



GE LAMPS CATALOG

LED & TRADITIONAL

2026

Current 

 GraybaR

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GE lamps provide unmatched
peace of mind.



We are:

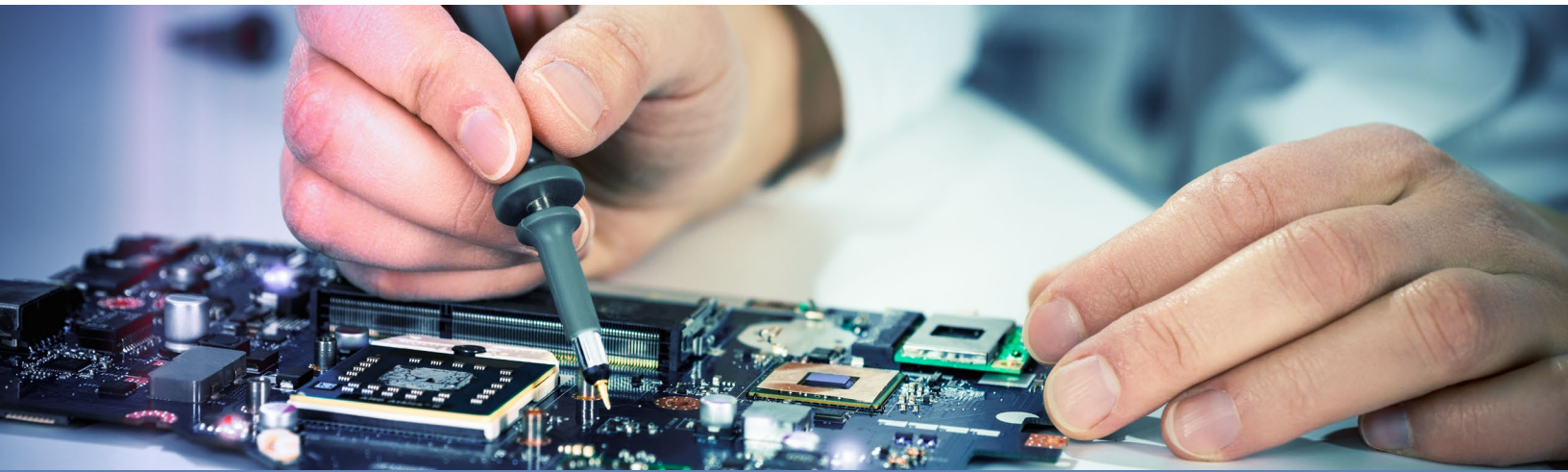
COMPLETE

Current's comprehensive offering of GE lamps includes high performance LED lighting solutions in addition to popular Traditional products. GE lamps cover a wide range of Linear Fluorescent, High Intensity Discharge, Compact Fluorescent, Halogen, Incandescent and Ballast applications.



INNOVATIVE

Current's exceptional engineering professionals use deep knowledge of Traditional lamp applications to create industry-leading LED lamps that provide the right amount of light while saving energy and lasting longer. Use them to transform the look and efficiency of your facilities.





DEPENDABLE

GE lamps have provided the exceptional light quality that you know and love for years. Current's engineers continue to develop reliable GE LED Lamps that fit Traditional applications and meet industry standards for equivalency claims.



TRUSTED

A reputation for quality and reliability is our legacy. Current continues the proud tradition today, creating GE LED Lamps that last up to 70,000 hours and delivering superior solutions for even the most challenging replacement lamp applications.



Selectable LED Lamps



LumenChoice®

Optimize light levels and power consumption instantly, maximizing energy savings immediately

Make lumen/wattage selections easily at any time with integrated switch, no tools required

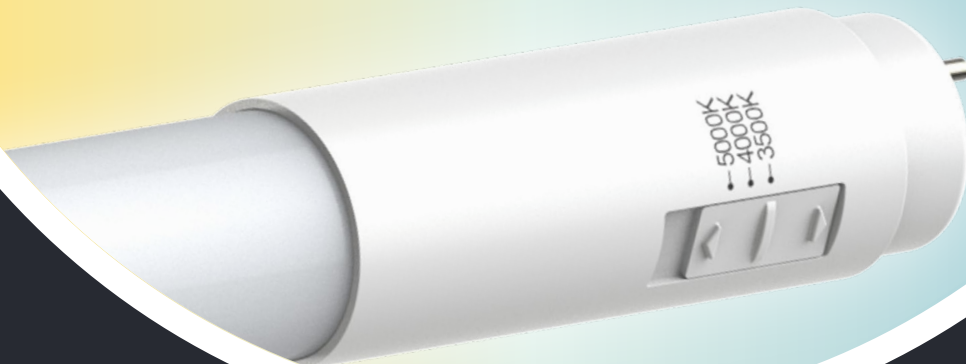
LumenChoice® + SpectraChoice™



SpectraChoice™

Match the color of lighting across a facility or choose to change the aesthetic of a space

Make color temperature selections easily at any time with integrated switch, no tools required



pg. **20**
LED Tubes



Reduce Inventory

Reduce SKU count and inventory dollars



Simplify Projects

Simplify BOMs, project management, MRO
Maintain utility rebates



Optimize Solutions

Create flexibility for
installers to react on-site

Take **control** of your lighting & inventory with our full line of Selectable **LED Lamps**



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LED HID



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LED Plug-In



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LED PAR Lamps



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LED RS Cans



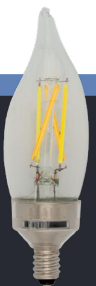
pg. **92**

LED Reflectors



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LED A-Line



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LED Deco



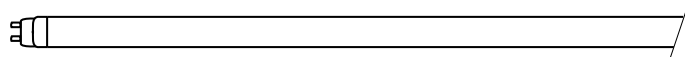
LED Lamps



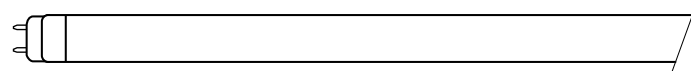
LED Lamps – Tubes



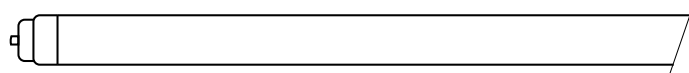
Lamp **Drawings** (not drawn to scale)



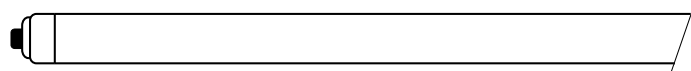
T5 (5/8" diameter) Miniature Bi-Pin Base (G5)



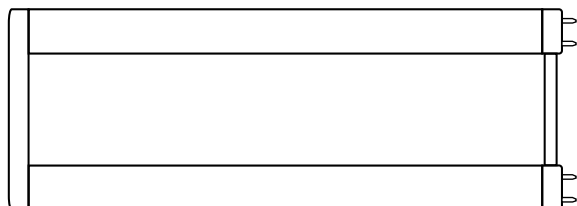
T8 (1" diameter) Medium Bi-Pin Base (G13)



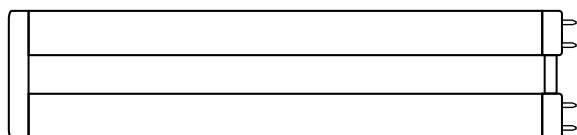
T8 (1" diameter) Single Pin Base (Fa8)



T8 (1" diameter) Recessed Double Contact Base (R17d)



T8 (1" diameter) U6 Medium Bi-Pin Base (2G13)

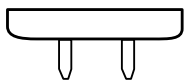


T8 (1" diameter) U1-5/8 Medium Bi-Pin Base (2G13)

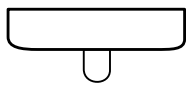
Base **Identification** (not drawn to scale)



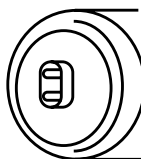
Min BiPin
G5



Med BiPin
G13



Single Pin
Fa8



Recessed Double
Contact
R17D



LED Lamps – Tubes

LED Tubes, sometimes referred to as "TLEDs," are meant to use linear fluorescent sockets and fixtures. LED Tubes have the same length and pins as the linear fluorescent lamps they are intended to replace. The details of how the fixture is wired and the auxiliary equipment used may vary, depending on the LED Tube solution.

The lighting industry refers to three basic Types of LED Tubes:

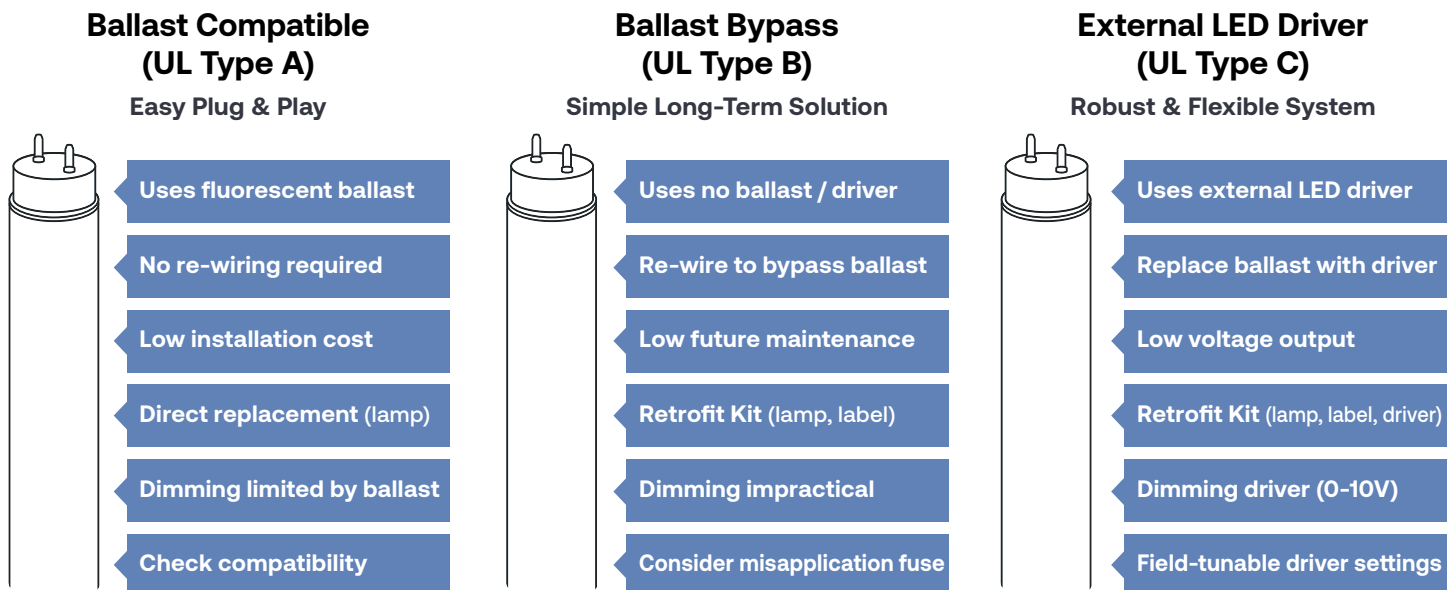
- **Type A LED Tubes** are intended to be used as direct replacements for linear fluorescent lamps, with no modification to the fixture. Type A LED Tubes operate from fluorescent ballasts.
- **Type B LED Tubes** operate from mains voltage. The ballast is bypassed and the fixture is re-wired according to the installation instructions that come with the lamp. Wiring may vary across Type B LED Tubes from different manufacturers. A retrofit fixture label indicating the LED Tube used and that the fixture has been re-wired is provided to be applied to the fixture.
- **Type C LED Tubes** operate from dedicated remote (external) LED drivers. Instead of a ballast, a remote driver is used to provide the proper voltage and current for the Type C LED Tubes. A retrofit fixture label indicating the LED Tube and Driver used is provided to be applied to the fixture. Type C LED Tube and Driver solutions vary across the industry – they are not yet standardized like linear fluorescent lamps and ballasts.

There are also "hybrid" lamps that can cover multiple Types of LED Tubes, depending on how they are implemented.

Current offers a wide range of GE LED Tubes to replace linear fluorescent lamps, including all of the Types above. Each Type of LED Tube offers different advantages, so the right solution may vary by application.

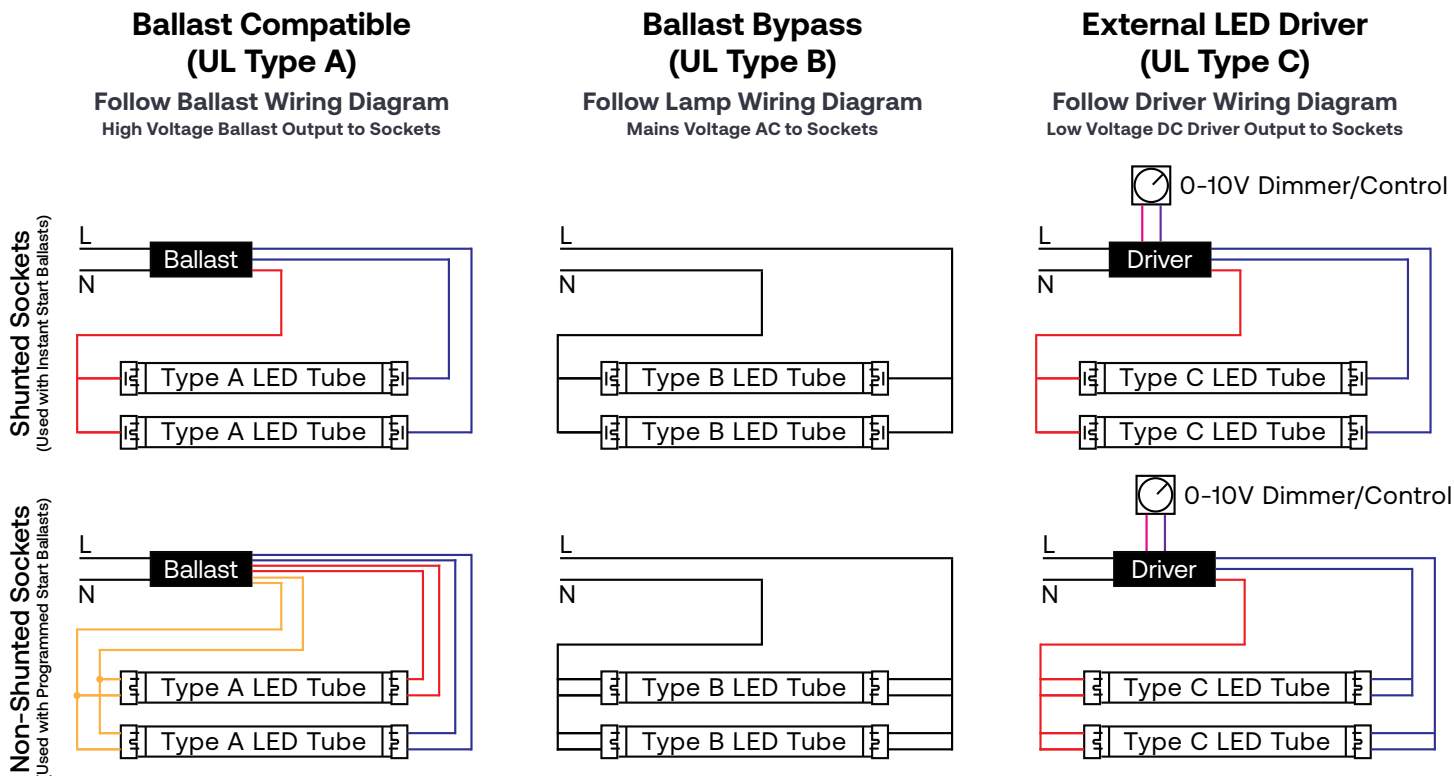
Which LED Tube is right for you?

A basic comparison of the Types of LED Tubes is provided below. For more detailed information, please contact your Current sales representative.



LED Tube Wiring Basics:

The wiring diagrams below are provided as general guidance for GE LED Tubes. Other manufacturers' may vary. Refer to installation guides provided with GE LED Tubes for more detailed directions. If sockets are in good condition, no socket replacement should be necessary for GE LED Tubes. Add a jumper to non-shunted sockets, or tie both wires from a non-shunted socket to the incoming power as shown.



LED Tube Construction, Coating, & covRguard®:

GE LED Tubes are primarily constructed of glass tubes with an internal coating for diffusion. This is similar to linear fluorescent construction that has been used for decades. Glass is a stable material and works well for most applications. The coating inside the glass provides good diffusion, spreading out the light and eliminating hot spots and pixilation from the individual LEDs.

GE LED Tubes are also offered with PET coating. This white coating is heat-shrunk onto a clear glass tube. Diffusion is supplied by the PET coating, which also provides some shatter resistance. These lamps are NSF Splash Zone rated.

GE LED Tubes are also available with covRguard®. Similar to covRguard® on linear fluorescent lamps, a polycarbonate sleeve is applied over the glass tube and affixed to the lamp end caps. This construction provides excellent shatter protection. These lamps are NSF Food Zone (Non-contact) rated.

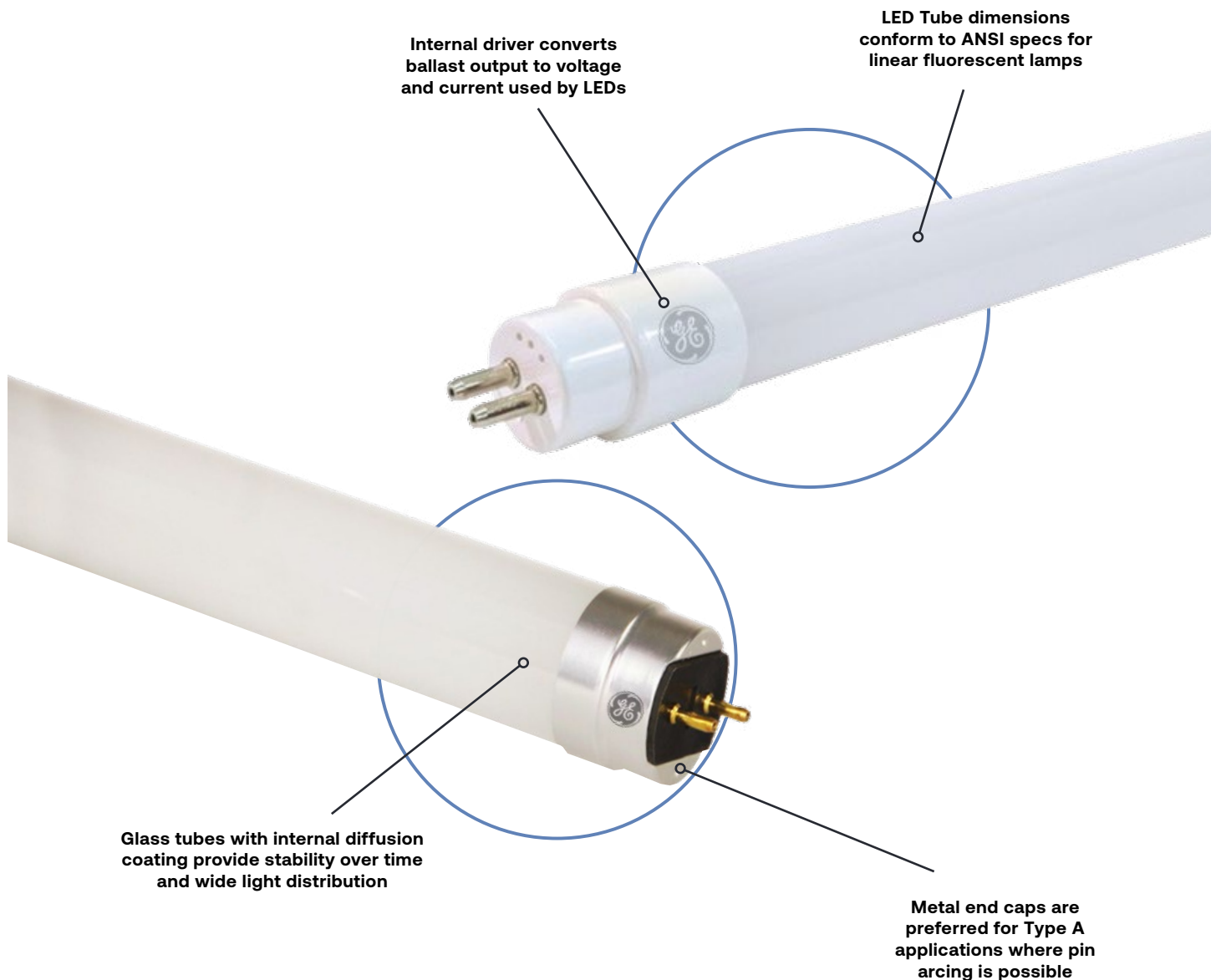


LED Lamps – Tubes – Type A



LED Tubes – Type A

GE Type A LED Tubes offer a fast and easy upgrade to LED. No modification to the fixture is necessary. Simply replace the linear fluorescent lamp with the Type A LED Tube. The ballast remains in the circuit, powering the lamps. Confirm ballast compatibility at www.LED.com/LEDTUBES-ballast-compatibility.



LED Lamps – Tubes – Type A



Catalog Logic:

Bulb Shape:

Bulb shape followed by its size (the maximum diameter of the bulb expressed in eighths of an inch).

Lamp Watts:

Typical Lamp Watts on Normal Ballast Factor (does not include ballast consumption)

Order Code:

Use the order code when ordering to ensure that you receive the exact product you require

Description:

Lamp Model Description

Carton Quantity:

Number of lamps packed in a carton

MOL (in):

Maximum Overall Length in inches

System Watts:

Total input watts, including ballast and lamp consumption typical of each Ballast Factor

Lumens (initial):

Typical lamp lumens when operating on each Ballast Factor

Rated Life L70:

Hours of operation the lamp will provide before reaching 70% of its original lumen output

Color Rendering Index (CRI or R):

An indication of the ability of the lamp to render object colors in a normal natural way. The higher the number (0-100), the better the color appearance.

Color Temperature (K):

A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value, the whiter or "cooler" the light appears.

DLC:

Indicates whether product is listed on the DesignLights Consortium® Qualified Products List

Location Rating:

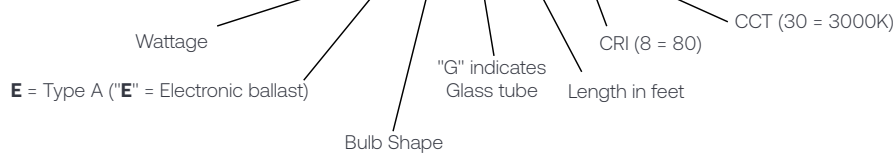
Location Rating as defined for LED Lamps by UL 1993

Additional Information:

Typical application and/or other important information.

							Low Ballast Factor		Normal Ballast Factor		High Ballast Factor							
Bulb Shape	Base Type	Lamp Watts ⁵	Order Code	Description	Carton Qty ²	MOL (in)	System Watts	Lumens (Initial)	System Watts	Lumens (Initial)	System Watts	Lumens (Initial)	Color Temp (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ⁴	Location Rating ³	Additional Information
Integrated 4ft Glass Tubes (operates on Instant Start or Program Start Ballast)																		
T8	G13	18	35767	LED18ET8/G/4/830	20	48	17	2100	20	2500	26	3250	3000K	80	70,000	Yes	Damp	Instant or PRS Ballast

LED18ET8/G/4/830



LED Lamps - Tubes - Type A



Integrated Glass Tubes - Type A

								Low Ballast Factor		Normal Ballast Factor		High Ballast Factor				Rated Life L70 (Hrs) ¹			
Bulb Shape	Base Type	Lamp Watts ⁵	Order Code	GBID	Description	Carton Qty ²	MOL (in)	System Watts	Lumens (Initial)	System Watts	Lumens (Initial)	System Watts	Lumens (Initial)	Color Temp (Initial)	CRI	DLC ³ ID ⁴	Location Rating ³	Additional Information	
Integrated 4ft Glass Tubes (operates on Instant Start or Program Start Ballast)																			
T8	G13	18	35767	25821243	LED18ET8/G/4/830	20	48	17	2100	20	2500	26	3250	3000K	80	70,000	PXTA9H72	Damp	Instant or PRS Ballast
	G13	18	35768	25807387	LED18ET8/G/4/835	20	48	17	2100	20	2500	26	3250	3500K	80	70,000	P3FTDF97	Damp	
	G13	18	35769	25806263	LED18ET8/G/4/840	20	48	17	2150	20	2600	26	3400	4000K	80	70,000	P9HHNHU8	Damp	
	G13	18	35772	25807388	LED18ET8/G/4/850	20	48	17	2150	20	2600	26	3400	5000K	80	70,000	PMHB5Y1H	Damp	
	G13	18	35773	25821244	LED18ET8/G/4/865	20	48	17	2150	20	2600	26	3400	6500K	80	70,000	-	Damp	
	G13	15	35790	25821241	LED15ET8/G/4/830	20	48	15	1850	17	2150	23	2900	3000K	80	70,000	PNH7QX7P	Damp	
	G13	15	35791	25807385	LED15ET8/G/4/835	20	48	15	1850	17	2200	23	2950	3500K	80	70,000	PC3FZA9X	Damp	
	G13	15	35793	25793940	LED15ET8/G/4/840	20	48	15	1950	17	2300	23	3100	4000K	80	70,000	PXTTMMVUC	Damp	
	G13	15	35797	25807386	LED15ET8/G/4/850	20	48	15	1950	17	2300	23	3100	5000K	80	70,000	PDHK69J3	Damp	
	G13	15	35798	25821242	LED15ET8/G/4/865	20	48	15	1950	17	2300	23	3100	6500K	80	70,000	-	Damp	
	G13	10	34277	26189416	LED10ET8/G/4/830	20	48	11.5	1350	13	1600	17.5	2100	3000K	80	70,000	-	Damp	
	G13	10	34279	26189417	LED10ET8/G/4/835	20	48	11.5	1400	13	1600	17.5	2150	3500K	80	70,000	PRHGNZNI	Damp	
	G13	10	34280	26189418	LED10ET8/G/4/840	20	48	11.5	1450	13	1700	17.5	2300	4000K	80	70,000	P7YZ0A29	Damp	
G13	10	34282	26189419	LED10ET8/G/4/850	20	48	11.5	1450	13	1700	17.5	2300	5000K	80	70,000	PSVXE1E0	Damp		
Integrated 4ft Value Glass Tubes (operates on Instant Start or Program Start Ballast)																			
T8	G13	14	34283	26051299	LED14ET8/G/4/830	20	48	15	1700	17	2050	23	2700	3000K	80	50,000	P8P45K7K	Damp	Instant or PRS Ballast
	G13	14	34289	26051300	LED14ET8/G/4/835	20	48	15	1700	17	2050	23	2700	3500K	80	50,000	PKO4WU91	Damp	
	G13	14	34291	26040692	LED14ET8/G/4/840	20	48	15	1750	17	2100	23	2750	4000K	80	50,000	PLVH468G	Damp	
	G13	14	34300	26046047	LED14ET8/G/4/850	20	48	15	1750	17	2100	23	2750	5000K	80	50,000	P1XY7L6	Damp	
	G13	11	93107390	26387537	LED11ET8/G/4/830	20	48	12.5	1450	14	1700	19	2300	3000K	80	50,000	-	Damp	
	G13	11	93107391	26382829	LED11ET8/G/4/835	20	48	12.5	1450	14	1700	19	2300	3500K	80	50,000	PTB81YWO	Damp	
	G13	11	93107392	26381287	LED11ET8/G/4/840	20	48	12.5	1450	14	1700	19	2300	4000K	80	50,000	PTIWPW1J	Damp	
	G13	11	93107393	26382830	LED11ET8/G/4/850	20	48	12.5	1450	14	1700	19	2300	5000K	80	50,000	PZ9A65MO	Damp	
Integrated 3ft Glass Tubes (operates on Instant Start or Program Start Ballast)																			
T8	G13	10.5	35783	25821240	LED11ET8/G/3/830	20	36	11.5	1350	13	1600	18	2150	3000K	80	70,000	PCEIN3O5	Damp	Instant or PRS Ballast
	G13	10.5	35784	25807389	LED11ET8/G/3/835	20	36	11.5	1350	13	1600	18	2150	3500K	80	70,000	PL2XF8BQ	Damp	
	G13	10.5	35788	25807390	LED11ET8/G/3/840	20	36	11.5	1350	13	1600	18	2150	4000K	80	70,000	PFERF8MX	Damp	
	G13	10.5	35789	25807391	LED11ET8/G/3/850	20	36	11.5	1400	13	1650	18	2250	5000K	80	70,000	PQKLC9P9K	Damp	
Integrated 2ft Glass Tubes (operates on Instant Start or Program Start Ballast)																			
T8	G13	8.5	35775	25821245	LED8ET8/G/2/830	20	24	9.5	1200	11	1350	15	1850	3000K	80	70,000	-	Damp	Instant or PRS Ballast
	G13	8.5	35776	25807382	LED8ET8/G/2/835	20	24	9.5	1200	11	1350	15	1850	3500K	80	70,000	PJDHZYEE	Damp	
	G13	8.5	35778	25807383	LED8ET8/G/2/840	20	24	9.5	1200	11	1350	15	1850	4000K	80	70,000	P557S4DE	Damp	
	G13	8.5	35779	25807384	LED8ET8/G/2/850	20	24	9.5	1200	11	1400	15	1950	5000K	80	70,000	PU5UYRCN	Damp	

Metric Integrated Glass Tubes - Type A

Bulb Shape	Base Type	Lamp Watts ⁵	Order Code	GBID	Description	Carton Qty ²	MOL (in)	Low Ballast Factor		Normal Ballast Factor		High Ballast Factor		Color Temp (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ³ ID ⁴	Location Rating ³	Additional Information
								System Watts	Lumens (Initial)	System Watts	Lumens (Initial)	System Watts	Lumens (Initial)						
								Metric Integrated Glass Tubes (operates on Instant Start or Program Start Ballast)											
T8	G13	14	93312131		LED14ET8/G/835/METRIC	20	45.67	15	1700	17	2050	23	2700	3500K	80	50,000	-	Damp	Instant or PRS Ballast
	G13	14	93312133		LED14ET8/G/840/METRIC	20	45.67	15	1750	17	2100	23	2750	4000K	80	50,000	-	Damp	

Integrated Plastic Tubes - Type A

								Low Ballast Factor		Normal Ballast Factor		High Ballast Factor				Color		Rated Life			
Bulb Shape	Base Type	Lamp Watts ⁵	Order Code	GBID	Description	Carton Qty ²	MOL (in)	System Watts	Lumens (Initial)	System Watts	Lumens (Initial)	System Watts	Lumens (Initial)	Temp (Initial)	CRI	L70 (Hrs) ¹	DLC ³ ID ⁴	Location Rating ³	Additional Information		
Integrated U6 Plastic Tubes (operates on Instant Start or Program Start Ballast)																					
T8-U6	2G13	13	43120	25842518	LED13ET8/U6/830	12	22.5	13	1500	15	1800	20.5	2400	3000K	80	50,000	P4CDITRI	Damp	Instant or PRS Ballast		
	2G13	13	43125	25842519	LED13ET8/U6/835	12	22.5	13	1550	15	1850	20.5	2450	3500K	80	50,000	PFX71YXR	Damp			
	2G13	13	43129	25842520	LED13ET8/U6/840	12	22.5	13	1600	15	1900	20.5	2500	4000K	80	50,000	PTEXOPXE	Damp			
	2G13	13	43130	25842521	LED13ET8/U6/850	12	22.5	13	1600	15	1900	20.5	2500	5000K	80	50,000	PSF41B80	Damp			

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

⁵ Bare lamp wattage operated on Normal Ballast Factor. Measured performance on Low (0.78), Normal (0.88) and High (1.18) Ballast Factors is provided for reference. Performance may vary depending on ballast model and age.

Check ballast compatibility at www.LED.com/LEDTUBES-ballast-compatibility.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – Tubes – Type A



Integrated covRguard® Plastic Sleeved Glass Tubes – Type A

										Low Ballast Factor		Normal Ballast Factor		High Ballast Factor		Color Temp (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ² ID ⁴	Location Rating ³	Additional Information
Bulb Shape	Base Type	Lamp Watts ⁵	Order Code	GBID	Description	Carton Qty ²	MOL (in)	System Watts	Lumens (Initial)	System Watts	Lumens (Initial)	System Watts	Lumens (Initial)								
Integrated 4ft covRguard® Plastic Sleeved Glass Tubes (operates on Instant Start or Program Start Ballast)																					
T8	G13	18	93135924	26504619	LED18ET8/G/4/830CVG	20	48	17	2050	20	2450	26	3200	3000K	80	70,000	PWZVF5VO	Damp			
	G13	18	93135946	26504595	LED18ET8/G/4/835CVG	20	48	17	2100	20	2500	26	3250	3500K	80	70,000	PF5EUKL2	Damp			
	G13	18	93135947	26504596	LED18ET8/G/4/840CVG	20	48	17	2100	20	2500	26	3250	4000K	80	70,000	PSKVG35W	Damp			
	G13	18	93135948	26504597	LED18ET8/G/4/850CVG	20	48	17	2150	20	2600	26	3400	5000K	80	70,000	P65JROO4	Damp			
	G13	15	93135823	26504616	LED15ET8/G/4/835CVG	20	48	15	1850	17	2200	23	2950	3500K	80	70,000	PYIS7JSD	Damp	NSF Food		
	G13	15	93135824	26504617	LED15ET8/G/4/840CVG	20	48	15	1850	17	2200	23	2950	4000K	80	70,000	PPXC7238	Damp	Zone		
	G13	15	93135846	26504618	LED15ET8/G/4/850CVG	20	48	15	1900	17	2250	23	3000	5000K	80	70,000	PU8LNXAM	Damp			
	G13	10	93135714	26504612	LED10ET8/G/4/835CVG	20	48	11.5	1400	13	1600	17.5	2150	3500K	80	70,000	PUCLMBOV	Damp			
	G13	10	93135715	26504613	LED10ET8/G/4/840CVG	20	48	11.5	1400	13	1600	17.5	2150	4000K	80	70,000	PUW18WQG	Damp			
T8	G13	10.5	93135659	26504608	LED11ET8/G/3/835CVG	20	36	11.5	1350	13	1600	18	2150	3500K	80	70,000	PSBVQAZE	Damp	NSF Food		
	G13	10.5	93135660	26504609	LED11ET8/G/3/840CVG	20	36	11.5	1350	13	1600	18	2150	4000K	80	70,000	P5QTVCPX	Damp	Zone		
	G13	10.5	93135661	26504610	LED11ET8/G/3/850CVG	20	36	11.5	1400	13	1650	18	2250	5000K	80	70,000	PI78M875	Damp			
Integrated 2ft covRguard® Plastic Sleeved Glass Tubes (operates on Instant Start or Program Start Ballast)																					
T8	G13	8.5	93135655	26504604	LED8ET8/G/2/835CVG	20	24	9.5	1200	11	1350	15	1850	3500K	80	70,000	PVDR8UFU	Damp	NSF Food		
	G13	8.5	93135656	26504605	LED8ET8/G/2/840CVG	20	24	9.5	1200	11	1350	15	1850	4000K	80	70,000	PDP040JM	Damp	Zone		
	G13	8.5	93135657	26504606	LED8ET8/G/2/850CVG	20	24	9.5	1200	11	1350	15	1850	5000K	80	70,000	P0Y2CIVW	Damp			

Integrated PET Plastic Coated Glass Tubes – Type A

								Low Ballast Factor		Normal Ballast Factor		High Ballast Factor		Color Temp (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ² ID ⁴	Location Rating ³	Additional Information
Bulb Shape	Base Type	Lamp Watts ⁵	Order Code	GBID	Description	Carton Qty ²	MOL (in)	System Watts	Lumens (Initial)	System Watts	Lumens (Initial)	System Watts	Lumens (Initial)						
Integrated 4ft PET Plastic Coated Glass Tubes (operates on Instant Start or Program Start Ballast)																			
T8	G13	14	93107394	26388148	LED14ET8/G4/830CT	20	48	15	1700	17	2050	23	2700	3000K	80	50,000	-	Damp	
	G13	14	93107506	26388149	LED14ET8/G4/835CT	20	48	15	1700	17	2050	23	2700	3500K	80	50,000	PG06MMSK	Damp	NSF Splash
	G13	14	93107507	26388150	LED14ET8/G4/840CT	20	48	15	1750	17	2100	23	2750	4000K	80	50,000	PI2340JJ	Damp	Zone
	G13	14	93107510	26388151	LED14ET8/G4/850CT	20	48	15	1750	17	2100	23	2750	5000K	80	50,000	PI6AUR4D	Damp	

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

⁵ Bare lamp wattage operated on Normal Ballast Factor. Measured performance on Low (0.78), Normal (0.88) and High (1.18) Ballast Factors is provided for reference. Performance may vary depending on ballast model and age.

Check ballast compatibility at www.LED.com/LEDTUBES-ballast-compatibility.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – Tubes – Type A



Integrated Glass Tubes – Type A – T5

Bulb Shape	Base Type	Lamp Watts ⁵	Order Code	GBID	Description	Carton Qty ²	MOL (in)	System Watts (BF=1.0)	Lumens (Initial)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ³ ID ⁴	Location Rating ³	Additional Information
Integrated 4ft T5 HO Glass Tubes (operates on T5 Ballast)															
T5	G5	25.5	19203	25979673	LED26ET5/G/4/830	20	46	32	3650	3000K	80	50,000	PWNBNEB9	Damp	Requires T5 HO Ballast
	G5	25.5	19221	25962947	LED26ET5/G/4/835	20	46	32	3750	3500K	80	50,000	POB2VN8V	Damp	
	G5	25.5	19227	25959062	LED26ET5/G/4/840	20	46	32	3800	4000K	80	50,000	PUS7DGWC	Damp	
	G5	25.5	19348	25962948	LED26ET5/G/4/850	20	46	32	3900	5000K	80	50,000	P99UF0I0	Damp	
	G5	25.5	19488	25979674	LED26ET5/G/4/865	20	46	32	3800	6500K	80	50,000	-	Damp	
Integrated 2ft T5 HO Glass Tubes (operates on T5 Ballast)															
T5	G5	11	34413	26174809	LED11ET5/G/2/830	20	22	13.5	1500	3000K	80	50,000	-	Damp	Requires T5 HO Ballast
	G5	11	34417	26174810	LED11ET5/G/2/835	20	22	13.5	1550	3500K	80	50,000	-	Damp	
	G5	11	34418	26174811	LED11ET5/G/2/840	20	22	13.5	1600	4000K	80	50,000	-	Damp	
	G5	11	34424	26174812	LED11ET5/G/2/850	20	22	13.5	1600	5000K	80	50,000	-	Damp	
Integrated 4ft T5 HE Glass Tubes (operates on T5 Ballast)															
T5	G5	13	34351	26072893	LED13ET5G4/830HE	20	46	16	1900	3000K	80	50,000	P3D2AHME	Damp	Requires T5 HE Ballast
	G5	13	34354	26053463	LED13ET5G4/835HE	20	46	16	1950	3500K	80	50,000	P9QL3V95	Damp	
	G5	13	34355	26048510	LED13ET5G4/840HE	20	46	16	2000	4000K	80	50,000	PIN820KS	Damp	
	G5	13	34367	26137971	LED13ET5G4/850HE	20	46	16	2000	5000K	80	50,000	PXRH4DM6	Damp	
Integrated 3ft T5 HE Glass Tubes (operates on T5 Ballast)															
T5	G5	10	34371	26174813	LED10ET5G3/830HE	20	34	13	1500	3000K	80	50,000	-	Damp	Requires T5 HE Ballast
	G5	10	34376	26076201	LED10ET5G3/835HE	20	34	13	1550	3500K	80	50,000	-	Damp	
	G5	10	34401	26042420	LED10ET5G3/840HE	20	34	13	1600	4000K	80	50,000	-	Damp	
	G5	10	34402	26137970	LED10ET5G3/850HE	20	34	13	1600	5000K	80	50,000	-	Damp	
Integrated 2ft T5 HE Glass Tubes (operates on T5 Ballast)															
T5	G5	7	34403	26072894	LED7ET5/G2/830HE	20	22	10	1000	3000K	80	50,000	-	Damp	Requires T5 HE Ballast
	G5	7	34404	26097943	LED7ET5/G2/835HE	20	22	10	1100	3500K	80	50,000	-	Damp	
	G5	7	34411	26174814	LED7ET5/G2/840HE	20	22	10	1150	4000K	80	50,000	-	Damp	
	G5	7	34412	26174815	LED7ET5/G2/850HE	20	22	10	1150	5000K	80	50,000	-	Damp	

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

⁵ Bare lamp wattage operated on T5 Ballasts. Measured performance on T5 ballasts (Ballast Factor = 1.0) is provided for reference. Performance may vary depending on ballast model and age.

Check ballast compatibility at www.LED.com/LEDTUBES-ballast-compatibility.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – Tubes – Type A+B



Dual Mode PET Plastic Coated Glass Tubes – Type A+B

GE Type A+B Tubes offer the flexibility to be used in either Type A (ballast driven) or Type B (ballast bypass) applications. The notes about each separate Type apply. Type A+B Tubes might be installed as Type A and then when the ballast fails or if it is found to be incompatible, switched to Type B. To use Type A+B lamps as Type B, the same re-wiring process must be done as for Type B lamps.

Selectable LumenChoice® + SpectraChoice™ Dual Mode PET Plastic Coated Glass Tubes – Type A+B

							TYPE A MODE					TYPE B MODE									
							Low Ballast Factor		Normal Ballast Factor								Rated Life L70 (Hrs) ¹				
Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	System Watts	Lumens (Initial)	System Watts ³	Lumens (Initial)	Temp. (Initial)*	Input Voltage	Selectable Watts*	Lumens (Initial)	Temp. (Initial)*	Power Factor	CRI	L70 (Hrs) ¹	DLC ^{® 4}	Location Rating ³	
Dual Mode 4ft Glass Tubes (Type A+B)																					
T8	G13	93325374	-	LEDLCABT8/G4/8SC	25	48	15.5	2150	20.5	2700	3000K	120-277	12	1800	3000K	>0.9	80	50,000	-	Damp	
								2200		2750	3500K				1900						3500K
															1900						4000K*
															1900						5000K
															1800						6500K
								2200		2750	5000K				2100						3000K
															2200						3500K
															2200						4000K*
															2200						5000K
															2100						6500K
2500	3000K																				
2200	2750	5000K	2600	3500K																	
			2600	4000K*																	
			2600	5000K																	
			2500	6500K																	

Selectable SpectraChoice™ Dual Mode PET Plastic Coated Glass Tubes – Type A+B

							TYPE A MODE				TYPE B MODE									
							Low Ballast Factor		Normal Ballast Factor		Selectable Color Temp.									
Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	System Watts	Lumens (Initial)	System Watts ⁵	Lumens (Initial)	Temp. (Initial)*	Input Voltage	Watts	Lumens (Initial)	Temp. (Initial)*	Power Factor	CRI	Rated Life L70 (Hrs) ¹	DLC ^{® 4}	Location Rating ³
Dual Mode 4ft Glass Tubes (Type A+B)																				
T8	G13	93319135	26729822	LED14ABT8/G4/8SC	25	48	15.5	1850	18.5	2200	3000K	120-277	14.5	2000	3000K	>0.9	80	50,000	S-L5ZXZP	Damp
								1900		2250	3500K			2050	3500K					
								1900		2250	4000K*			2050	4000K*					
								1850		2200	5000K			2000	5000K					
Dual Mode 3ft Glass Tubes (Type A+B)																				
T8	G13	93320992	27022088	LED12ABT8/G3/8SC	25	36	10	1100	11.5	1350	3000K	120-277	12	1650	3000K	>0.9	80	50,000	-	Damp
								1150		1400	3500K			1650	3500K					
								1200		1450	4000K*			1700	4000K*					
								1200		1450	5000K			1700	5000K					
Dual Mode 2ft Glass Tubes (Type A+B)																				
T8	G13	93320998	27022089	LED8ABT8/G2/8SC	25	24	9.5	1050	11	1300	3000K	120-277	8	1100	3000K	>0.9	80	50,000	-	Damp
								1100		1300	3500K			1100	3500K					
								1150		1350	4000K*			1150	4000K*					
								1150		1350	5000K			1150	5000K					

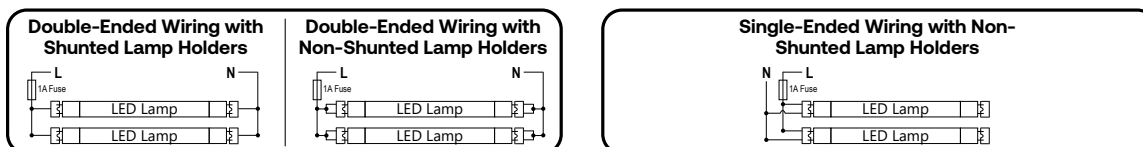
Selectable SpectraChoice™ Dual Mode PET Plastic Coated Glass Tubes – Dimmer Compatibility

Lamps are dimmable on 120V on the reverse phase dimmers to the right.

Brand	Model Number
Compatible Reverse Phase Dimmer List	
LUTRON	DVELV-300P-**
LUTRON	DVELV-303P-**
LUTRON	MAELV-600-**

If lamp holders are shunted, follow instructions for double-ended wiring.

If lamp holders are not shunted, single-ended or double-ended wiring may be used.



¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

⁵ Bare lamp wattage operated on Normal Ballast Factor. Measured performance on Low (0.78), Normal (0.88) and High (1.18) Ballast Factors is provided for reference. Performance may vary depending on ballast model and age.

Check ballast compatibility at www.LED.com/LEDTUBES-ballast-compatibility.

* Default wattage and color temperature settings noted by “**” in tables above.

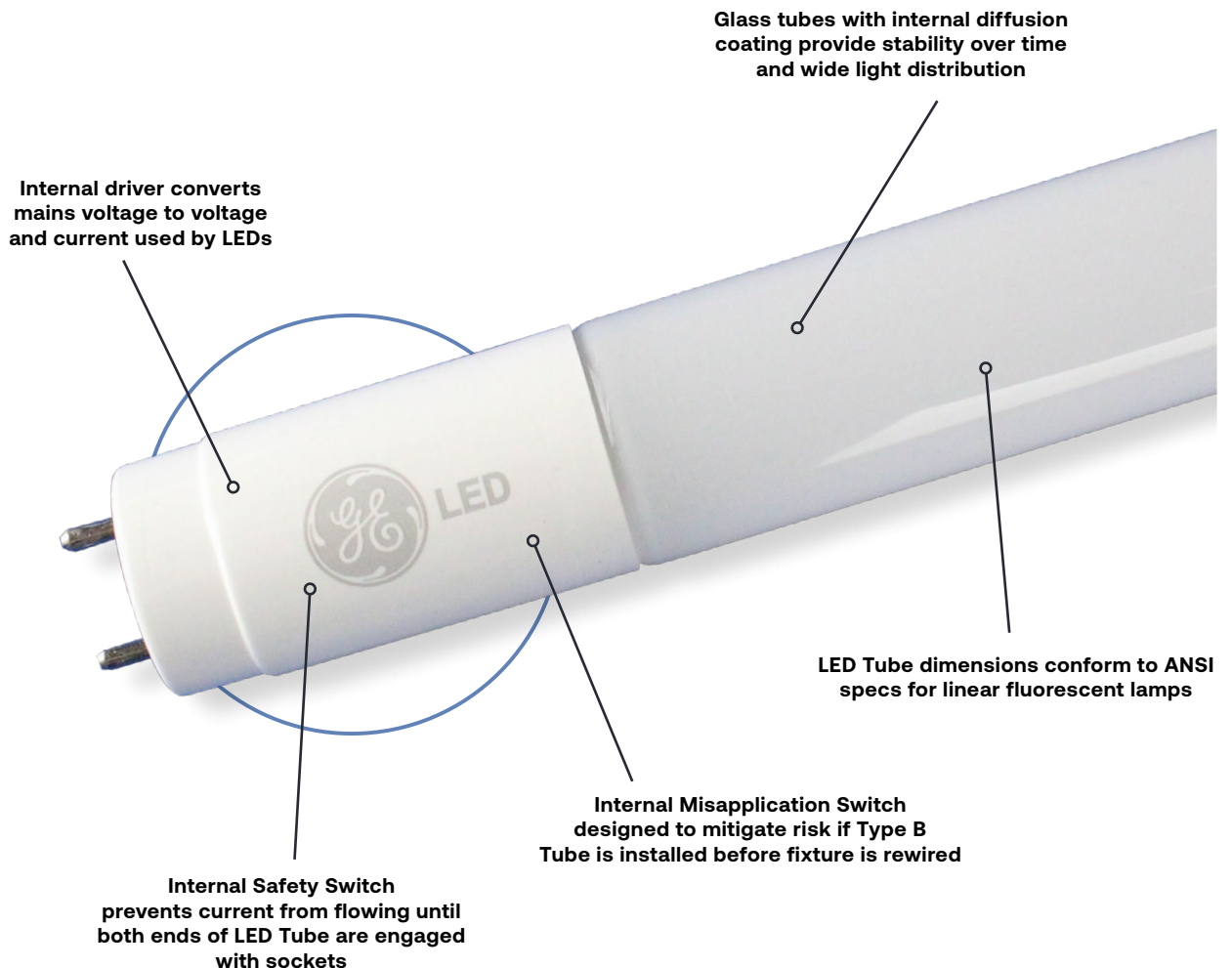
Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - Tubes - Type B



LED Tubes - Type B

GE Type B LED Tubes offer a simple long-term solution for linear applications. The fixture is re-wired to bypass the ballast, taking mains voltage directly to the lampholders. This eliminates the ballast as a potential failure point, eliminates the ballast energy consumption and reduces future maintenance. GE Type B LED Tubes have multiple safety features designed into the lamp. Current also offers an external misapplication fuse kit for added protection and peace of mind.



LED Lamps – Tubes – Type B



Catalog Logic:

Bulb Shape:

Bulb shape followed by its size (the maximum diameter of the bulb expressed in eighths of an inch)

Watts:

Energy Used (as defined by FTC Lamp Label Rules)

Description:

Lamp Model Description

MOL (in):

Maximum Overall Length in inches

Lumens:

Light output (as defined by FTC Lamp Label Rules)

Color Temperature (K):

A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value, the whiter or "cooler" the light appears.

Color Rendering Index (CRI or R):

An indication of the ability of the lamp to render object colors in a normal, natural way. The higher the number (0-100), the better the color appearance.

Rated Life L70:

Hours of operation the lamp will provide before reaching 70% of its original lumen output

Power Factor:

A measure of the phase difference between voltage and current drawn by an electrical device

DLC:

Indicates whether product is listed on the DesignLights Consortium® Qualified Products List

Location Rating:

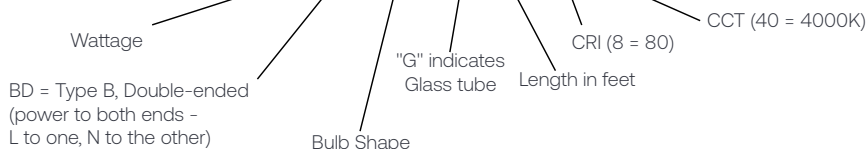
Location Rating as defined for LED Lamps by UL 1993

Additional Information:

Typical application and/or other important information

Bulb Shape	Base Type	Watts	Order Code	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ⁰⁴	Location Rating ³	Additional Information
Ballast Bypass - 4ft Glass Tubes															
T8	G13	14	39498	LED14BDT8/G4/840	120-277	20	48	1800	4000K	80	50,000	>0.9	Yes	Damp	

LED14BDT8/G4/840



LED Lamps - Tubes - Type B



Current offers unmatched flexibility in a single **Type B LED Tube**.
Select wattage and color temperature at the flick of a switch.

LumenChoice® + SpectraChoice™ Selectable LED Tubes maximize the potential to reduce inventory and streamline product lists. These lamps allow installers to react to a wide variety of needs, providing the ability to adjust both the color temperature of the light and the brightness.

But what about when it's known a site prefers 4000K? LumenChoice® Selectable LED Tubes can be used to optimize the light levels throughout a facility with just one SKU. Reducing the wattage can save more energy and improve the comfortability of overlit spaces.



LumenChoice®

Optimize light levels and power consumption instantly, maximizing energy savings immediately

Make lumen/wattage selections easily at any time with integrated switch, no tools required

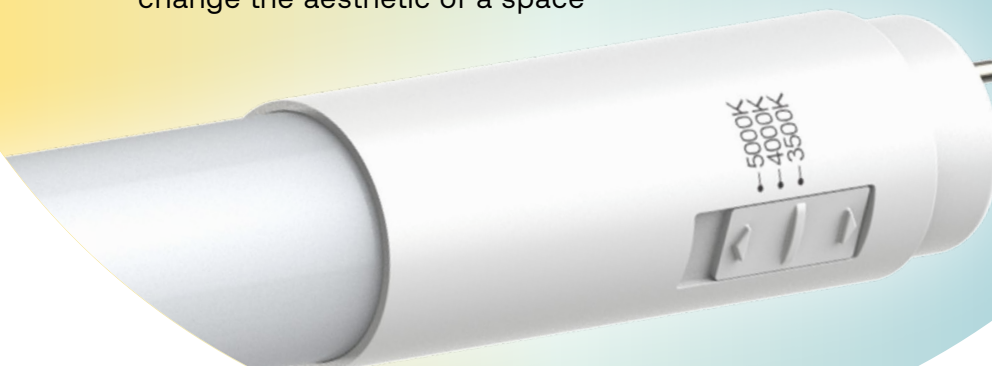
LumenChoice® + SpectraChoice™



SpectraChoice™

Match the color of lighting across a facility or choose to change the aesthetic of a space

Make color temperature selections easily at any time with integrated switch, no tools required



LED Lamps – Tubes – Type B



Ballast Bypass Selectable LumenChoice® + SpectraChoice™ Glass Tubes - Double Ended - Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp. (Initial)*	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ³ ID ⁴	Location Rating ³	Additional Information
Ballast Bypass (Type B) - 4ft Glass Tubes																
T8	G13	93301824	26613068	LEDLCBDT8/G4/8SC	120-277	20	48	8 12* 16	1100 1600* 2000	3500K 4000K* 5000K	80	70,000	>0.9	S-3Q0BDP	Damp	
	G13	93313525	26696804	LEDLCBDT8/G4/8SCXL/120-347	120-347	20	48	10 13* 16	1650 2050* 2550	3000K 3500K 4000K* 5000K	80	70,000	>0.9	S-3PNRN2	Damp	
Ballast Bypass (Type B) - 3ft Glass Tubes																
T8	G13	93313565	26726609	LEDLCBDT8/G3/8SC/120-347	120-347	20	36	10 12* 14	1400 1650* 1800	3000K 3500K 4000K* 5000K	80	70,000	>0.9	S-6N1DV1	Damp	
Ballast Bypass (Type B) - 2ft Glass Tubes																
T8	G13	93313567	26702339	LEDLCBDT8/G2/8SC/120-347	120-347	20	24	7 9* 11	950 1150* 1350	3000K 3500K 4000K* 5000K	80	70,000	>0.9	S-HXPL6T	Damp	

Ballast Bypass Selectable LumenChoice® Glass Tubes - Double Ended - Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp. (Initial)*	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ³ ID ⁴	Location Rating ³	Additional Information
Ballast Bypass (Type B) - 4ft Glass Tubes																
T8	G13	93301783	26613069	LEDLCBDT8/G4/840	120-277	20	48	8 12* 16	1100 1600* 2000	4000K	80	70,000	>0.9	S-Z2H9M3	Damp	

Ballast Bypass Selectable SpectraChoice™ Glass Tubes - Double Ended - Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Watts	Lumens (Initial)*	Selectable Color Temp. (Initial)*	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ³ ID ⁴	Location Rating ³	Additional Information
Ballast Bypass (Type B) - 8ft Glass Tubes																
T8	Fa8	93319020	26726610	LED42BDT8/G8/Fa8/8SC/120-347	120-347	10	96	42	5460 5600 5600* 5460	3500K 4000K 5000K* 6500K	80	50,000	>0.9	S-FVL70T	Damp	
Ballast Bypass (Type B) - 4ft Glass Tubes																
T8	G13	93313519	26696805	LED16BDT8/G4/8SCXL/120-347	120-347	20	48	16	2550	3000K 3500K 4000K* 5000K	80	70,000	>0.9	S-Y9PPM3	Damp	
	G13	93313501	26696806	LED13BDT8/G4/8SCXL/120-347	120-347	20	48	13	2050	3000K 3500K 4000K* 5000K	80	70,000	>0.9	S-77F6BV	Damp	
	G13	93313483	26696807	LED10BDT8/G4/8SCXL/120-347	120-347	20	48	10	1650	3000K 3500K 4000K* 5000K	80	70,000	>0.9	S-MY0H3W	Damp	
	G13	93315883	26722205	LED14BDT8/G4/8SC	120-277	20	48	14	1850	3000K 3500K 4000K* 5000K	80	50,000	>0.9	S-C04HBD	Damp	
Ballast Bypass (Type B) - 18 in Glass Tubes																
T8	G13	93319892	-	LED7BDT8/G18/8SC/120-347	120-347	20	18	7	900 1000 1000 950	3000K 3500K 4000K* 5000K	80	70,000	>0.9	-	Damp	

For Selectable R17d Signage and Standard Glass Tubes, refer to page 34

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity from Current = Case Qty

³ UL 1993 Environmental Requirements for LED LAMPS

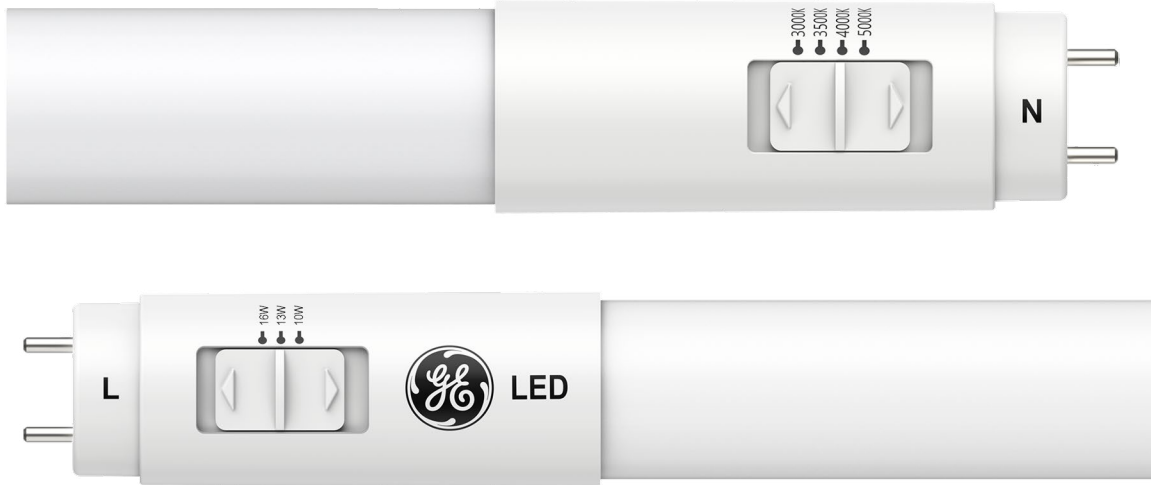
Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

* Default wattage and color temperature settings noted by "*" in tables above.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – Tubes – Type B



Metric Ballast Bypass Selectable LumenChoice® + SpectraChoice™ Glass Tubes - Double Ended - Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp. (Initial)*	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ID ⁴	Location Rating ³	Additional Information
Ballast Bypass (Type B) - 46" Metric Glass Tubes																
T8	G13	93319902	-	LEDLCBDT8/G/8SC/METRIC	120-347	20	46	10	1,500	3000K	80	70,000	>0.9	-	Damp	
									1,550	3500K						
									1,600	4000K						
									1,600	5000K						
									1,800	3000K						
									1,900	3500K						
								13*	2,000*	4000K*						
									2,000	5000K						
									2,350	3000K						
									2,450	3500K						
								16	2,500	4000K						
									2,500	5000K						

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity from Current = Case Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

* Default wattage and color temperature settings noted by "*" in tables above.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - Tubes - Type B



Ballast Bypass Selectable LumenChoice® + SpectraChoice™ T5 Glass Tubes - Double Ended - Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp. (Initial)*	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC* ID ⁴	Location Rating ³	Additional Information
Ballast Bypass (Type B) - 4ft Glass Tubes																
T5	G5	93319129	27010161	LEDLCBDT5/G4/8SC/120-347	120-347	20	46	14	2,000	3000K	80	50,000	>0.9	S-YF01DJ	Damp	
									2,100	3500K						
									2,200	4000K						
									2,100	5000K						
									2,700	3000K						
									2,800	3500K						
									2,900	4000K						
									2,800	5000K						
									3,200	3000K						
									3,400	3500K						
									3,500*	4000K*						
									3,400	5000K						
Ballast Bypass (Type B) - 3ft Glass Tubes																
T5	G5	93319131	-	LEDLCBDT5/G3/8SC/120-347	120-347	20	34	11.5	1,600	3000K	80	50,000	>0.9	-	Damp	
									1,650	3500K						
									1,700	4000K						
									1,700	5000K						
									2,000	3000K						
									2,050	3500K						
									2,100	4000K						
									2,100	5000K						
									2,400	3000K						
									2,450	3500K						
									2,500*	4000K*						
									2,500	5000K						
Ballast Bypass (Type B) - 2ft Glass Tubes																
T5	G5	93319133	27015823	LEDLCBDT5/G2/8SC/120-347	120-347	20	22	7	950	3000K	80	50,000	>0.9	-	Damp	
									1,000	3500K						
									1,050	4000K						
									1,050	5000K						
									1,250	3000K						
									1,300	3500K						
									1,350	4000K						
									1,350	5000K						
									1,500	3000K						
									1,550	3500K						
									1,600*	4000K*						
									1,600	5000K						

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity from Current = Case Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

* Default wattage and color temperature settings noted by "*" in tables above.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - Tubes - Type B

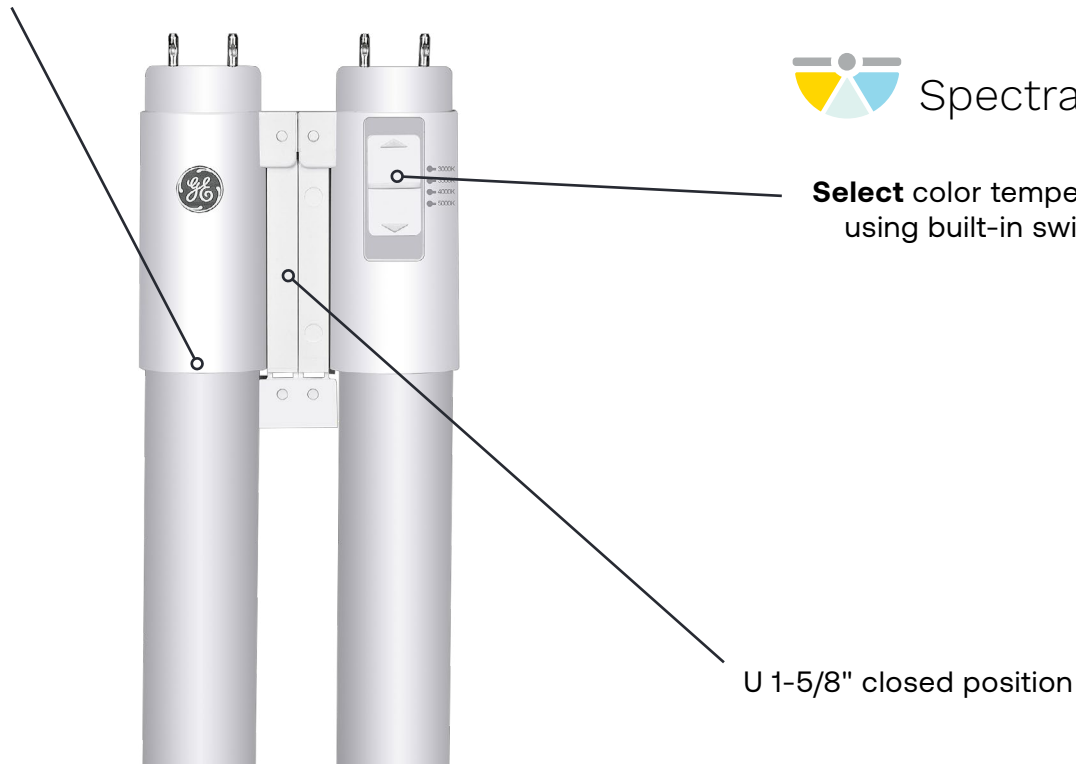


U1/U6 Adjustable Lamp

Lamps ship 15 per carton with U 1-5/8" tube spacing to minimize carton size



Select color temperature using built-in switch.

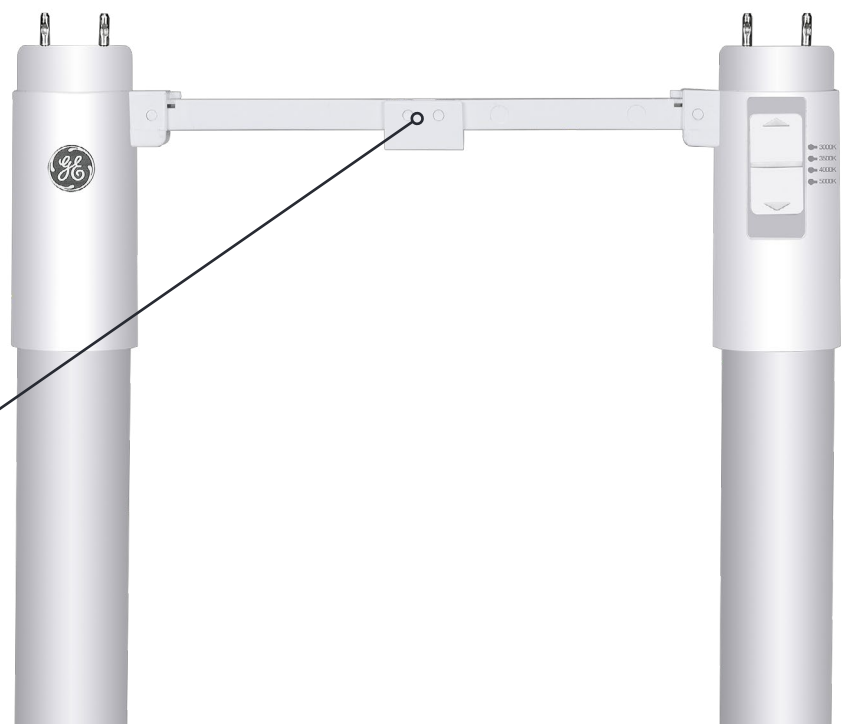


U 1-5/8" closed position

Two Lamps in One

Easily transform the U 1-5/8" out of the box into a U 6" lamp by pulling apart the tubes, allowing the hinged frames to fully extend and snap into place.

Hinged frames fully extend and snap into place to transform the lamp into U 6" tube spacing



LED Lamps – Tubes – Type B



Out of the box: U 1-5/8" configuration



Pull tubes apart to transform the lamp from U 1-5/8" tube spacing to the U 6" tube spacing



U 6" configuration with hinged frames fully extended



Ballast Bypass Selectable SpectraChoice™ T8 U1/U6 Adjustable – Double Ended – Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Watts	Selectable Lumens (Initial)*	Selectable Color Temp. (Initial)*	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ³ ID ⁴	Location Rating ³	Additional Information
Ballast Bypass (Type B) – U1/U6 Adjustable Glass Tubes																
T8	2G13	93320487	27006984	LED13BDT8/U/U6/8SC/120-347	120-347	15	22.6	13	1,750 1,800 1,850*	3000K 3500K 4000K* 5000K	80	50,000	>0.9	S-ZFKXK8	Damp	Ballast Bypass
Patent Pending																

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity from Current = Case Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

* Default wattage and color temperature settings noted by "*" in tables above.

Please note Current lamps are not for sale for use in Yukon Territory in Canada



LED Lamps – Tubes – Type B

Selectable T8 2-Piece 8ft Tube with Fa8 and R17d Base Adapters

Featuring a two-piece 4ft design that easily connects to an 8ft lamp, these tubes lower shipping costs, reduce breakage during transit, and optimize storage space. Included Fa8 and R17d base adapters, along with a durable PET coating, enable a single lamp solution for a wide range of applications, helping to simplify inventory management.

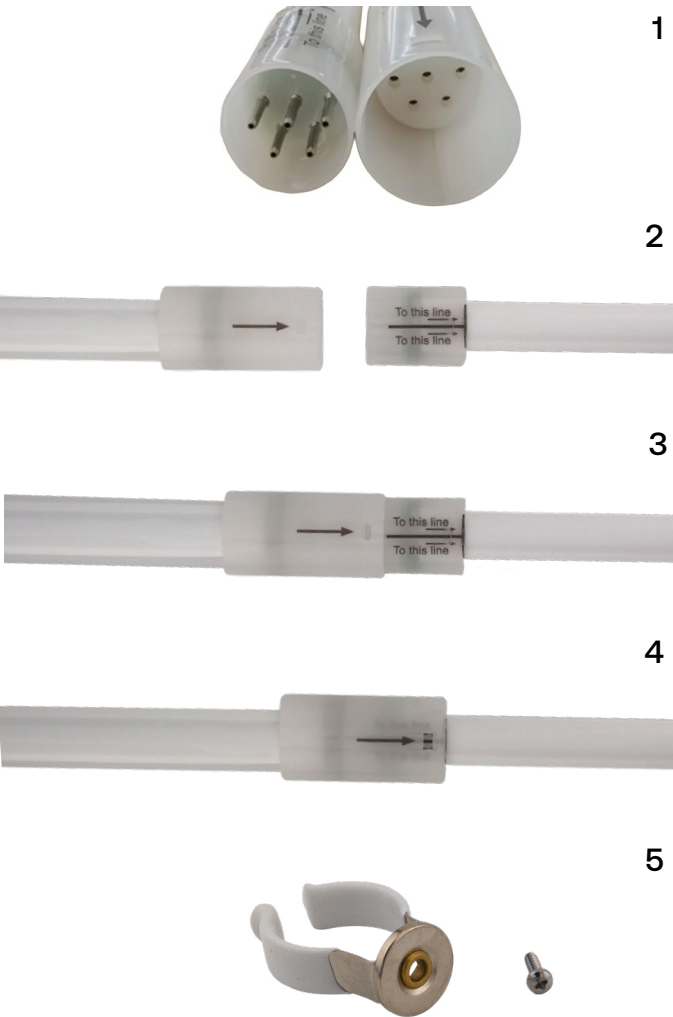
Ballast Bypass Selectable SpectraChoice™ T8 2-Piece 8ft Glass Tubes - Double Ended - Type B

Bulb Shape	Base Type ⁵	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Watts	Lumens (Initial) [*]	Selectable Color Temp. (Initial) [*]	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ³ ID ⁴	Location Rating ³	Additional Information
Ballast Bypass (Type B) - 2-Piece 8ft Glass Tubes																
T8	Fa8 / R17d	93325072		LED40BDT8/G8-2P/Fa8/R17d/8SC	120-277	10	96	40	5350 5500 5650 5650* 5350	3000K 3500K 4000K 5000K* 6500K	80	50,000	>0.9	-	Damp	Ballast Bypass, PET Coated, Includes Fa8 and R17d base adapters, support clip

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)
² Minimum order quantity from Current = Case Qty
³ UL 1993 Environmental Requirements for LED LAMPS
Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations
⁴ Visit qpl.designlights.org/solid-state-lighting to confirm qualification.
⁵ Ships from factory with Fa8 base adapter installed. R17d base adapter included
^{*} Default color temperature settings noted by "*" in tables above.



2-Piece 8ft Assembly: Two 4ft pieces connect in the center to make an 8ft tube. Line up the pins and holes utilizing the arrows on the outside cover. Push the tubes together to lock into place. Support clip (5) included to secure the middle of tube to the fixture.



LED Lamps – Tubes – Type B



8' LED Tube Options

Current provides multiple options for replacement of existing 8' linear fluorescent lamps to LED Tubes. Below is a comprehensive list of offerings for both Fa8 and R17d base types to choose from; all of the options below are color selectable.

Fixed Fa8 or R17d base

Ballast Bypass Selectable SpectraChoice™ Glass Tubes - Double Ended - Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Watts	Lumens (Initial)*	Selectable Color Temp. (Initial)*	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ID ⁴	Location Rating ³	Additional Information
Ballast Bypass (Type B) - 8ft Glass Tubes																
T8	Fa8	93319020	26726610	LED42BDT8/G8/Fa8/8SC/120-347	120-347	10	96	42	5460 5600 5600*	3500K 4000K 5000K*	80	50,000	>0.9	S-FVL70T	Damp	Ballast Bypass

Ballast Bypass Selectable SpectraChoice™ Glass HO Tubes - Double Ended - Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	Nominal Length (in)	Actual Length (in)	Watts	Lumens (Initial)*	Selectable Color Temp. (Initial)*	CRI	Rated Life L70 (Hrs) ¹	Power Factor	Location Rating ³	Additional Information
Ballast Bypass (Type B) - High Output Recessed Double Contact (R17d)																
T8	R17d	93319022	27009560	LED42BDT8/G8/R17d/8SC/120-347	120-347	10	96.0	93.91	42	5300 5500 5500 5400*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass

SGN = Signage applications, R17d rotatable end caps, uniform double-sided output

Signage Ballast Bypass Selectable SpectraChoice™ Glass HO Tubes - Double Ended - Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	Nominal Length (in)	Actual Length (in)	Watts	Lumens (Initial)*	Selectable Color Temp. (Initial)*	CRI	Rated Life L70 (Hrs) ¹	Power Factor	Location Rating ³	Additional Information
Ballast Bypass (Type B) - High Output Recessed Double Contact (R17d) - Signage																
T8	R17d	93319036	27009956	LED42BDT8/G8/R17d/8SC/SGN	120-347	10	96.0	93.91	42	4900 5100 5100 5000*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass

Patent Pending

2-Piece PET coated tubes, Fa8 and R17d base adapters

Ballast Bypass Selectable SpectraChoice™ T8 2-Piece 8ft Glass Tubes - Double Ended - Type B

Bulb Shape	Base Type ⁵	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Watts	Lumens (Initial)*	Selectable Color Temp. (Initial)*	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ID ⁴	Location Rating ³	Additional Information
Ballast Bypass (Type B) - 2-Piece 8ft Glass Tubes																
T8	Fa8 / R17d	93325072		LED40BDT8/G8-2P/Fa8/R17d/8SC	120-277	10	96	40	5350 5500 5650 5650* 5350	3000K 3500K 4000K 5000K* 6500K	80	50,000	>0.9	-	Damp	Ballast Bypass, PET Coated, includes Fa8 and R17d base adapters, support clip

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity from Current = Case Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

⁵ Ships from factory with Fa8 base adapter installed. R17d base adapter included

* Default color temperature settings noted by "*" in tables above.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - Tubes - Type B



Ballast Bypass UXL PET Plastic Coated Glass Tubes - Double Ended - Type B

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ⁴	Location Rating ³	Additional Information
Ballast Bypass - 4ft UXL PET Plastic Coated Glass Tubes																
T8	G13	13.5	93322529	-	LED13BDT8/G/4/835UXL	120-277	20	48	2500	3500K	80	70,000	>0.9	S-WPX3P1	Damp	NSF Splash Zone
	G13	13.5	93322535	-	LED13BDT8/G/4/840UXL	120-277	20	48	2600	4000K	80	70,000	>0.9	S-3PBDXH	Damp	NSF Splash Zone
	G13	13.5	93322505	-	LED13BDT8/G/4/850UXL	120-277	20	48	2600	5000K	80	70,000	>0.9	S-G2CYZF	Damp	NSF Splash Zone
	G13	9.3	93322511	-	LED9BDT8/G/4/835UXL	120-277	20	48	1700	3500K	80	70,000	>0.9	S-S17R4Q	Damp	NSF Splash Zone
	G13	9.3	93322517	-	LED9BDT8/G/4/840UXL	120-277	20	48	1800	4000K	80	70,000	>0.9	S-Q9SVFB	Damp	NSF Splash Zone
	G13	9.3	93322523	-	LED9BDT8/G/4/850UXL	120-277	20	48	1800	5000K	80	70,000	>0.9	S-3H1TMK	Damp	NSF Splash Zone

Ballast Bypass Glass Tubes - Single Ended or Double Ended - Type B

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ⁴	Location Rating ³	Additional Information
Ballast Bypass - 4ft XL Glass Tubes - Single-Ended or Double-Ended Wiring																
T8	G13	8.5	93323839	-	LED8BT8/G/4/835XL	120-277	20	48	1600	3500K	80	50,000	>0.9	-	Damp	
	G13	8.5	93321550	-	LED8BT8/G/4/840XL	120-277	20	48	1650	4000K	80	50,000	>0.9	-	Damp	
	G13	8.5	93323845	-	LED8BT8/G/4/850XL	120-277	20	48	1650	5000K	80	50,000	>0.9	-	Damp	

Ballast Bypass Glass Tubes - Double Ended - Type B

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ⁴	ID ⁴	Location Rating ³	Additional Information
Ballast Bypass - 4ft XL Glass Tubes																	
T8	G13	16	93132588	26471751	LED16BDT8/G/4/840XL	120-277	20	48	2550	4000K	80	70,000	>0.9	P32UZP06		Damp	
	G13	16	93132589	26471750	LED16BDT8/G/4/850XL	120-277	20	48	2550	5000K	80	70,000	>0.9	P17ZR2DY		Damp	
	G13	13	93132554	26512980	LED13BDT8/G/4/840XL	120-277	20	48	2050	4000K	80	70,000	>0.9	PN3DG2KK		Damp	
	G13	13	93132555	26512981	LED13BDT8/G/4/850XL	120-277	20	48	2050	5000K	80	70,000	>0.9	P33RC00B		Damp	
	G13	9.5	93132549	26512982	LED9BDT8/G/4/835XL	120-277	20	48	1600	3500K	80	70,000	>0.9	PP3H2D0T		Damp	
	G13	9.5	93132550	26512983	LED9BDT8/G/4/840XL	120-277	20	48	1650	4000K	80	70,000	>0.9	PE3WWYH0		Damp	
	G13	9.5	93132551	26512984	LED9BDT8/G/4/850XL	120-277	20	48	1650	5000K	80	70,000	>0.9	P4X8QYGU		Damp	
Ballast Bypass - 4ft Glass Tubes																	
T8	G13	16	93123476	26415787	LED16BDT8/G/4/830	120-277	20	48	2150	3000K	80	50,000	>0.9	P9U8R2XF		Damp	
	G13	16	93125618	26413869	LED16BDT8/G/4/835	120-277	20	48	2200	3500K	80	50,000	>0.9	PW61S4V8		Damp	
	G13	16	93125620	26408958	LED16BDT8/G/4/840	120-277	20	48	2250	4000K	80	50,000	>0.9	PLWETXLG		Damp	
	G13	16	93125622	26412313	LED16BDT8/G/4/850	120-277	20	48	2250	5000K	80	50,000	>0.9	P9DPDUA6		Damp	
	G13	14	39493	26189125	LED14BDT8/G/4/830	120-277	20	48	1820	3000K	80	50,000	>0.9	PQUJ40YO		Damp	
	G13	14	39494	26189126	LED14BDT8/G/4/835	120-277	20	48	1820	3500K	80	50,000	>0.9	PE7DNV4V		Damp	
	G13	14	39498	26189127	LED14BDT8/G/4/840	120-277	20	48	1850	4000K	80	50,000	>0.9	PFXFRIB9		Damp	
	G13	14	39519	26189128	LED14BDT8/G/4/850	120-277	20	48	1850	5000K	80	50,000	>0.9	PYXSAU7Y		Damp	
	G13	11	93117212	26391308	LED11BDT8/G/4/830	120-277	20	48	1600	3000K	80	50,000	>0.9	-		Damp	
	G13	11	93117213	26391306	LED11BDT8/G/4/835	120-277	20	48	1650	3500K	80	50,000	>0.9	PIAW5HB		Damp	
	G13	11	93117214	26391305	LED11BDT8/G/4/840	120-277	20	48	1650	4000K	80	50,000	>0.9	P3Y9GW4E		Damp	
	G13	11	93117215	26391307	LED11BDT8/G/4/850	120-277	20	48	1700	5000K	80	50,000	>0.9	P792993K		Damp	
Ballast Bypass - 3ft Glass Tubes																	
T8	G13	12	39547	26327566	LED12BDT8/G/3/835	120-277	20	36	1600	3500K	80	50,000	>0.9	P1DV4D7M		Damp	
	G13	12	39554	26327567	LED12BDT8/G/3/840	120-277	20	36	1650	4000K	80	50,000	>0.9	POEU7LZC		Damp	
	G13	12	39557	26327568	LED12BDT8/G/3/850	120-277	20	36	1650	5000K	80	50,000	>0.9	P1WXGHZO		Damp	
Ballast Bypass - 2ft Glass Tubes																	
T8	G13	9	39560	26327570	LED9BDT8/G/2/835	120-277	20	24	1200	3500K	80	50,000	>0.9	P41DJP7N		Damp	
	G13	9	39561	26327571	LED9BDT8/G/2/840	120-277	20	24	1250	4000K	80	50,000	>0.9	P9VLH47P		Damp	
	G13	9	39563	26327572	LED9BDT8/G/2/850	120-277	20	24	1250	5000K	80	50,000	>0.9	PQS5X3I		Damp	
Ballast Bypass - U6 Glass Tubes - 6" leg spacing																	
T8-U6	2G13	13	93133050	26493758	LED13BDT8/U6/835	120-277	12	22.5	1800	3500K	80	50,000	>0.9	PUWGR50L		Damp	6" leg spacing
	2G13	13	93133051	26493759	LED13BDT8/U6/840	120-277	12	22.5	1850	4000K	80	50,000	>0.9	P5NYY5PI		Damp	6" leg spacing
	2G13	13	93133052	26493760	LED13BDT8/U6/850	120-277	12	22.5	1850	5000K	80	50,000	>0.9	PWD1ZSNP		Damp	6" leg spacing

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity from Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

* Default color temperature setting is 4000K.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - Tubes - Type B



Ballast Bypass covRguard® Plastic Sleeved Glass Tubes - Double Ended - Type B

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ³ ID ⁴	Location Rating ³	Additional Information
Ballast Bypass - 4ft covRguard® Plastic Sleeved Glass Tubes																
T8	G13	16	93154588	-	LED16BDT8/G4/835XL/CVG	120-277	20	48	2400	3500K	80	70,000	>0.9	S-HSC8PZ	Damp	NSF Food Zone
	G13	16	93154589	26709999	LED16BDT8/G4/840XL/CVG	120-277	20	48	2450	4000K	80	70,000	>0.9	S-KDB8N5	Damp	NSF Food Zone
	G13	16	93154586	26623696	LED16BDT8/G4/850XL/CVG	120-277	20	48	2450	5000K	80	70,000	>0.9	S-398HOM	Damp	NSF Food Zone
	G13	13	93154613	-	LED13BDT8/G4/835XL/CVG	120-277	20	48	1900	3500K	80	70,000	>0.9	S-PTI7MQ	Damp	NSF Food Zone
	G13	13	93154590	-	LED13BDT8/G4/840XL/CVG	120-277	20	48	1950	4000K	80	70,000	>0.9	S-HVKBRT	Damp	NSF Food Zone
	G13	13	93154612	-	LED13BDT8/G4/850XL/CVG	120-277	20	48	1950	5000K	80	70,000	>0.9	S-7VT10C	Damp	NSF Food Zone
	G13	9	93154615	-	LED9BDT8/G4/835XL/CVG	120-277	20	48	1550	3500K	80	70,000	>0.9	-	Damp	NSF Food Zone
	G13	9	93154616	-	LED9BDT8/G4/840XL/CVG	120-277	20	48	1600	4000K	80	70,000	>0.9	S-DEZYCO	Damp	NSF Food Zone
Ballast Bypass - 3 ft covRguard® Plastic Sleeved Glass Tubes																
T8	G13	12	93325821	-	LED12BDT8/G3/835CVG	120-277	20	36	1560	3500K	80	50,000	>0.9	-	Damp	NSF Food Zone
	G13	12	93325822	-	LED12BDT8/G3/840CVG	120-277	20	36	1600	4000K	80	50,000	>0.9	-	Damp	NSF Food Zone
	G13	12	93325823	-	LED12BDT8/G3/850CVG	120-277	20	36	1600	5000K	80	50,000	>0.9	-	Damp	NSF Food Zone
Ballast Bypass - 2 ft covRguard® Plastic Sleeved Glass Tubes																
T8	G13	9	93325826	-	LED9BDT8/G2/835CVG	120-277	20	24	1170	3500K	80	50,000	>0.9	-	Damp	NSF Food Zone
	G13	9	93325827	-	LED9BDT8/G2/840CVG	120-277	20	24	1200	4000K	80	50,000	>0.9	-	Damp	NSF Food Zone
	G13	9	93325828	-	LED9BDT8/G2/850CVG	120-277	20	24	1200	5000K	80	50,000	>0.9	-	Damp	NSF Food Zone

Ballast Bypass PET Plastic Coated Glass Tubes - Double Ended - Type B

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ³ ID ⁴	Location Rating ³	Additional Information
Ballast Bypass - 4ft PET Plastic Coated Glass Tubes																
T8	G13	14	93123124	26415785	LED14BDT8/G4/835CT	120-277	20	48	1820	3500K	80	50,000	>0.9	PK9D9IG0	Damp	NSF Splash Zone
	G13	14	93123316	26415200	LED14BDT8/G4/840CT	120-277	20	48	1850	4000K	80	50,000	>0.9	P9R85C2W	Damp	NSF Splash Zone
	G13	14	93123317	26415786	LED14BDT8/G4/850CT	120-277	20	48	1850	5000K	80	50,000	>0.9	PZL4PNH9	Damp	NSF Splash Zone
	G13	11	93129666	-	LED11BDT8/G4/840CT	120-277	20	48	1650	4000K	80	50,000	>0.9	PKJQYIAK	Damp	NSF Splash Zone
Ballast Bypass - 3ft LED Tube - PET Plastic Coated Glass																
T8	G13	12	93154450	-	LED12BDT8/G3/840CT	120-277	20	36	1450	4000K	80	50,000	>0.9	S-UYXL72	Damp	NSF Splash Zone
Ballast Bypass - 2ft LED Tube - PET Plastic Coated Glass																
T8	G13	9	93154445	-	LED9BDT8/G2/840CT	120-277	20	24	1100	4000K	80	50,000	>0.9	S-K7HOSB	Damp	NSF Splash Zone

120-347V Ballast Bypass Glass Tubes - Double Ended - Type B

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ³ ID ⁴	Location Rating ³	Additional Information
120-347V Ballast Bypass - 8ft Glass Tubes																
T8	R17d	42	93309189	-	LED42BDT8/G8/R17d/840/120-347	120-347	20	96	5500	4000K	80	50,000	>0.9	-	Damp	
120-347V Ballast Bypass - 4ft Glass Tubes																
T8	G13	15	93150744	-	LED15BDT8/G4/830/120-347	120-347	20	48	2000	3000K	80	50,000	>0.9	PLEZ25LCZ18C	Damp	
	G13	15	93150745	-	LED15BDT8/G4/835/120-347	120-347	20	48	2100	3500K	80	50,000	>0.9	PL3AD91YOYVI	Damp	
	G13	15	93150774	-	LED15BDT8/G4/840/120-347	120-347	20	48	2200	4000K	80	50,000	>0.9	PLAVALDEOC20D	Damp	
	G13	15	93150775	26639719	LED15BDT8/G4/850/120-347	120-347	20	48	2200	5000K	80	50,000	>0.9	PLMTIE87F98F	Damp	
	G13	11.5	93305112	-	LED11BDT8/G4/830/120-347	120-347	20	48	1700	3000K	80	50,000	>0.9	S-P96STW	Damp	
	G13	11.5	93305113	-	LED11BDT8/G4/835/120-347	120-347	20	48	1750	3500K	80	50,000	>0.9	S-FK874T	Damp	
	G13	11.5	93305115	-	LED11BDT8/G4/840/120-347	120-347	20	48	1800	4000K	80	50,000	>0.9	S-RBECUJ	Damp	
	G13	11.5	93305116	-	LED11BDT8/G4/850/120-347	120-347	20	48	1800	5000K	80	50,000	>0.9	S-32DTWS	Damp	
120-347V Ballast Bypass - 3ft Glass Tubes																
T8	G13	12	93309175	-	LED12BDT8/G3/830/120-347	120-347	20	36	1500	3000K	80	50,000	>0.9	S-1A830D	Damp	
	G13	12	93309176	-	LED12BDT8/G3/835/120-347	120-347	20	36	1550	3500K	80	50,000	>0.9	S-XIZYOE	Damp	
	G13	12	93309177	-	LED12BDT8/G3/840/120-347	120-347	20	36	1600	4000K	80	50,000	>0.9	S-4DQ73F	Damp	
	G13	12	93309178	-	LED12BDT8/G3/850/120-347	120-347	20	36	1600	5000K	80	50,000	>0.9	S-CDWEX5	Damp	
120-347V Ballast Bypass - 2ft Glass Tubes																
T8	G13	7	93309179	27004668	LED7BDT8/G2/830/120-347	120-347	20	24	900	3000K	80	50,000	>0.9	S-Q73A5R	Damp	
	G13	7	93309180	-	LED7BDT8/G2/835/120-347	120-347	20	24	925	3500K	80	50,000	>0.9	S-WVHQ2L	Damp	
	G13	7	93309181	27025753	LED7BDT8/G2/840/120-347	120-347	20	24	950	4000K	80	50,000	>0.9	S-OL6XNA	Damp	
	G13	7	93309182	-	LED7BDT8/G2/850/120-347	120-347	20	24	950	5000K	80	50,000	>0.9	S-ZTFN9K	Damp	

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – Tubes – Type B



Ballast Bypass Glass Tubes - Double Ended - Type B - T5

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ⁴ ID ⁴	Location Rating ³	Additional Information
Ballast Bypass - 4ft T5 HO Glass Tubes																
T5	G5	25	93100293	26397264	LED25BDT5/G4/835	120-277	20	46	3400	3500K	80	50,000	>0.9	PNWXCFFY	Damp	
	G5	25	93100294	26397262	LED25BDT5/G4/840	120-277	20	46	3500	4000K	80	50,000	>0.9	P56WVBL6	Damp	
	G5	25	93100295	26397263	LED25BDT5/G4/850	120-277	20	46	3600	5000K	80	50,000	>0.9	P95QEGYA	Damp	
Ballast Bypass - 4ft T5 HE Glass Tubes																
T5	G5	14	93128486	26437543	LED14BDT5G4840HE	120-277	20	46	2150	4000K	80	50,000	>0.9	P80DMFGU	Damp	
Ballast Bypass - 3ft T5 HE Glass Tubes																
T5	G5	11	93128488	26515519	LED11BDT5G3830HE	120-277	20	34	1600	3000K	80	50,000	>0.9	-	Damp	
	G5	11	93128492	-	LED11BDT5G3850HE	120-277	20	34	1700	5000K	80	50,000	>0.9	-	Damp	

Ballast Bypass covRguard® Plastic Sleeved Glass Tubes - Double Ended - Type B - T5

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ⁴ ID ⁴	Location Rating ³	Additional Information
Ballast Bypass - 4ft covRguard® Plastic Sleeved Glass Tubes																
T5	G5	25	93155904	26728712	LED25BDT5/G4/840/CVG	120-277	20	46	3400	4000K	80	50,000	>0.9	S-60DSL	Damp	NSF Food Zone
	G5	25	93155905	26603789	LED25BDT5/G4/850/CVG	120-277	20	46	3400	5000K	80	50,000	>0.9	S-8STF01	Damp	NSF Food Zone

Type B Tube Misapplication Fuse Kit

Current offers this fuse kit for use in Type B Tube applications for protection against future misapplication of linear fluorescent lamps.

Order Code	GBID	Description	Kit Contents
39017	26189130	BT8-1AFUSEKIT	1 Fuse (1A), 1 Fuse Holder

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

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Why switch to LED Tubes?

LED Tubes are the fast and easy way to upgrade from Linear Fluorescent to LED.

Current offers a variety of LED Tube options, so you can choose the best solution for each application.



No Mercury in LED



50% Energy Reduction



2x Longer Rated Life



Quick Payback

Fluorescent lamps will soon become unavailable for sale in a number of states with upcoming legislation. Are you ready?

In an effort to regulate consumer products that contain mercury, state governments within the USA have passed legislation that will prohibit the sale and distribution of Linear and Compact Fluorescent lamps. For more information or to see if your state is impacted, please visit www.LED.com/lamplawlegislation.

LED Lamps – Tubes – Type B



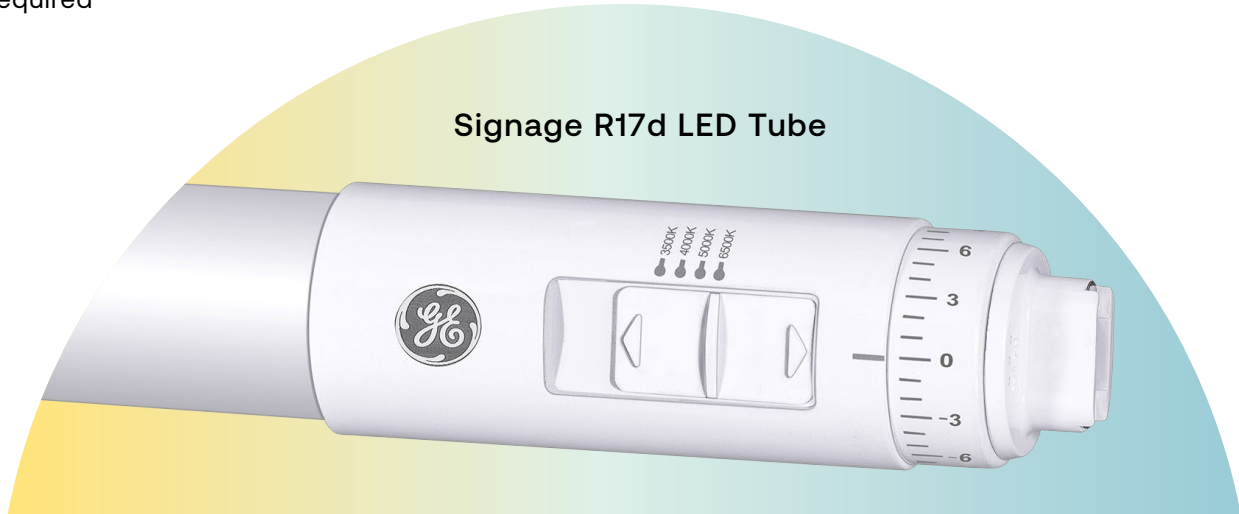
LED Tube Design for Signage Applications:

Standard GE LED Tubes are constructed of glass tubes with an internal coating, similar to linear fluorescent lamps. The coating inside the glass provides good diffusion, spreading out the light and eliminating hot spots and pixilation from the individual LEDs. However, since the LED board inside the tube is on one side, the output is directional. This can be an advantage in many applications where the lamps are in a ceiling and the light needs to point down.

Linear fluorescent lamps emit light equally all the way around the diameter of the tube. For double-sided signage applications, this uniformity is ideal. Signage (“SGN”) GE LED Tubes are constructed similarly to standard tubes, but with two key differences designed to improve performance in signage applications. First, Signage GE LED Tubes incorporate a reflective strip inside the tube opposite the LED board. The strip bounces light back behind the LED board and reduces the intensity directly across from the LED board. This results in more uniform light distribution, which is preferred for double-sided signage cabinets. The second key feature of Signage LED Tubes is rotatable end caps. These allow the tube to be oriented properly regardless of the socket orientation inside the cabinet.

SpectraChoice™ Allows you to easily make color temperature selections at any time with integrated switch, no tools required

Signage R17d LED Tube

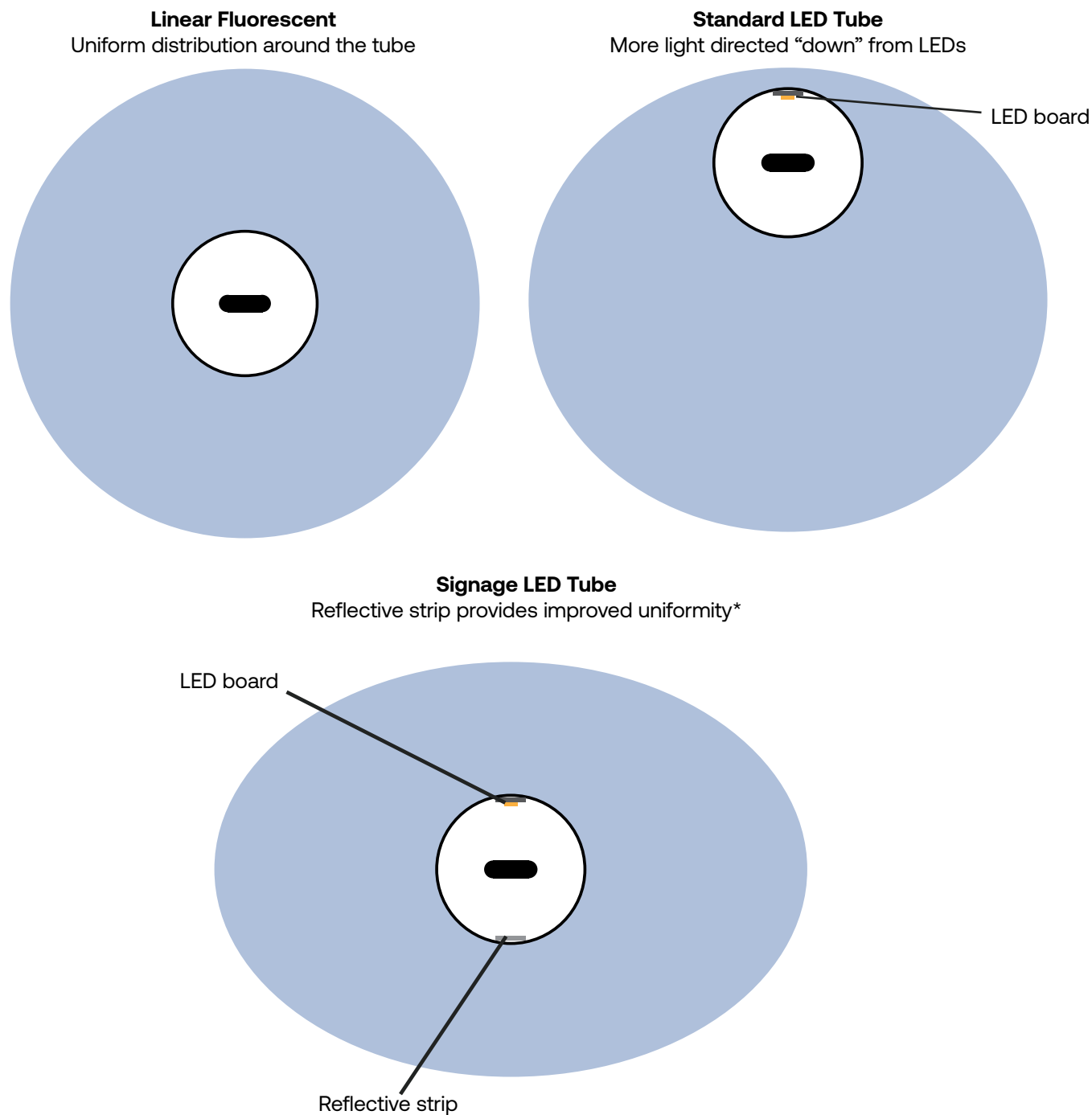


SpectraChoice™

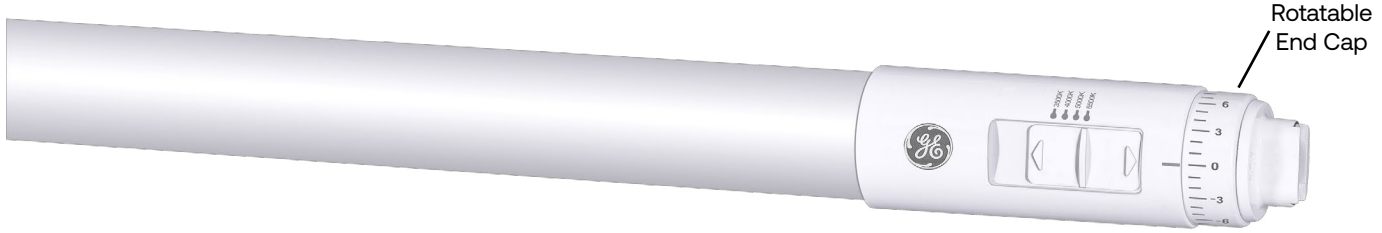


Standard R17d LED Tube

Graphical Representation of Light Distribution from HO Tubes:



LED Lamps – Tubes – Type B



Signage LED R17d HO Tube

Signage Ballast Bypass Selectable SpectraChoice™ Glass HO Tubes - Double Ended - Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	Nominal Length (in)	Actual Length (in)	Watts	Selectable Lumens (Initial)*	Selectable Color Temp. (Initial)*	CRI	Rated Life L70 (Hrs) ¹	Power Factor	Location Rating ³	Additional Information
Ballast Bypass (Type B) - High Output Recessed Double Contact (R17d) - Signage																
T8	R17d	93323121	-	LED7BDT8/G18/R17d/8SC/SGN	120-347	10	18.0	15.91	7	800 900 900 850*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93323115	-	LED9BDT8/G2/R17d/8SC/SGN	120-347	10	24.0	21.91	9	1100 1200 1200 1150*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93323109	-	LED11BDT8/G30/R17d/8SC/SGN	120-347	10	30.0	27.91	11.5	1450 1550 1550 1500*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319048	-	LED14BDT8/G3/R17d/8SC/SGN	120-347	10	36.0	33.91	14	1800 1900 1900 1850*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93323103	-	LED16BDT8/G42/R17d/8SC/SGN	120-347	10	42.0	39.91	16	2100 2200 2200 2150*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319046	-	LED18BDT8/G4/R17d/8SC/SGN	120-347	10	48.0	45.91	18	2400 2500 2500 2450*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319044	-	LED24BDT8/G5/R17d/8SC/SGN	120-347	10	60.0	57.91	24	2800 2950 2950 2850*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319042	-	LED26BDT8/G64/R17d/8SC/SGN	120-347	10	64.0	61.91	26	3050 3200 3200 3100*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319040	27009955	LED30BDT8/G6/R17d/8SC/SGN	120-347	10	72.0	69.91	30	3500 3650 3650 3550*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319038	-	LED35BDT8/G7/R17d/8SC/SGN	120-347	10	84.0	81.91	35	4050 4250 4250 4150*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319036	27009956	LED42BDT8/G8/R17d/8SC/SGN	120-347	10	96.0	93.91	42	4900 5100 5100 5000*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass

Patent Pending

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity from Current = Case Qty

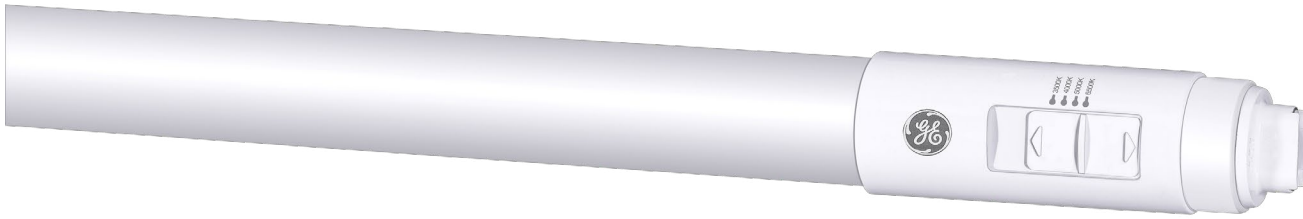
³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

* Default color temperature settings noted by "*" in tables above

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – Tubes – Type B



Standard LED R17d HO Tube

Ballast Bypass Selectable SpectraChoice™ Glass HO Tubes - Double Ended - Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	Nominal Length (in)	Actual Length (in)	Watts	Selectable Lumens (Initial)*	Selectable Color Temp. (Initial)*	CRI	Rated Life L70 (Hrs) ¹	Power Factor	Location Rating ³	Additional Information
Ballast Bypass (Type B) - High Output Recessed Double Contact (R17d)																
T8	R17d	93319034	-	LED14BDT8/G3/R17d/8SC/120-347	120-347	10	36.0	33.91	14	1900 2000 2000 1950*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319032	27016937	LED18BDT8/G4/R17d/8SC/120-347	120-347	10	48.0	45.91	18	2500 2600 2600 2550*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319030	-	LED24BDT8/G5/R17d/8SC/120-347	120-347	10	60.0	57.91	24	3050 3200 3200 3100*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319028	-	LED26BDT8/G64/R17d/8SC/120-347	120-347	10	64.0	61.91	26	3310 3450 3450 3350*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319026	-	LED30BDT8/G6/R17d/8SC/120-347	120-347	10	72.0	69.91	30	3800 4000 4000 3850*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319024	-	LED35BDT8/G7/R17d/8SC/120-347	120-347	10	84.0	81.91	35	4400 4600 4600 4500*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319022	27009560	LED42BDT8/G8/R17d/8SC/120-347	120-347	10	96.0	93.91	42	5300 5500 5500 5400*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity from Current = Case Qty

³ UL 1993 Environmental Requirements for LED LAMPS

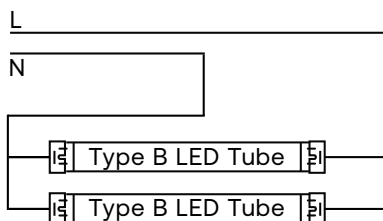
Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

* Default color temperature settings noted by "*" in tables above

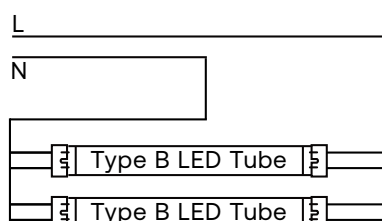
Please note Current lamps are not for sale for use in Yukon Territory in Canada

Wiring Diagrams for Double-Ended Type B LED Tubes

Shunted Sockets



Unshunted Sockets



Type B Tube Misapplication Fuse Kit

Order Code	Description	Kit Contents
39017	BT8-1AFUSEKIT	1 Fuse (1A), 1 Fuse Holder

LED Lamps – Tubes – Type C



LED Tubes – Type C

GE Type C LED Tubes and Drivers are the preferred LED Tube choice for applications that demand dimming, controllability and flexibility.

GE Type C LED Tubes operate from the low voltage DC output of the drivers. The Class 2 output reduces risk of fire and shock compared to higher voltage alternatives. The same lamp may be used with various drivers.

In addition to the lamp-driver combination flexibility, LumenChoice® drivers are field-tunable. Installers can change the output to the lamps using built-in switches on the driver. This allows solutions to be optimized for each application, with potential for more energy savings by reducing the output in overlit spaces.

Dimming and controllability are readily implemented using the 0-10V dimming leads from the drivers. 0-10V dimming was common on dimming ballasts for linear fluorescent lamps, so implementation on existing systems is straightforward. 0-10V output allows for many drivers to be controlled by one device, a practical solution for LED Tube applications. The 0-10V dimming leads from GE Type C LED Tube drivers may also be combined with Current wireless controls. Contact your Current sales representative for more information.

Driver wiring mimics that of instant start ballasts, making for simple installation. Each channel from the driver is independent, so running fewer lamps than the maximum does not impact the other outputs. Running three lamps from a four-lamp driver still provides the same output to each lamp as when four lamps are being operated.

With LumenChoice® Type C LED Tubes and Drivers, fewer SKUs can be used to address the needs of an entire facility. The performance tables in this section show the light output from lamps at each driver wattage setting.

Catalog Logic:

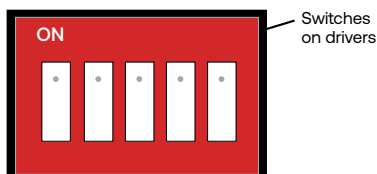
Bulb Shape: Bulb shape followed by its size (the maximum diameter of the bulb expressed in eighths of an inch).		Order Code: Use the order code when ordering to ensure that you receive the exact product you require		Color Rendering Index (CRI or R): An indication of the ability of the lamp to render object colors in a normal natural way. The higher the number (0-100), the better the color appearance.				Rated Life L70: Hours of operation the lamp will provide before reaching 70% of its original lumen output							
Base Type: ANSI Base		Description: Lamp Model Description		MOL (in): Maximum Overall Length in inches		Color Temperature (K): A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value, the whiter or "cooler" the light appears.		DLC: Indicates whether product is listed on the DesignLights Consortium® Qualified Products List							
				Carton Quantity: Number of lamps packed in a carton				Location Rating: Location Rating as defined for LED Lamps by UL 1993							
								Initial Lumens at Selectable Settings: Lamp lumens at various wattages							
Bulb Shape	Base Type	Order Code	Description	Carton Qty ²	MOL (in)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ^{®4}	Location Rating ³	6W	9W	12W	15W	18W
LumenChoice® 4 ft T8 Glass Tubes - Fixed CCT															
T8	G13	34211	LEDT8/LC/G/4/830	20	48	3000K	80	70,000	Yes	Damp	750	1150	1550	1900	2250

LEDT8/LC/G/4/830

Bulb Shape
 LC = LumenChoice; output determined by external driver setting
 "G" indicates Glass tube
 Length in feet
 CRI (8 = 80)
 CCT (30 = 3000K)

Programming LumenChoice™ Drivers

Before installation, LumenChoice™ Drivers must be set to the desired output. Lumen levels corresponding to the driver settings below are noted in the specification tables. Adjust the switches on the side of the driver to achieve the desired performance according to the table below.



DRIVER DESCRIPTIONS		DRIVER PRODUCT CODES				
LED/6-18/DR/D2L LED/6-18/DR/D4L		93313132 93313181				
SYSTEM WATTS PER LAMP	SWITCH CODE					
	1	2	3	4	5	
18						
15						
12						
9						
6						

DRIVER DESCRIPTIONS		DRIVER PRODUCT CODES				
LED/15-36/DR/D2L		93324881				
SYSTEM WATTS PER LAMP	SWITCH CODE					
	1	2	3	4	5	
36						
30						
25						
21						
15						

LED Lamps – Tubes – Type C



Remote Drivers for Type C LED Tubes

Input Watts (Max.)	Order Code	GBID	Description	Input Voltage	Carton Qty ²	Length (in)	Width (in)	Height (in)	Freq. (Hz)	Power Factor	Output Voltage	Max. Output Current (A)	Min. Temp. ¹	Max. Temp.	0-10V Dimmable	Default Wattage per Tube Setting	Additional Information
LumenChoice® Remote Drivers - Selectable Output for Type C LED Tubes (6-18W Range)																	
36	93313132	-	LED/6-18/DR/D2L	120-347 VAC	10	9.5	1.3	1.2	60	>0.9	26-34 VDC	0.53x2	-4° F	104° F	Yes	12W	Max. 2 Tubes: Class 2 Output
72	93313181	-	LED/6-18/DR/D4L	120-347 VAC	10	9.5	1.7	1.2	60	>0.9	26-34 VDC	0.53x4	-4° F	104° F	Yes	12W	Max. 4 Tubes: Class 2 Output
72	93324881	-	LED/15-36/DR/D2L	120-347 VAC	10	9.5	1.7	1.2	60	>0.9	26-34 VDC	1.06x2	-4° F	104° F	Yes	36W	Max. 2 Tubes: Class 2 Output
LumenChoice® Remote Drivers - Selectable Output for Type C LED Tubes (8-16.5W Range)																	
66	21379	26349756	LED/DR/D4L/LW	120-277 VAC	10	9.5	1.7	1.2	60	>0.9	26-34 VDC	0.48x4	-4° F	104° F	Yes	12W	Max. 4 Tubes; Class 2 Output

LumenChoice® + SpectraChoice™ T8 Type C LED Tube and Driver System - 6-18W Driver

Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	Selectable Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ^{3,4}	Location Rating ³	Initial Lumens at Driver Settings:				
												6W	9W	12W	15W	18W
LumenChoice® + SpectraChoice™ 4 ft T8 Glass Tube - Selectable CCT																
T8	G13	93322420	-	LEDT8/LC/G/4/8SC	20	48	3500K 4000K* 5000K	80	70,000	-	Damp	1000 1050 1050	1450 1500 1500	1850 1950 1950	2200 2300 2300	2550 2650 2650
LumenChoice® + SpectraChoice™ 3 ft T8 Glass Tube - Selectable CCT																
T8	G13	93322422	27025752	LEDT8/LC/G/3/8SC	20	36	3500K 4000K* 5000K	80	70,000	-	Damp	950 1000 1000	1350 1450 1450	1750 1850 1850	2100 2200 2200	2450 2550 2550
LumenChoice® + SpectraChoice™ 2 ft T8 Glass Tube - Selectable CCT																
T8	G13	93322418	-	LEDT8/LC/G/2/8SC	20	24	3500K 4000K* 5000K	80	70,000	-	Damp	900 950 950	1300 1400 1400	1700 1800 1800		

LumenChoice® T8 Type C LED Tube and Driver System - 6-18W Driver

Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ^{3,4}	Location Rating ³	Initial Lumens at Driver Settings:				
												6W	9W	12W	15W	18W
LumenChoice® 4 ft T8 Glass Tubes - Fixed CCT																
T8	G13	34211	26349746	LEDT8/LC/G/4/830	20	48	3000K	80	70,000	Yes	Damp	800	1200	1600	1950	2350
	G13	93314798	-	LEDT8/LC/G/4/835XL	20	48	3500K	80	70,000	Yes	Damp	1000	1450	1850	2250	2600
	G13	93314800	-	LEDT8/LC/G/4/840XL	20	48	4000K	80	70,000	Yes	Damp	1050	1500	1900	2300	2650
	G13	93314802	-	LEDT8/LC/G/4/850XL	20	48	5000K	80	70,000	Yes	Damp	1050	1500	1900	2300	2650
LumenChoice® 3 ft T8 Glass Tubes - Fixed CCT																
T8	G13	36394	26349797	LEDT8/LC/G/3/830	20	36	3000K	80	70,000	-	Damp	800	1200	1600	1950	2350
LumenChoice® 2 ft T8 Glass Tubes - Fixed CCT																
T8	G13	36406	26349801	LEDT8/LC/G/2/830	20	24	3000K	80	70,000	-	Damp	750	1100	1450		

LumenChoice® + SpectraChoice™ T8 Type C LED Tube and Driver System - 15-36W Driver

Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	Selectable Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ^{3,4}	Location Rating ³	Initial Lumens at Driver Settings:					
LumenChoice® + SpectraChoice™ 4 ft T8 Glass Tube - Selectable CCT													15W	21W	25W	30W	36W
T8	G13	93322420	-	LEDT8/LC/G/4/8SC	20	48	3500K 4000K* 5000K	80	70,000	-	Damp	2200 2300 2300	2900 3000 3000	3400 3500 3500			

LumenChoice® T8 Type C LED Tube and Driver System - 15-36W Driver

Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ^{3,4}	Location Rating ³	Initial Lumens at Driver Settings:				
LumenChoice® 4 ft T8 Glass Tubes - Fixed CCT																
T8	G13	34211	26349746	LEDT8/LC/G/4/830	20	48	3000K	80	70,000	-	Damp	1950	2650	3100		
	G13	93314798	-	LEDT8/LC/G/4/835XL	20	48	3500K	80	70,000	-	Damp	2250	2900	3300		
	G13	93314800	-	LEDT8/LC/G/4/840XL	20	48	4000K	80	70,000	-	Damp	2300	2950	3350		
	G13	93314802	-	LEDT8/LC/G/4/850XL	20	48	5000K	80	70,000	-	Damp	2300	2950	3350		

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity - Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – Tubes – Type C



Remote Drivers for Type C LED Tubes

Input Watts (Max.)	Order Code	GBID	Description	Input Voltage	Carton Qty ²	Length (in)	Width (in)	Height (in)	Freq. (Hz)	Power Factor	Output Voltage	Max. Output Current (A)	Min. Temp. ¹	Max. Temp.	0-10V Dimmable	Default Wattage per Tube Setting	Additional Information
LumenChoice® Remote Drivers – Selectable Output for Type C LED Tubes																	
72	93324881	-	LED/15-36/DR/D2L	120-347 VAC	10	9.5	1.7	1.2	60	>0.9	26-34 VDC	1.06x2	-4° F	104° F	Yes	36W	Max. 2 Tubes: Class 2 Output
Fixed Wattage Remote Drivers for Type C LED Tubes																	
72	63126	25841142	LED36T8/DR/D2L	120-277 VAC	10	9.5	1.7	1.2	60	>0.9	26-34 VDC	1.06x2	-4° F	104° F	Yes	36W	Max. 2 Tubes: Class 2 Output

LumenChoice® + SpectraChoice™ T8 Type C LED Tube and Driver System – 15-36W Driver

Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	Selectable Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ^{®4}	Location Rating ³	Initial Lumens at Driver Settings:				
												15W	21W	25W	30W	36W
LumenChoice® + SpectraChoice™ 8 ft T8 Glass Tube - Selectable CCT																
T8	Fa8	93324925	-	LEDT8/LC/G/8/8SC	10	96	3000K	80	70,000	-	Damp	1950	2700	3100	3700	4600
							3500K					2050	2800	3200	3800	4600
							4000K*					2100	2850	3250	3850	4650
							5000K					2050	2800	3200	3800	4600

8ft T8 Type C LED Tube and Driver System – 15-36W Driver

Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	Selectable Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ^{®4}	Location Rating ³	Initial Lumens at Driver Settings:				
												15W	21W	25W	30W	36W
8 ft T8 Glass Tubes – Fixed CCT																
T8	Fa8	62327	25841139	LED36T8/G/8/835	20	96	3500K	80	50,000	-	Damp	1900	2650	3100	3700	4400
	Fa8	62329	25841140	LED36T8/G/8/840	20	96	4000K	80	50,000	-	Damp	1900	2650	3100	3700	4400
	Fa8	62349	25841141	LED36T8/G/8/850	20	96	4000K	80	50,000	-	Damp	1900	2650	3100	3700	4400

8ft T8 Type C LED Tube and Driver System – T8 on 36W Driver

Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ^{®4}	Location Rating ³	Input Watts per Lamp	Lumens (Initial)	2-Lamp 36W Driver
8 ft T8 Glass Tubes - Fixed CCT														
T8	Fa8	62327	25841139	LED36T8/G/8/835	20	96	3500K	80	50,000	Yes	Damp	36	4400	63126 LED36T8/DR/D2L
	Fa8	62329	25841140	LED36T8/G/8/840	20	96	4000K	80	50,000	Yes	Damp	36	4400	63126 LED36T8/DR/D2L
	Fa8	62349	25841141	LED36T8/G/8/850	20	96	4000K	80	50,000	Yes	Damp	36	4400	63126 LED36T8/DR/D2L

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

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LED Lamps – Tubes – Type C

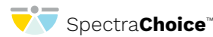


Remote Drivers for Type C LED Tubes

Input Watts (Max.)	Order Code	GBID	Description	Input Voltage	Carton Qty ²	Length (in)	Width (in)	Height (in)	Freq. (Hz)	Power Factor	Output Voltage	Max. Output Current (A)	Min. Temp. ¹	Max. Temp.	0-10V Dimmable	Default Wattage per Tube Setting	Additional Information
LumenChoice® Remote Drivers - Selectable Output for Type C LED Tubes (6-18W Range)																	
36	93313132	-	LED/6-18/DR/D2L	120-347 VAC	10	9.5	1.3	1.2	60	>0.9	26-34 VDC	0.53x2	-4° F	104° F	Yes	12W	Max. 2 Tubes: Class 2 Output
72	93313181	-	LED/6-18/DR/D4L	120-347 VAC	10	9.5	1.7	1.2	60	>0.9	26-34 VDC	0.53x4	-4° F	104° F	Yes	12W	Max. 4 Tubes: Class 2 Output
LumenChoice® Remote Drivers - Selectable Output for Type C LED Tubes (8-16.5W Range)																	
66	21379	26349756	LED/DR/D4L/LW	120-277 VAC	10	9.5	1.7	1.2	60	>0.9	26-34 VDC	0.48x4	-4° F	104° F	Yes	12W	Max. 4 Tubes; Class 2 Output

U1/U6 Adjustable Lamp

Lamps ship 15 per carton with U 1-5/8" tube spacing to minimize carton size

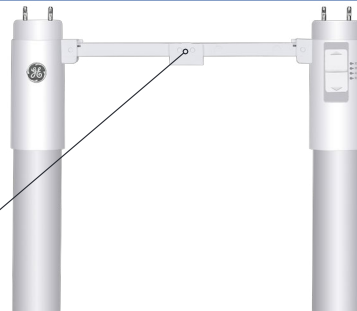


Select color temperature using built-in switch.

U 1-5/8" closed position

Two Lamps in One

Easily transform the U 1-5/8" out of the box into a U 6" lamp by pulling apart the tubes, allowing the hinged frames to fully extend and snap into place.



Hinged frames fully extend and snap into place to transform the lamp into U 6" tube spacing

Out of the box: U 1-5/8" configuration



Pull tubes apart to transform the lamp from U 1-5/8" tube spacing to the U 6" tube spacing



U 6" configuration with hinged frames fully extended



LumenChoice® + SpectraChoice™ T8 Type C LED Tube and Driver System - 6-18W Driver

Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	Selectable Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ^{®4}	Location Rating ³	Initial Lumens at Driver Settings:				
												6W	9W	12W	15W	18W
LumenChoice® + SpectraChoice™ U1/U6 Adjustable Glass Tube - Selectable CCT																
T8	G13	93324924	-	LEDT8/LC/U/U6/8SC	15	22.6	3000K	80	70,000	-	Damp	900	1350	1800	2150	2500
							3500K					900	1400	1850	2200	2550
							4000K*					950	1450	1900	2250	2600
							5000K					950	1450	1900	2250	2600

LumenChoice® T8 Type C LED Tube and Driver System - 6-18W Driver

Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ^{®4}	Location Rating ³	Initial Lumens at Driver Settings:				
												6W	9W	12W	15W	18W
LumenChoice® U1 T8 T8 Glass Tubes - 1-5/8" leg spacing - Fixed CCT																
T8-U1	2G13	28084	25807380	LED14T8/U/835	15	22.5	3500K	80	50,000	-	Damp	750	1100	1550		
	2G13	28164	25807381	LED14T8/U/840	15	22.5	4000K	80	50,000	-	Damp	750	1100	1550		
LumenChoice® U6 T8 Glass Tubes - 6" leg spacing - Fixed CCT																
T8-U6	2G13	43131	25843354	LED15T8/G/U6/830	12	22.5	3000K	80	50,000	-	Damp	700	1050	1450	1700	
	2G13	43135	25818642	LED15T8/G/U6/835	12	22.5	3500K	80	50,000	-	Damp	750	1100	1550	1800	
	2G13	43143	25843355	LED15T8/G/U6/840	12	22.5	4000K	80	50,000	-	Damp	750	1100	1550	1800	
	2G13	43145	25843356	LED15T8/G/U6/850	12	22.5	5000K	80	50,000	-	Damp	750	1100	1550	1800	

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity - Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

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LED Lamps – Tubes – Type C



Remote Drivers for Type C LED Tubes

Input Watts (Max.)	Order Code	GBID	Description	Input Voltage	Carton Qty ²	Length (in)	Width (in)	Height (in)	Freq. (Hz)	Power Factor	Output Voltage	Max. Output Current (A)	Min. Temp. ¹	Max. Temp.	0-10V Dimmable	Default Wattage per Tube Setting	Additional Information
LumenChoice® Remote Drivers - Selectable Output for Type C LED Tubes (6-18W Range)																	
36	93313132	-	LED/6-18/DR/D2L	120-347 VAC	10	9.5	1.3	1.2	60	>0.9	26-34 VDC	0.53x2	-4° F	104° F	Yes	12W	Max. 2 Tubes: Class 2 Output
72	93313181	-	LED/6-18/DR/D4L	120-347 VAC	10	9.5	1.7	1.2	60	>0.9	26-34 VDC	0.53x4	-4° F	104° F	Yes	12W	Max. 4 Tubes: Class 2 Output
72	93324881	-	LED/15-36/DR/D2L	120-347 VAC	10	9.5	1.7	1.2	60	>0.9	26-34 VDC	1.06x2	-4° F	104° F	Yes	36W	Max. 2 Tubes: Class 2 Output
LumenChoice® Remote Drivers - Selectable Output for Type C LED Tubes (8-16.5W Range)																	
66	21379	26349756	LED/DR/D4L/LW	120-277 VAC	10	9.5	1.7	1.2	60	>0.9	26-34 VDC	0.48x4	-4° F	104° F	Yes	12W	Max. 4 Tubes; Class 2 Output

LumenChoice® + SpectraChoice™ T5 Type C LED Tube and Driver System - 6-18W Driver

Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty²	MOL (in)	Selectable Color Temp. (Initial)	CRI	Rated Life L70 (Hrs)¹	DLC³⁴	Location Rating³	Initial Lumens at Driver Settings:				
												6W	9W	12W	15W	18W
LumenChoice® + SpectraChoice™ 4 ft T5 Glass Tube - Selectable CCT																
T5	G5	93323642	-	LEDT5/LC/G/4/8SC	20	46	3500K 4000K* 5000K	80	70,000	-	Damp	1100 1150 1150	1600 1650 1650	2050 2100 2100	2450 2500 2500	2900 2950 2950
LumenChoice® + SpectraChoice™ 3 ft T5 Glass Tube - Selectable CCT																
T5	G5	93323644	-	LEDT5/LC/G/3/8SC	20	34	3500K 4000K* 5000K	80	70,000	-	Damp	900 950 950	1300 1350 1350	1650 1700 1700	2000 2050 2050	2300 2350 2350
LumenChoice® + SpectraChoice™ 2 ft T5 Glass Tube - Selectable CCT																
T5	G5	93323646	-	LEDT5/LC/G/2/8SC	20	22	3500K 4000K* 5000K	80	70,000	-	Damp	800 850 850	1200 1250 1250	1550 1600 1600	1800 1850 1850	2100 2150 2150

LumenChoice® T5 Type C LED Tube and Driver System - 6-18W Driver

Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ^{3,4}	Location Rating ³	Initial Lumens at Driver Settings:				
												6W	9W	12W	15W	18W
LumenChoice® 4 ft T5 XL Glass Tubes - Fixed CCT																
T5	G5	93314792	-	LEDT5/LC/G/4/835XL	20	46	3500K	80	70,000	Yes	Damp	1150	1700	2150	2650	3050
	G5	93314794	-	LEDT5/LC/G/4/840XL	20	46	4000K	80	70,000	Yes	Damp	1200	1750	2200	2700	3100
	G5	93314796	-	LEDT5/LC/G/4/850XL	20	46	5000K	80	70,000	Yes	Damp	1200	1750	2200	2700	3100
LumenChoice® 3 ft T5 HE Glass Tubes - Fixed CCT																
T5	G5	39002	26415809	LEDT5LC/G3/840HE	20	34	4000K	80	70,000	-	Damp	900	1300	1650	2000	2300
LumenChoice® 2 ft T5 Glass Tubes - Fixed CCT																
T5	G5	38968	26415792	LEDT5/LC/G/2/830	20	22	3000K	80	70,000	-	Damp	800	1200	1550	1800	2150
	G5	38983	26415794	LEDT5/LC/G/2/840	20	22	4000K	80	70,000	-	Damp	850	1250	1650	1900	2200

LumenChoice® + SpectraChoice™ T5 Type C LED Tube and Driver System - 15-36W Driver

Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	Selectable Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ^{3,4}	Location Rating ³	Initial Lumens at Driver Settings:					
												15W	21W	25W	30W	36W	
LumenChoice® + SpectraChoice™ 4 ft T5 Glass Tube - Selectable CCT																	
T5	G5	93323642	-	LEDT5/LC/G/4/8SC	20	46	3500K 4000K* 5000K	80	70,000	-	Damp	2450 2500 2500	3400 3500 3500	3950 4050 4050	4650 4750 4750		

LumenChoice® T5 Type C LED Tube and Driver System - 15-36W Driver

Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	DLC ^{3,4}	Location Rating ³	Initial Lumens at Driver Settings:				
												15W	21W	25W	30W	36W
LumenChoice® 4 ft T5 XL Glass Tubes - Fixed CCT																
T5	G5	93314792	-	LEDT5/LC/G/4/835XL	20	46	3500K	80	70,000	-	Damp	2650	3500	4100	4800	5500
	G5	93314794	-	LEDT5/LC/G/4/840XL	20	46	4000K	80	70,000	-	Damp	2700	3500	4100	4800	5500
	G5	93314796	-	LEDT5/LC/G/4/850XL	20	46	5000K	80	70,000	-	Damp	2700	3500	4100	4800	5500

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

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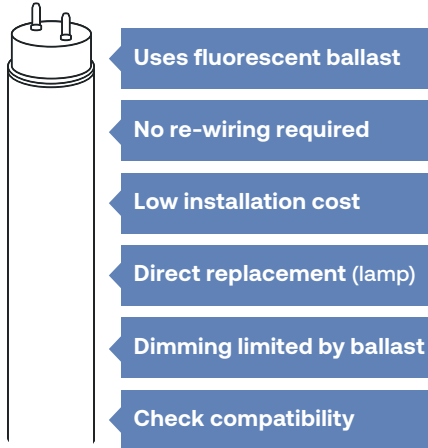
Please note Current lamps are not for sale for use in Yukon Territory in Canada

Emergency Battery Backup Solutions for LED Tubes

When the unexpected occurs during an emergency, you need a reliable partner you can trust. Current offers a comprehensive portfolio of LED Tubes and Emergency Battery Backup (EMBB) packs and inverters to ensure you have light when you need it most.

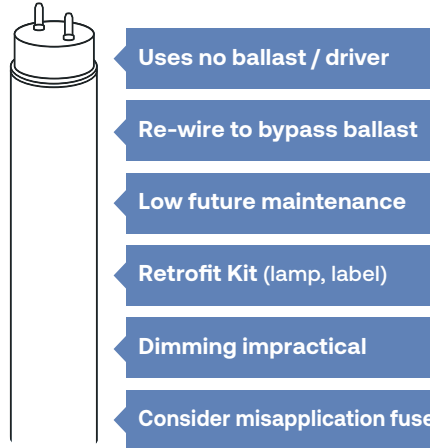
Ballast Compatible (UL Type A)

Easy Plug & Play



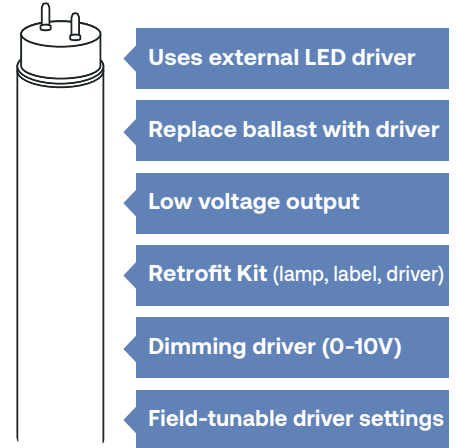
Ballast Bypass (UL Type B)

Simple Long-Term Solution



External LED Driver (UL Type C)

Robust & Flexible System



Ballast Compatible (Type A) LED Tubes and Dual-Lite UFO-6W Emergency Battery Packs

All UFO-6W emergency battery packs work in conjunction with a fluorescent fixture's normal AC ballast to convert new or existing fluorescent fixtures with LED Tubes for emergency lighting operation, eliminating the need to install additional emergency lighting units.



LED Tubes Family Page
Type A LED Tubes Specification Sheet
Type A LED Tubes Installation Instructions



93063960, UFO-6W

Dual-Lite UFO-6W Product Page
LAMPK® UFO-6W Specification Sheet
LAMPK® UFO-6W Installation Instructions



Features & Benefits:

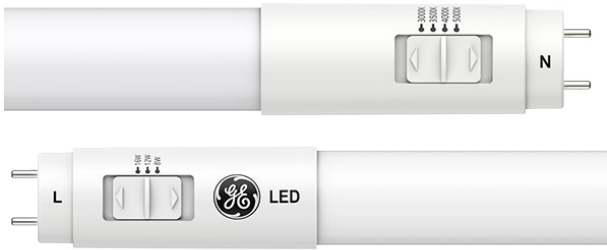
- Compatible with electronic, standard and magnetic, energy saving, and dimming AC ballasts
- Easy installation with versatile mounting capability inside of ballast channel, on top of or remote from fixture
- Operates one or two lamps in emergency mode
- Can be used with switched or unswitched lighting fixtures
- Test switch and LED charge indicator light supplied standard
- Low power consumption provides emergency lighting for a minimum of 90 minutes
- In-fixture or remote installation up to 50 feet

LED Lamps – Tubes – EMBB Solutions



Ballast Bypass (Type B) LED Tubes and Compass CPL25 Emergency Battery Pack Inverter

The Compass CPL25 is a 25 Watt LED battery pack that maintains 90 minutes of full lumen output.



LED Tubes Family Page
Type B LED Tubes Specification Sheet
Type B LED Tubes Installation Instructions



93104398, CPL25

Compass CPL25 Product Page
Compass CPL25 Specification Sheet
Compass CPL25 Installation Instructions



Features & Benefits:

- 90 minutes of full lumen output
- Compatible with Switched and Unswitched Loads
- Full Battery Recharge in 32 hours after complete discharge
- Auto-Select 120/277VAC Input/Output
- Damp Location Listed (20°C - 40°C)
- Remote Test Switch included standard

There are other emergency inverters on the market that provide 120-277VAC that can also work. “Micro inverter” is a commonly used term for these relative low wattage devices.

External LED Driver (Type C) LED Tubes and Dual-Lite PowerLED Plus (PLD10+ / PLD10M+) Emergency Battery Packs

Intelligent 2-wire (120/277V) emergency LED battery packs operate an AC LED driver to allow an LED lighting load to be used in both normal and emergency operation.



LED Tubes Family Page
Type C LED Tubes Specification Sheet
Type C LED Tubes Installation Instructions



93314264, PLD10+
93315117, PLD10+I



93314267, PLD10M+
93315118, PLD10M+I

Dual-Lite PLD10M+ Product Page
Dual-Lite PLD10M+ Specification Sheet
Dual-Lite PLD10M+ Installation Instructions

Dual-Lite PLD10+ Product Page
Dual-Lite PLD10+ Specification Sheet
Dual-Lite PLD10+ Installation Instructions

Features & Benefits:

- Provides a minimum of 90 minutes of emergency lighting
- Can be used with normally-on, normally-off or switched fixtures
- Constant 10W design provides emergency lighting without loss of lumen output
- Auto-sensing output voltage throughout full Vf range of 20-56V
- Electronic AC lockout and low voltage disconnect (LVD) circuit
- 2-wire test switch and LED charging indicator supplied standard and optional Remote Test Switch / Charge Indicator
- Optional Spectron® self-diagnostics/self-testing



LED Lamps - HID

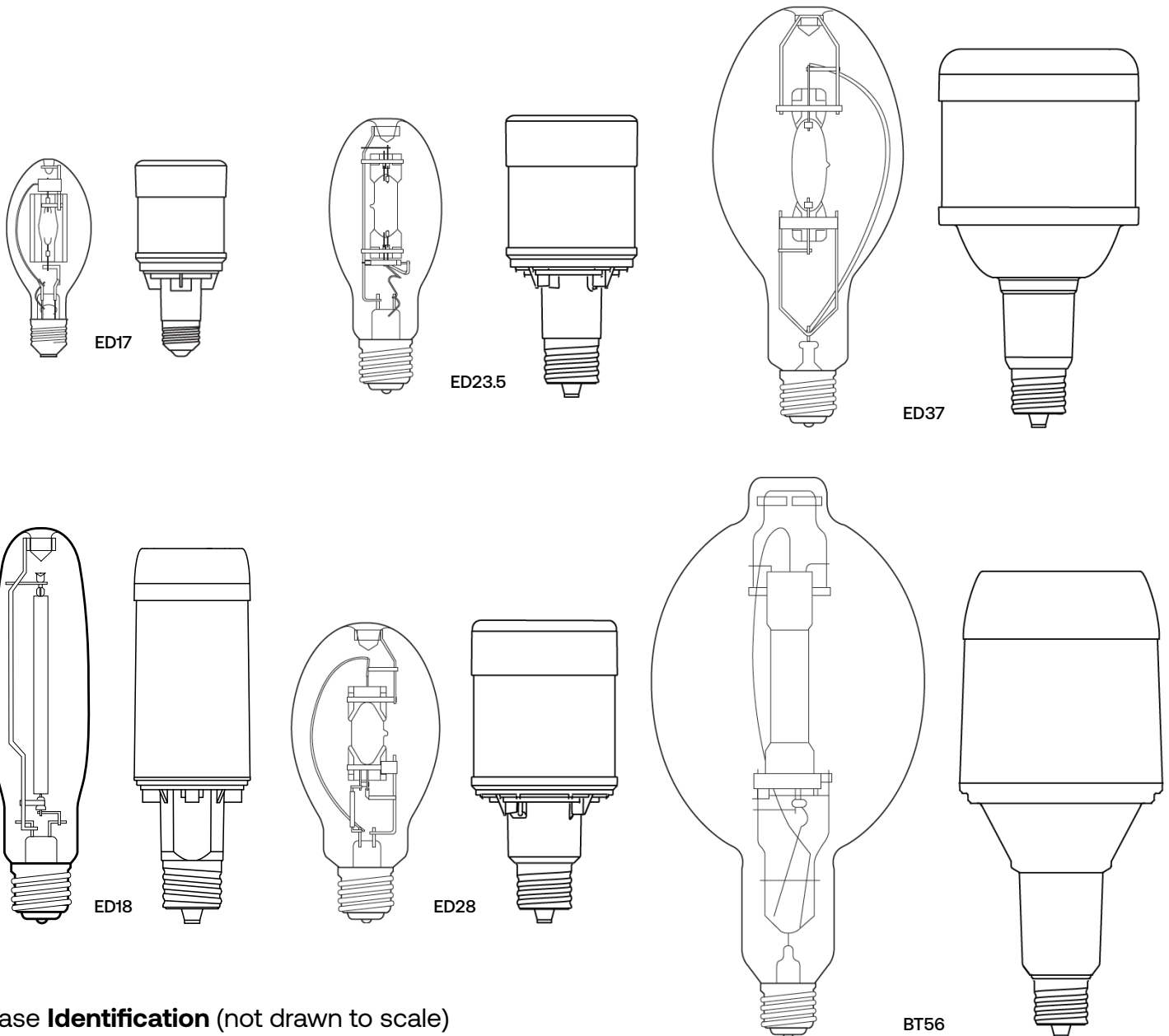


LED Lamps - HID



GE LED lamps for HID replacement utilize a proprietary design with active cooling, which allows for high output from a compact size. The length and diameter match HID ANSI profiles. These lamps feature omnidirectional light output, with similar distribution to traditional HID lamps. This enables GE LED lamps to fit in a variety of fixtures while providing equivalent light levels to HID. All of the GE LED lamps in this category are Type B, which means the fixture is re-wired to bypass the ballast.

Lamp **Drawings** (not drawn to scale)



Base **Identification** (not drawn to scale)



LED Lamps - HID



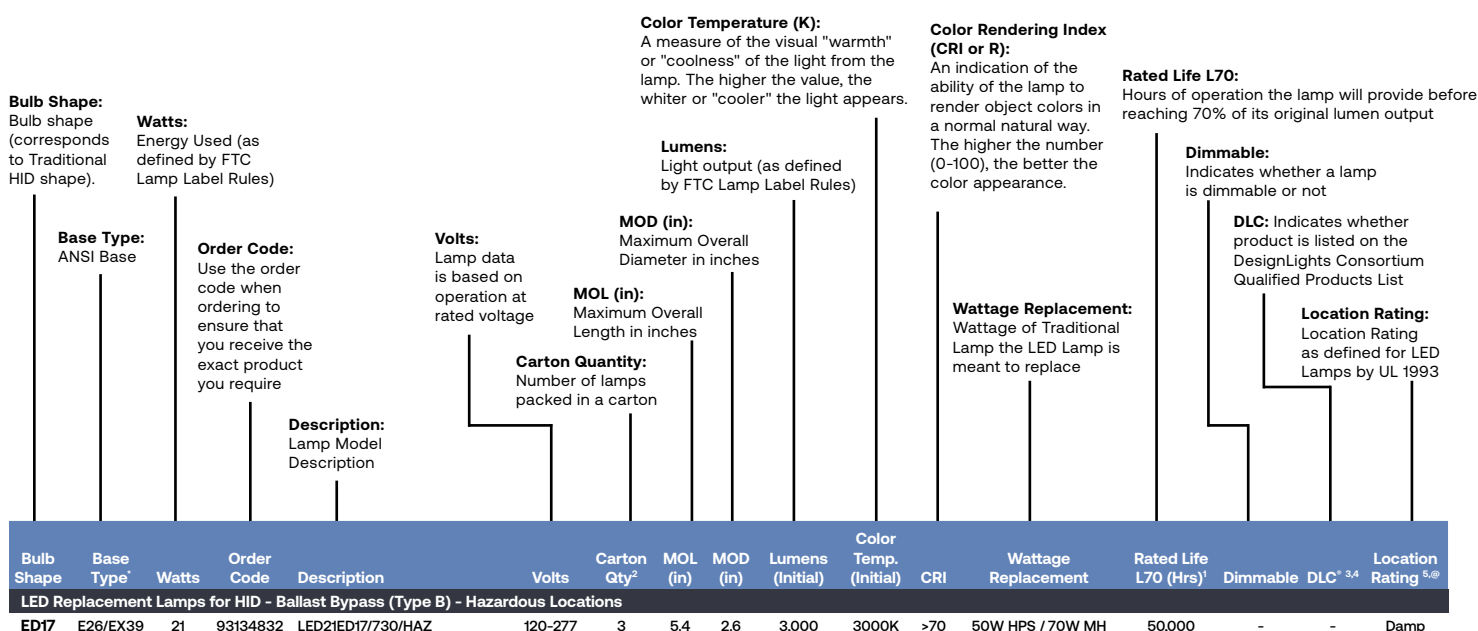
LED Lamps - HID Portfolio Snapshot



Profile		ED17	ED23.5	ED28	ED18		ED37	BT56
Base		E26/EX39 Adapter	E26/EX39 Adapter EX39	EX39	EX39		EX39	EX39
Active Cooling LED HID Lamps	Voltage	120-277 120-347	120-277 277-480	120-277 277-480	277-480	120-277 277-480	208-277 277-480	208-277 277-480
	Wattage	21W - 45W	50W - 80W	73W - 125W (UXL) 90W - 150W	120W	180W	210W - 330W (UXL) 200W - 450W	520W
	Lumens	3,400 - 7,000	7,500 - 12,500	14,000 - 23,500	20,000	30,000	35,000 - 68,000	106,000
	NEMA MH Equivalent	70W - 175W	150W - 250W	250W - 400W	360W	400W	400W - 1000W	1500W
	NEMA HPS Equivalent	50W - 100W	100W - 150W	200W - 310W	250W	400W	400W - 750W	1000W
	Hazardous Location	21W, 35W, 45W	80W	150W				
Passive Cooling LED HID Lamps	Voltage	120-347	120-277	120-277				
	Wattage	13W - 25W	32W - 46W	46W - 70W				
	Lumens	2,300 - 4,000	5,000 - 7,500	8,400 - 12,000				
	NEMA MH Equivalent	50W - 70W	150W - 175W	150W - 250W				
	NEMA HPS Equivalent	35W - 70W	70W - 100W	100W - 150W				

*Refer to subsequent pages for full product specifications including selectable options

Catalog Logic:



LED21ED17/730/HAZ

Wattage Bulb Shape CRI (7 = 70) CCT (30 = 3000K) Hazardous Locations

NEMA LED HID Wattage Equivalency

The National Electrical Manufacturers Association (NEMA) has published NEMA LS 20037-2024 (formerly NEMA LL 10-2020) Replacing HID Lamps with LED Lamps: Light Output Equivalency Claims. Current uses this Standard for LED products replacing HID lamps, meeting or exceeding the minimum LED light output for equivalency claims. The LED wattage equivalency varies based on the type of HID lamp being replaced – Metal Halide (MH) or High Pressure Sodium (HPS).

Metal Halide Lamp Wattage (W)	Metal Halide Initial Light Output (lm)	Minimum LED Lamp Initial Light Output (lm)	Current LED Ordinary Location Retrofit Lamps Active Cooling	Current LED Selectable Ordinary Location Retrofit Lamps Active Cooling	Current LED Selectable Ordinary Location Retrofit Lamps Passive Cooling	Current LED Hazardous Location Retrofit Lamps Active Cooling
50	3,200	2,000	LED21ED17	LED/LC/ED17	LED/LC/ED17P	LED21ED17/HAZ
70	5,200	3,000	LED21ED17	LED/LC/ED17	LED/LC/ED17P	LED21ED17/HAZ
100	8,100	5,000	LED35ED17; LED45ED17	LED/LC/ED17		LED35ED17/HAZ; LED45ED17/HAZ
150	12,000	7,500	LED50ED23.5	LED/LC/ED23.5	LED/LC/ED23.5P; LED/LC/ED28P	
175	11,000	7,000	LED45ED17; LED50ED23.5	LED/LC/ED17; LED/LC/ED23.5	LED/LC/ED23.5P; LED/LC/ED28P	
250	19,100	12,000	LED80ED23.5	LED/LC/ED23.5	LED/LC/ED28P	LED80ED23.5/HAZ
320	25,600	16,500	LED115ED28	LED/LC/ED28		
350	28,400	18,000	LED115ED28	LED/LC/ED28		
360	29,400	19,000	LED150ED28; LED120ED18	LED/LC/ED28		LED150ED28/HAZ
400	33,100	21,500	LED150ED28; LED180ED18	LED/LC/ED28; LED/LC/ED37		LED150ED28/HAZ
750	72,300	46,500	LED360ED37	LED/LC/ED37		
1,000	100,280	65,000	LED450BT56; LED470BT56	LED/LC/ED37		
1,500	153,000	99,450	LED520BT56			

HPS Lamp Wattage (W)	HPS Initial Light Output (lm)	Minimum LED Lamp Initial Light Output (lm)	Current LED Ordinary Location Retrofit Lamps Active Cooling	Current LED Selectable Ordinary Location Retrofit Lamps Active Cooling	Current LED Selectable Ordinary Location Retrofit Lamps Passive Cooling	Current LED Hazardous Location Retrofit Lamps Active Cooling
50	4,500	2,500	LED21ED17	LED/LC/ED17	LED/LC/ED17P	LED21ED17/HAZ
70	6,300	4,000	LED35ED17	LED/LC/ED17	LED/LC/ED17P	LED35ED17/HAZ
100	9,500	6,000	LED45ED17; LED50ED23.5	LED/LC/ED17; LED/LC/ED23.5	LED/LC/ED23.5P; LED/LC/ED28P	LED45ED17/HAZ
150	13,000	8,500	LED80ED23.5	LED/LC/ED23.5	LED/LC/ED28P	LED80ED23.5/HAZ
200	19,500	12,500		LED/LC/ED23.5		
250	26,000	17,000	LED115ED28; LED120ED18	LED/LC/ED28		
310	33,200	21,500	LED150ED28	LED/LC/ED28		LED150ED28/HAZ
400	44,000	29,000	LED180ED18; LED270BT56	LED/LC/ED37		
600	66,000	42,500	LED360ED37	LED/LC/ED37		
750	82,500	53,500	LED450BT56	LED/LC/ED37		
1,000	110,000	73,000	LED470BT56; LED520BT56			

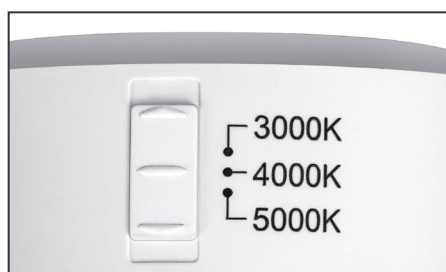
Current offers unmatched flexibility in a **HID LED Replacement Lamp**.
Select wattage and color temperature at the flick of a switch.

LumenChoice® + SpectraChoice™ ED17, ED23.5 and ED28 lamps maximize the potential to reduce inventory and streamline product lists. These lamps allow installers to react to a wide variety of needs, providing the ability to adjust both the color temperature of the light and the brightness. Utilizing proprietary active cooling technology, Selectable LED HID lamps still match the length and diameter of the HID ANSI profile, so size isn't an issue when trying to fit these lamps into existing fixtures.

But what about when it's known a site prefers a specific color temperature? Selectable LumenChoice® ED37 replacement lamps provide a single color temperature SKU with lumen level selectability to ensure that you always have the perfect amount of light for any space at your site.



Select wattage (lumens)
using built-in switch.



Select color temperature
using built-in switch.



Even more versatility

Each E26 lamp comes with a mogul base adapter.
Lamps may be used in E26 or E39/EX39 sockets.



Selectable LumenChoice® + SpectraChoice™ HID Replacement – Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp. (Initial)*	Wattage Replacement ⁷	Rated Life L70 (Hrs) ¹	DLC* ID ^{3,4}	Location Rating ^{5,6}	
LED Replacement Lamp for HID - Ballast Bypass (Type B)																
ED17	E26/EX39	93303384	26613067	LED/LC/ED17/7SC	120-277	3	5.4	2.6	21 35* 45	3,400 5,500* 7,000	3000K 4000K* 5000K	50W HPS / 70W MH 70W HPS / 100W MH 100W HPS / 175W MH	>70	50,000	-	Damp
	E26/EX39	93314526	-	LED/LC/ED17/7SC/120-347	120-347	3	5.4	2.6	21 35* 45	3,400 5,500* 7,000	3000K 4000K* 5000K	50W HPS / 70W MH 70W HPS / 100W MH 100W HPS / 175W MH	>70	50,000	-	Damp
ED23.5	E26/EX39	93312104	26687369	LED/LC/ED23.5M/7SC	120-277	3	7.8	3.7	50 65 80*	8,200 10,500 12,500*	3000K 4000K 5000K*	100W HPS / 150W MH 150W HPS / 150W MH 150W HPS / 250W MH	>70	50,000	-	Damp
	EX39	93312106	26687370	LED/LC/ED23.5/7SC	120-277	3	7.8	3.7	50 65 80*	8,200 10,500 12,500*	3000K 4000K 5000K*	100W HPS / 150W MH 150W HPS / 150W MH 150W HPS / 250W MH	>70	50,000	S-4V5NOG	Damp
	EX39	93314766	27006985	LED/LC/ED23.5/7SC/277-480	277-480	3	7.8	3.7	50 65 80*	8,200 10,500 12,500*	3000K 4000K 5000K*	100W HPS / 150W MH 150W HPS / 150W MH 150W HPS / 250W MH	>70	50,000	S-Y2WDPN / S-S2HLFY	Damp
	ED28	EX39	93312102	26687368	LED/LC/ED28/7SC	120-277	3	8.3	4.1	90 115 150*	14,000 18,000 23,500*	3000K 4000K 5000K*	200W HPS / 250W MH 250W HPS / 350W MH 310W HPS / 400W MH	>70	50,000	S-MB9GRL / S-NMTK94
	EX39	93314772	27001821	LED/LC/ED28/7SC/277-480	277-480	3	8.3	4.1	90 115 150*	14,000 18,000 23,500*	3000K 4000K 5000K*	200W HPS / 250W MH 250W HPS / 350W MH 310W HPS / 400W MH	>70	50,000	S-WWN1WP / S-3WC1C9	Damp

Selectable LumenChoice® HID Replacement – Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Color Temp. (Initial)	Wattage Replacement ⁷	Rated Life L70 (Hrs) ¹	DLC* ID ^{3,4}	Location Rating ^{5,6}	
LED Replacement Lamp for HID - Ballast Bypass (Type B)																
ED37	EX39	93321818	-	LED/LC/ED37/740/208-277	208-277	3	11.3	5.6	200 325 450*	35,000 53,500 68,000*	4000K	400W HPS / 400W MH 750W HPS / 750W MH 750W HPS / 1000W MH	>70	50,000	S-TQ7WXV	Damp
	EX39	93311586	26687367	LED/LC/ED37/740	277-480	3	11.3	5.6	200 325 450*	35,000 53,500 68,000*	4000K	400W HPS / 400W MH 750W HPS / 750W MH 750W HPS / 1000W MH	>70	50,000	S-ZZMLJT	Damp
EX39	93321820	-	LED/LC/ED37/750/208-277	208-277	3	11.3	5.6	200 325 450*	35,000 53,500 68,000*	5000K	400W HPS / 400W MH 750W HPS / 750W MH 750W HPS / 1000W MH	>70	50,000	S-T4ZBKX	Damp	
	EX39	93311587	26684730	LED/LC/ED37/750	277-480	3	11.3	5.6	200 325 450*	35,000 53,500 68,000*	5000K	400W HPS / 400W MH 750W HPS / 750W MH 750W HPS / 1000W MH	>70	50,000	S-25L41Q	Damp

Warm Selectable LumenChoice® + SpectraChoice™ HID Replacement – Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp. (Initial)*	Wattage Replacement ⁷	CRI	Rated Life L70 (Hrs) ¹	DLC ^{3,4}	Location Rating ^{5,6}
LED Replacement Lamp for HID - Ballast Bypass (Type B)																
ED17	E26/EX39	93315986	26729267	LED/LC/ED17/7WSC/120-347	120-347	3	5.4	2.6	35*	2,450	1800K	35W HPS / 50W MH	>70	50,000	-	Damp
										3,000	2200K	35W HPS / 50W MH				
										3,300	2700K	50W HPS / 50W MH				
										3,950	1800K	35W HPS / 50W MH				
										4,900*	2200K*	50W HPS / 70W MH				
									45	5,350	2700K	70W HPS / 70W MH				
										4,900	1800K	50W HPS / 70W MH				
										6,200	2200K	70W HPS / 70W MH				
										6,650	2700K	70W HPS / 100W MH				

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = 1

³ E26 based products are not eligible for DLC. Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

⁴ Do not use with phase-cut dimmers. Dimming functions only with external Variac control devices.

⁵ UL 1993 Environmental Requirements for LED LAMPS

⁶ Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁷ Not suitable for air-tight explosive or hazardous fixtures.

⁸ Wattage Replacement levels correspond with wattage levels. Wattage Replacements based on NEMA Standards Publication LL 10-2020 *Replacing HID Lamps with LED Lamps: Light Output Equivalency Claims*.

* Default wattage and color temperature settings noted by "*" in tables above.

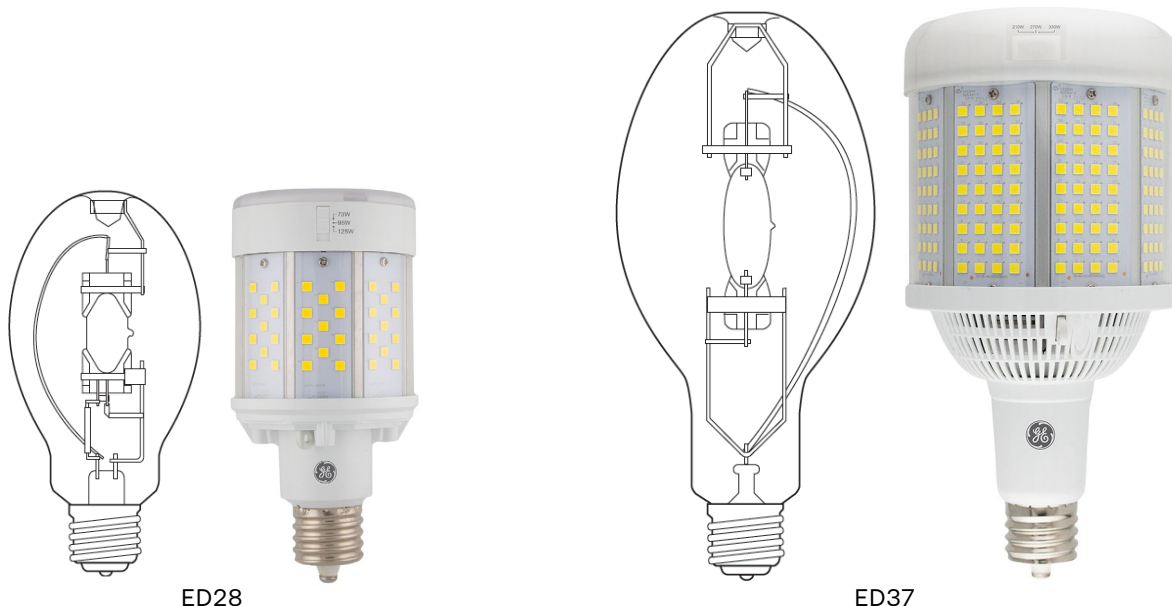
Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – HID



Leading the way in **energy savings** for HID replacements

Incorporating state-of-the-art active cooling and LEDs, GE UXL LED Lamps provide maximum energy savings and utility rebate potential for key HID wattages. The UXL ED37 lamps provide up to 65,000 lumens, achieving 1000W Metal Halide equivalency, while using only 330 Watts – a 27% savings vs. other 1000W replacements at 450 Watts. The UXL ED28 lamps provide up to 23,500 lumens, achieving 400W Metal Halide equivalency, while using only 125 Watts – a 17% savings vs. other 400W replacements at 150 Watts. UXL lamps feature three wattage levels that may be selected using a built-in switch, offering the chance to save even more energy instantly if an application allows for lower light levels. The lamp shapes adhere to the maximum ANSI length and diameter of the traditional HID lamps they are meant to replace, just like other GE LED lamps, while setting a new standard for lumens per watt.



Selectable LumenChoice® UXL HID Replacement – Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Color Temp. (Initial)	Wattage Replacement ⁷	Rated Life L70 (Hrs) ¹	CRI	DLC ³ ID ^{3,4}	Location Rating ^{5,6}
LED Replacement Lamp for HID – Ballast Bypass (Type B)																
ED28	EX39	93324112	-	LED/LC/ED28/740UXL	120-277	3	8.3	4.1	73	14,000	4000K	200W HPS / 250W MH 250W HPS / 350W MH 310W HPS / 400W MH	>70	50,000	-	Damp
									95	18,000	5000K					
EX39	93324118	-	LED/LC/ED28/750UXL	120-277	3	8.3	4.1	4.1	73	14,000	4000K	200W HPS / 250W MH 250W HPS / 350W MH 310W HPS / 400W MH	>70	50,000	-	Damp
									95	18,000	5000K					
ED37	EX39	93324104	-	LED/LC/ED37/740UXL	277-480	3	11.3	5.6	210	42,000	4000K	400W HPS / 400W MH 750W HPS / 750W MH 750W HPS / 1000W MH	>70	50,000	-	Damp
									270	53,500	5000K					
EX39	93324106	-	LED/LC/ED37/750UXL	277-480	3	11.3	5.6	5.6	210	42,000	4000K	400W HPS / 400W MH 750W HPS / 750W MH 750W HPS / 1000W MH	>70	50,000	-	Damp
									270	53,500	5000K					

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = 1

³ Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

⁴ Do not use with phase-cut dimmers. Dimming functions only with external Variac control devices.

⁵ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁶ Not suitable for air-tight explosive or hazardous fixtures.

⁷ Wattage Replacement levels correspond with wattage levels. Wattage Replacements based on NEMA Standards Publication LL 10-2020 *Replacing HID Lamps with LED Lamps: Light Output Equivalency Claims*.

* Default wattage and color temperature settings noted by "*" in tables above.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

Unmatched lumen output from an LED lamp

GE LED High Output BT56 lamps provide industry-leading lumen output, making it possible to upgrade more applications to LED without replacing the entire fixture. GE lamps adhere to the BT56 ANSI profile for length and diameter to ensure that they will fit into existing fixture applications and utilize the existing optics. The existing fixture is wired to bypass the ballast, which reduces energy use and eliminates the need to check ballast compatibility. Benefits of retrofitting to the HO BT56 lamps include energy savings, with up to a 68% reduction in wattage, and maintenance savings due to the longevity of the LED HID lamps (50,000 hours vs. 3,000 hours for a typical 1500W Metal Halide). Target markets for these lamps are Parks and Recreation sports lighting and high mast applications.



High Output BT56 HID Replacement

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Lumens (Initial)	Color Temp.	CRI	Wattage Replacement ⁶	Rated Life L70 (Hrs) ¹	DLC ^{4,5}	Location Rating ³
LED Replacement Lamp for HID - Ballast Bypass (Type B)																
BT56	EX39	470	93303389	26640428	LED470BT56/740	277-480	3	12.8	5.6	85,000	4000K	>70	1000W HPS/1000W MH	50,000	S-E56HRP	Damp, Enclosed
	EX39	520	93320138	-	LED520BT56/740/208-277	208-277	3	12.8	5.6	106,000	4000K	>70	1000W HPS/1500W MH	50,000	S-8J5CHR	Damp, Enclosed
	EX39	520	93320144	-	LED520BT56/750/208-277	208-277	3	12.8	5.6	106,000	5000K	>70	1000W HPS/1500W MH	50,000	S-7CHFWS	Damp, Enclosed
	EX39	520	93322984	-	LED520BT56/740/277-480	277-480	3	12.8	5.6	106,000	4000K	>70	1000W HPS/1500W MH	50,000	S-RB19J3	Damp, Enclosed
	EX39	520	93322990	-	LED520BT56/750/277-480	277-480	3	12.8	5.6	106,000	5000K	>70	1000W HPS/1500W MH	50,000	S-MMD144	Damp, Enclosed

These products are covered by U.S. Patents 10788163 and 10508776. These products may also be covered by other U.S. patents or pending applications.

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity from Current = 1

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

⁵ Do not use with phase-cut dimmers. Dimming functions only with external Variac control devices.

⁶ Wattage Replacements based on NEMA Standards Publication LL 10-2020 *Replacing HID Lamps with LED Lamps: Light Output Equivalency Claims*.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

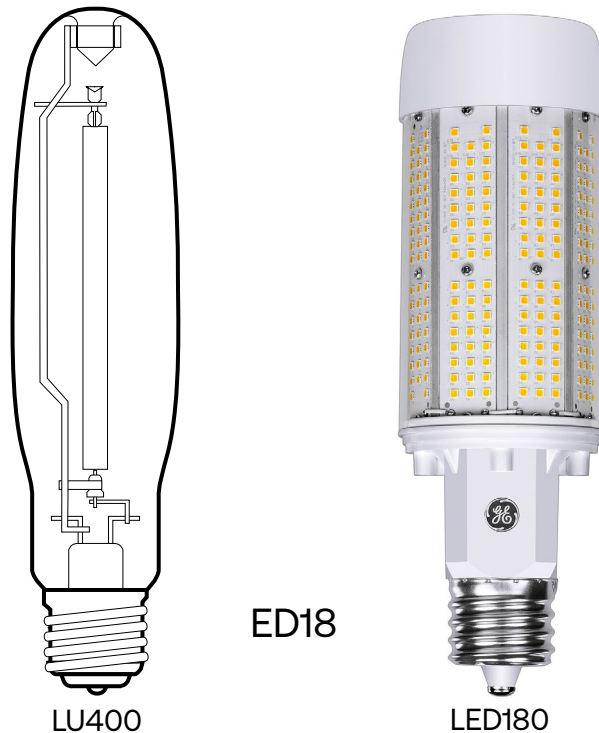
LED Lamps – HID



Current offers an industry-exclusive **400W LED HID Replacement in an ED18 Shape**.

GE LED lamps for HID replacement utilize a proprietary design with active cooling, which allows for high output from a compact size. The length and diameter match HID ANSI profiles. These lamps feature omnidirectional light output, with similar distribution to traditional HID lamps. This enables GE LED lamps to fit in a variety of fixtures while providing equivalent light levels to HID, making it possible to upgrade more applications to LED without replacing an entire fixture. All of the GE LED lamps in this category are Type B, which means the fixture is re-wired to bypass the ballast.

Lamp Drawings (not drawn to scale)



ED18 HID Replacement – Type B

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Lumens (Initial)	Color Temp.	CRI	Wattage Replacement ⁶	Rated Life L70 (Hrs) ¹	DLC ^{4,5}	Location Rating ³
LED Replacement Lamp for HID – Ballast Bypass (Type B)																
ED18	EX39	120	93320018	-	LED120ED18/730/277-480	277-480	3	9.7	3.0	20,000	3000K	>70	250W HPS/360W MH	50,000	S-47FGTZ	Damp
	EX39	120	93320024	-	LED120ED18/740/277-480	277-480	3	9.7	3.0	20,000	4000K	>70	250W HPS/360W MH	50,000	S-1NR1YH	Damp
	EX39	120	93320030	-	LED120ED18/750/277-480	277-480	3	9.7	3.0	20,000	5000K	>70	250W HPS/360W MH	50,000	S-MQFM9J	Damp
	EX39	180	93312096	26691039	LED180ED18/730	120-277	3	9.7	3.0	30,000	3000K	>70	400W HPS/400W MH	50,000	S-F26H3J	Damp
	EX39	180	93312098	26691040	LED180ED18/740	120-277	3	9.7	3.0	30,000	4000K	>70	400W HPS/400W MH	50,000	S-WN2HR8	Damp
	EX39	180	93312100	26691041	LED180ED18/750	120-277	3	9.7	3.0	30,000	5000K	>70	400W HPS/400W MH	50,000	S-BG0B87	Damp
	EX39	180	93323715	-	LED180ED18/722/277-480	277-480	3	9.7	3.0	26,000	2200K	>70	250W HPS/360W MH	50,000	-	Damp
	EX39	180	93320000	27016193	LED180ED18/730/277-480	277-480	3	9.7	3.0	30,000	3000K	>70	400W HPS/400W MH	50,000	S-LCDXR9	Damp
	EX39	180	93320006	-	LED180ED18/740/277-480	277-480	3	9.7	3.0	30,000	4000K	>70	400W HPS/400W MH	50,000	S-9792TD	Damp
	EX39	180	93320012	-	LED180ED18/750/277-480	277-480	3	9.7	3.0	30,000	5000K	>70	400W HPS/400W MH	50,000	S-HYQC7Z	Damp

These products are covered by U.S. Patents 10788163 and 10508776. These products may also be covered by other U.S. patents or pending applications.

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity from Current = 1

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

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⁵ Do not use with phase-cut dimmers. Dimming functions only with external Variac control devices.

⁶ Wattage Replacements based on NEMA Standards Publication LL 10-2020 *Replacing HID Lamps with LED Lamps: Light Output Equivalency Claims*.

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LED Lamps – HID



LED HID – Type B

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement ⁷	Rated Life L70 (Hrs) ¹	DLC ³ ID ^{3,4}	Location Rating ^{5,6}
LED Replacement Lamps for HID – Ballast Bypass (Type B)																
ED17	E26	21	27729	26048535	LED21ED17/740	120-277	3	5.4	2.6	3,400	4000K	>70	50W HPS / 70W MH	50,000	-	Damp
	E26	21	27732	26048536	LED21ED17/750	120-277	3	5.4	2.6	3,400	5000K	>70	50W HPS / 70W MH	50,000	-	Damp
	E26	35	9311214	26392087	LED35ED17/730	120-277	3	5.4	2.6	5,000	3000K	>70	70W HPS / 100W MH	50,000	-	Damp
	E26	35	27602	26048537	LED35ED17/740	120-277	3	5.4	2.6	5,000	4000K	>70	70W HPS / 100W MH	50,000	-	Damp
	E26	35	27724	26048538	LED35ED17/750	120-277	3	5.4	2.6	5,000	5000K	>70	70W HPS / 100W MH	50,000	-	Damp
	E26	45	93116975	26388137	LED45ED17/835	120-277	3	5.4	2.6	6,000	3500K	>70	100W HPS / 100W MH	50,000	-	Damp
	E26	45	93148082	26583851	LED45ED17/740	120-277	3	5.4	2.6	7,000	4000K	>70	100W HPS / 175W MH	50,000	-	Damp
ED23.5	E26	45	93148081	26583848	LED45ED17/750	120-277	3	5.4	2.6	7,000	5000K	>70	100W HPS / 175W MH	50,000	-	Damp
	E26	80	22768	25975679	LED80ED23.5M/740	120-277	3	7.8	3.7	12,000	4000K	>70	150W HPS / 250W MH	50,000	-	Damp
	E26	80	93125008	26508501	LED80ED23.5M/750	120-277	3	7.8	3.7	12,000	5000K	>70	150W HPS / 250W MH	50,000	-	Damp
	EX39	50	22679	26029879	LED50ED23.5/740	120-277	3	7.8	3.7	7,500	4000K	>70	100W HPS / 150W MH	50,000	P2LJ433Z	Damp
	EX39	50	22739	26028488	LED50ED23.5/750	120-277	3	7.8	3.7	7,500	5000K	>70	100W HPS / 150W MH	50,000	P9E7B4MB	Damp
	EX39	50	93154637	-	LED50ED23.5/740/277/480	277-480	3	7.8	3.7	7,500	4000K	>70	100W HPS / 150W MH	50,000	S-QSEC3A	Damp
	EX39	80	22635	25975680	LED80ED23.5/740	120-277	3	7.8	3.7	12,000	4000K	>70	150W HPS / 250W MH	50,000	PHJ4LA1W	Damp
	EX39	80	22676	26028487	LED80ED23.5/750	120-277	3	7.8	3.7	12,000	5000K	>70	150W HPS / 250W MH	50,000	PYL1MPL2	Damp
	EX39	80	93154642	26613274	LED80ED23.5/740/277/480	277-480	3	7.8	3.7	12,000	4000K	>70	150W HPS / 250W MH	50,000	S-TUGPZM	Damp
	EX39	80	93154640	26633967	LED80ED23.5/750/277/480	277-480	3	7.8	3.7	12,000	5000K	>70	150W HPS / 250W MH	50,000	S-1FJ4CK	Damp
ED28	EX39	115	93112197	26501924	LED115ED28/730	120-277	3	8.3	4.1	18,000	3000K	>70	250W HPS / 350W MH	50,000	PE646DNU / S-PJV8RX	Damp
	EX39	115	22622	25968246	LED115ED28/740	120-277	3	8.3	4.1	18,000	4000K	>70	250W HPS / 350W MH	50,000	PONSAR2J / S-7Y6F60	Damp
	EX39	115	22623	25968245	LED115ED28/750	120-277	3	8.3	4.1	18,000	5000K	>70	250W HPS / 350W MH	50,000	PZFIPZUL / S-VV7YR7	Damp
	EX39	115	93139853	26531138	LED115ED28/740/277/480	277-480	3	8.3	4.1	18,000	4000K	>70	250W HPS / 350W MH	50,000	PZ3P5P7U / PEQF29S7	Damp
	EX39	150	93112198	26510627	LED150ED28/730	120-277	3	8.3	4.1	23,500	3000K	>70	310W HPS / 400W MH	50,000	PAVD2D0E	Damp
	EX39	150	22611	25968247	LED150ED28/740	120-277	3	8.3	4.1	23,500	4000K	>70	310W HPS / 400W MH	50,000	P53Y3N60	Damp
	EX39	150	22613	25968248	LED150ED28/750	120-277	3	8.3	4.1	23,500	5000K	>70	310W HPS / 400W MH	50,000	P1EL9LHG	Damp
ED18	EX39	120	93320018	-	LED120ED18/730/277-480	277-480	3	9.7	3.0	20,000	3000K	>70	250W HPS / 360W MH	50,000	S-47FGTZ	Damp
	EX39	120	93320024	-	LED120ED18/740/277-480	277-480	3	9.7	3.0	20,000	4000K	>70	250W HPS / 360W MH	50,000	S-1NR1YH	Damp
	EX39	120	93320030	-	LED120ED18/750/277-480	277-480	3	9.7	3.0	20,000	5000K	>70	250W HPS / 360W MH	50,000	S-MQFM9J	Damp
	EX39	180	93312096	26691039	LED180ED18/730	120-277	3	9.7	3.0	30,000	3000K	>70	400W HPS / 400W MH	50,000	S-F26H3J	Damp
	EX39	180	93312098	26691040	LED180ED18/740	120-277	3	9.7	3.0	30,000	4000K	>70	400W HPS / 400W MH	50,000	S-WN2HR8	Damp
	EX39	180	93312100	26691041	LED180ED18/750	120-277	3	9.7	3.0	30,000	5000K	>70	400W HPS / 400W MH	50,000	S-BG0B87	Damp
	EX39	180	93323715	-	LED180ED18/722/277-480	277-480	3	9.7	3.0	26,000	2200K	>70	250W HPS / 360W MH	50,000	-	Damp
	EX39	180	93320000	27016193	LED180ED18/730/277-480	277-480	3	9.7	3.0	30,000	3000K	>70	400W HPS / 400W MH	50,000	S-LCDXR9	Damp
	EX39	180	93320006	-	LED180ED18/740/277-480	277-480	3	9.7	3.0	30,000	4000K	>70	400W HPS / 400W MH	50,000	S-9792TD	Damp
	EX39	180	93320012	-	LED180ED18/750/277-480	277-480	3	9.7	3.0	30,000	5000K	>70	400W HPS / 400W MH	50,000	S-HYQC7Z	Damp
BT56	EX39	270	93153080	26583863	LED270BT56/740/120/277	120-277	3	12.3	5.6	40,000	4000K	>70	400W HPS / 400W MH	50,000	PG8499V4	Damp
	EX39	270	93095547	26103106	LED270BT56/740	277-480	3	12.3	5.6	40,000	4000K	>70	400W HPS / 400W MH	50,000	PW00LOQL	Damp
	EX39	270	93095553	26103107	LED270BT56/750	277-480	3	12.3	5.6	40,000	5000K	>70	400W HPS / 400W MH	50,000	PUZP8RVI	Damp
	EX39	450	93153123	26583777	LED450BT56/750/208/277	208-277	3	12.3	5.6	65,000	5000K	>70	750W HPS / 1000W MH	50,000	PD4K2UXF	Damp
	EX39	450	93096445	26103104	LED450BT56/740	277-480	3	12.3	5.6	65,000	4000K	>70	750W HPS / 1000W MH	50,000	PLNCOZ5Z	Damp
	EX39	450	93096547	26103105	LED450BT56/750	277-480	3	12.3	5.6	65,000	5000K	>70	750W HPS / 1000W MH	50,000	PH8F9ZNF	Damp
	EX39	470	93303389	26640428	LED470BT56/740	277-480	3	12.8	5.6	85,000	4000K	>70	1000W HPS / 1000W MH	50,000	S-E56HRP	Damp
	EX39	520	93320138	-	LED520BT56/740/208-277	208-277	3	12.8	5.6	106,000	4000K	>70	1000W HPS / 1500W MH	50,000	S-8J5CHR	Damp
	EX39	520	93320144	-	LED520BT56/750/208-277	208-277	3	12.8	5.6	106,000	5000K	>70	1000W HPS / 1500W MH	50,000	S-7CHF5W	Damp
	EX39	520	93322984	-	LED520BT56/740/277-480	277-480	3	12.8	5.6	106,000	4000K	>70	1000W HPS / 1500W MH	50,000	S-RB19J3	Damp
	EX39	520	93322990	-	LED520BT56/750/277-480	277-480	3	12.8	5.6	106,000	5000K	>70	1000W HPS / 1500W MH	50,000	S-MMD144	Damp

Additional Information for LED Replacement Lamps for HID: Open and Closed Rated – Ballast bypass required
These products are covered by U.S. Patents 10788163 and 10508776. These products may also be covered by other U.S. patents or pending applications.

LED HID Accessories

Order Code	GBID	Description	Carton Qty ²	Additional Information
93151372	26568747	LED/E26/EX39/ADAPTER	60	E26/EX39 Socket Adapter
93313551	-	LED-HID-TETHER-KIT	20	1 Tether Kit
93313553	-	LED-HID-4A-FUSE-KIT	20	1 Fuse (4A), 1 Fuse Holder
93313555	-	LED-HID-8A-FUSE-KIT	20	1 Fuse (8A), 1 Fuse Holder

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = 1

³ E26 based products are not eligible for DLC. Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

⁴ Do not use with phase-cut dimmers. Dimming functions only with external Variac control devices.

⁵ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁶ Not suitable for air-tight explosive or hazardous fixtures.

⁷ Wattage Replacement levels correspond with wattage levels. Wattage Replacements based on NEMA Standards Publication LL 10-2020 *Replacing HID Lamps with LED Lamps: Light Output Equivalency Claims*.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – HID



Current offers a cost-effective LED conversion in a **Passive HID LED Replacement Lamp**. Select wattage and color temperature at the flick of a switch.

Current's Passive Selectable ED23.5 LED HID Replacement Lamps offer a cost effective solution for less demanding applications. Upgrade to LED in lower wattage HID applications that use the ED23.5 or ED28 shape (up to a 100W high pressure sodium, up to 175W metal halide), and significantly increase CRI compared to High Pressure Sodium Lamps, from 21 CRI to 70 CRI. The Passive cooling lamps (no fan) have electronic thermal management to gradually reduce the light as ambient temperatures increase.

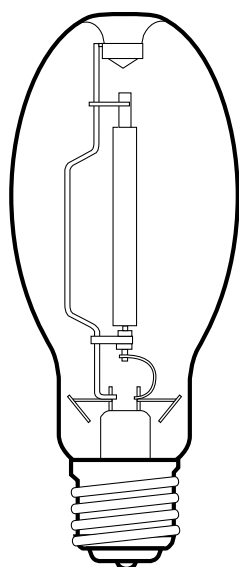
LumenChoice® + SpectraChoice™ ED23.5 lamps feature built-in switches to easily allow the change of wattage and color temperature, no tools required. One lamp can cover many applications, reducing inventory & simplifying BOMs.



Current's Passive Selectable LED HID Lamps maintain ANSI length and diameter, ensuring that the lamps will fit into fixtures and utilize existing optics. These lamps feature omnidirectional light output, with similar distribution to traditional HID lamps. This enables GE LED lamps to fit in a variety of fixtures while providing equivalent light levels to HID and utilizing the existing optics. All of the GE LED lamps in this category are Type B, which means the fixture is re-wired to bypass the ballast.

Lamp Comparison

ED23.5 HID Lamp



Wattage Levels (W)
Lumen Levels (lm)
Color Temp. Levels (K)
Base Options
Length (in)
Diameter (in)

Active Cooling
Selectable ED23.5



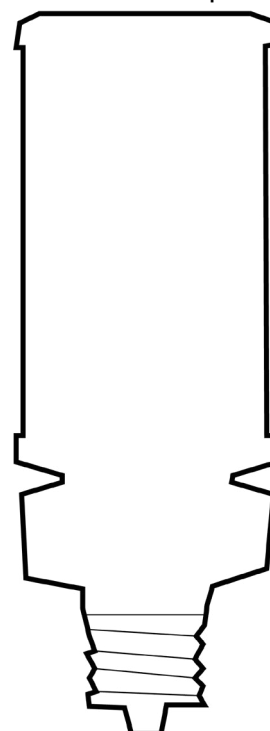
50 / 65 / 80
8,000 / 10,300 / 12,000
3000K / 4000K / 5000K
E26 (with EX39 Adapter) or EX39
7.8 in
3.7 in

Passive Cooling
Selectable ED23.5



32 / 39 / 46
5,000 / 6,300 / 7,500
3000K / 4000K / 5000K
EX39
7.8 in
3.7 in

Other Passive Cooling
LED Lamps



36 / 45 / 54
5,040 / 6,300 / 7,560
3000K / 4000K / 5000K
EX39
9.69 in
3.35 in



Select wattage (lumens) and color temperature using built-in switch



Passive Cooling Selectable ED17



Passive Selectable LumenChoice® + SpectraChoice™ LED HID Replacement - Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp.* (Initial)	Wattage Replacement ⁵	Rated Life L70 (Hrs) ¹	CRI	DLC ^{4,5}	Location Rating ³
LED Replacement Lamp for HID - Ballast Bypass (Type B)																
ED17	E26	93316026	26724146	LED/LC/ED17P/7SC/120-347	120-347	3	5.6	2.6	13 19 25*	2,300 3,200 4,000*	3000K 4000K* 5000K	35W HPS / 50W MH 50W HPS / 70W MH 70W HPS / 70W MH	>70	50,000	-	Damp
ED23.5	EX39	93314601	26700243	LED/LC/ED23.5P/7SC	120-277	3	7.8	3.7	32 39 46*	5,000 6,300 7,500*	3000K 4000K 5000K*	70W HPS / 150W MH 70W HPS / 150W MH 100W HPS / 175W MH	>70	50,000	S-NDF684	Damp
ED28	EX39	93318804	26729266	LED/LC/ED28P/7SC	120-277	3	8.3	4.1	46 58 70*	8,400 10,000 12,000*	3000K 4000K 5000K*	100W HPS / 150W MH 150W HPS / 150W MH 150W HPS / 250W MH	>70	50,000	S-CTTCL4 / S-6P5VLS	Damp

These products are covered by U.S. Patent 10508776. These products may also be covered by other U.S. patents or pending applications.

Passive Warm Selectable LumenChoice® + SpectraChoice™ HID Replacement - Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp.* (Initial)	Wattage Replacement ⁵	Rated Life L70 (Hrs) ¹	CRI	DLC ³	Location Rating ^{5,6}
LED Replacement Lamp for HID - Ballast Bypass (Type B)																
ED17	E26	93318489	26729268	LED/LC/ED17P/7WSC/120-347	120-347	3	5.6	2.6	13	1,600 2,000 2,200	1800K 2200K 2700K	35W HPS / 50W MH 35W HPS / 50W MH 35W HPS / 50W MH	>70	50,000	-	Damp
									19	2,200 2,700 3,000	1800K 2200K 2700K	35W HPS / 50W MH 35W HPS / 50W MH 35W HPS / 50W MH				
									25*	2,800 3,400* 3,900	1800K 2200K* 2700K	35W HPS / 50W MH 35W HPS / 50W MH 50W HPS / 70W MH				
									46	6,300 7,600 8,400	1800K 2200K 2700K	70W HPS / 70W MH 70W HPS / 100W MH 100W HPS / 150W MH				
									58	7,600 9,300 10,000	1800K 2200K 2700K	70W HPS / 100W MH 100W HPS / 100W MH 150W HPS / 150W MH				
									70*	9,000 11,000* 12,000	1800K 2200K* 2700K	100W HPS / 100W MH 150W HPS / 100W MH 150W HPS / 150W MH				
									46	7,600 8,400 9,300	1800K 2200K 2700K	70W HPS / 100W MH 100W HPS / 100W MH 150W HPS / 150W MH				
									58	9,300 10,000 11,000	2200K 2700K 1800K	100W HPS / 100W MH 150W HPS / 150W MH 100W HPS / 100W MH				
									70*	11,000* 12,000	2200K* 2700K	150W HPS / 100W MH 150W HPS / 150W MH				
									46	7,600 8,400 9,300	1800K 2200K 2700K	70W HPS / 100W MH 100W HPS / 100W MH 150W HPS / 150W MH				
									58	9,300 10,000 11,000	2200K 2700K 1800K	100W HPS / 100W MH 150W HPS / 150W MH 100W HPS / 100W MH				
									70*	11,000* 12,000	2200K* 2700K	150W HPS / 100W MH 150W HPS / 150W MH				
ED28	EX39	93319614	-	LED/LC/ED28P/7WSC	120-277	3	8.3	4.1	58 70*	9,300 11,000*	2200K 2200K*	100W HPS / 100W MH 150W HPS / 100W MH	>70	50,000	-	Damp

These products are covered by U.S. Patent 10508776. These products may also be covered by other U.S. patents or pending applications.

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity from Current = 1

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

⁵ Do not use with phase-cut dimmers. Use integrated switch for dimming.

⁶ Wattage Replacements based on NEMA Standards Publication LL 10-2020 *Replacing HID Lamps with LED Lamps: Light Output Equivalency Claims*.

*Default wattage and color temperature settings noted by ** in tables above.

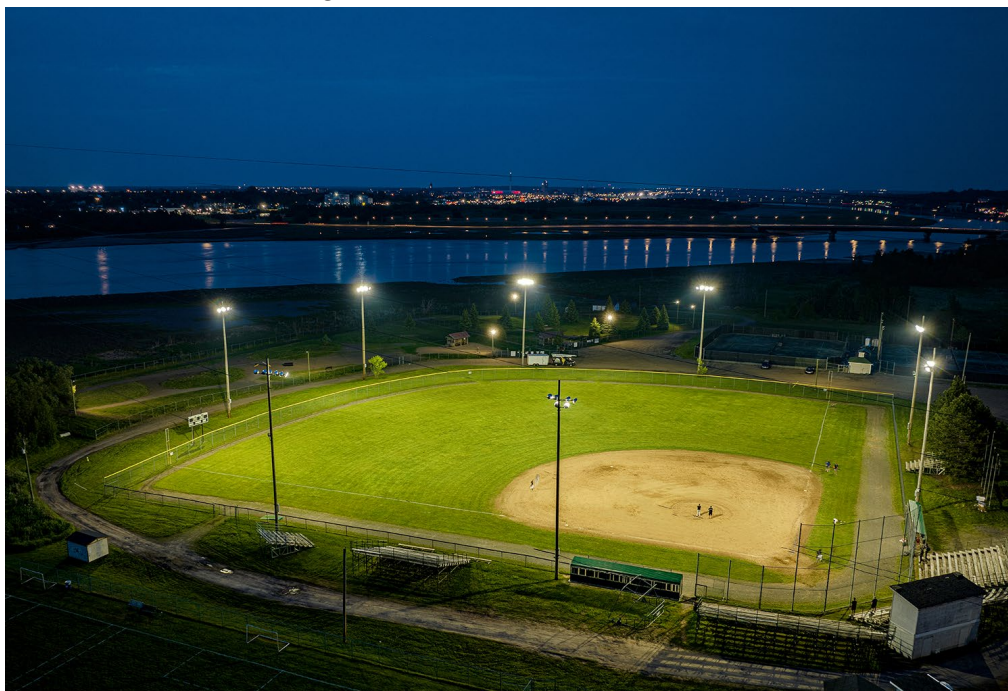
Please note Current lamps are not for sale for use in Yukon Territory in Canada

HID LED Replacement Lamp Case Studies

470W High Output BT56 LED Replacement lamps were used to retrofit 1500W Metal Halide fixtures at a baseball field in Riverview, New Brunswick, Canada. For more details around the retrofit and the resulting benefits that they realized, visit www.LED.com/inspiration/ballfield-benefits-from-new-high-output-led-lamp.

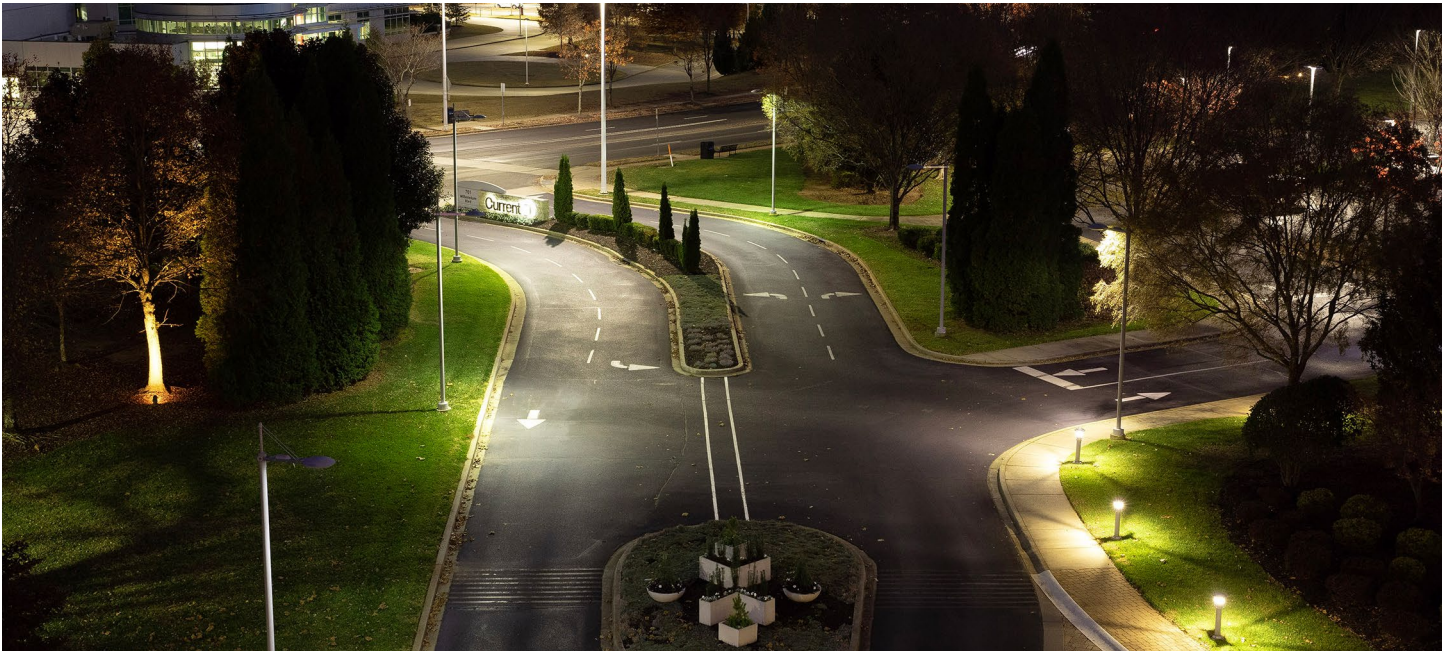


Drone images capture the before and after of the baseball field highlighting the uniform light coverage after the LED BT56 installation.

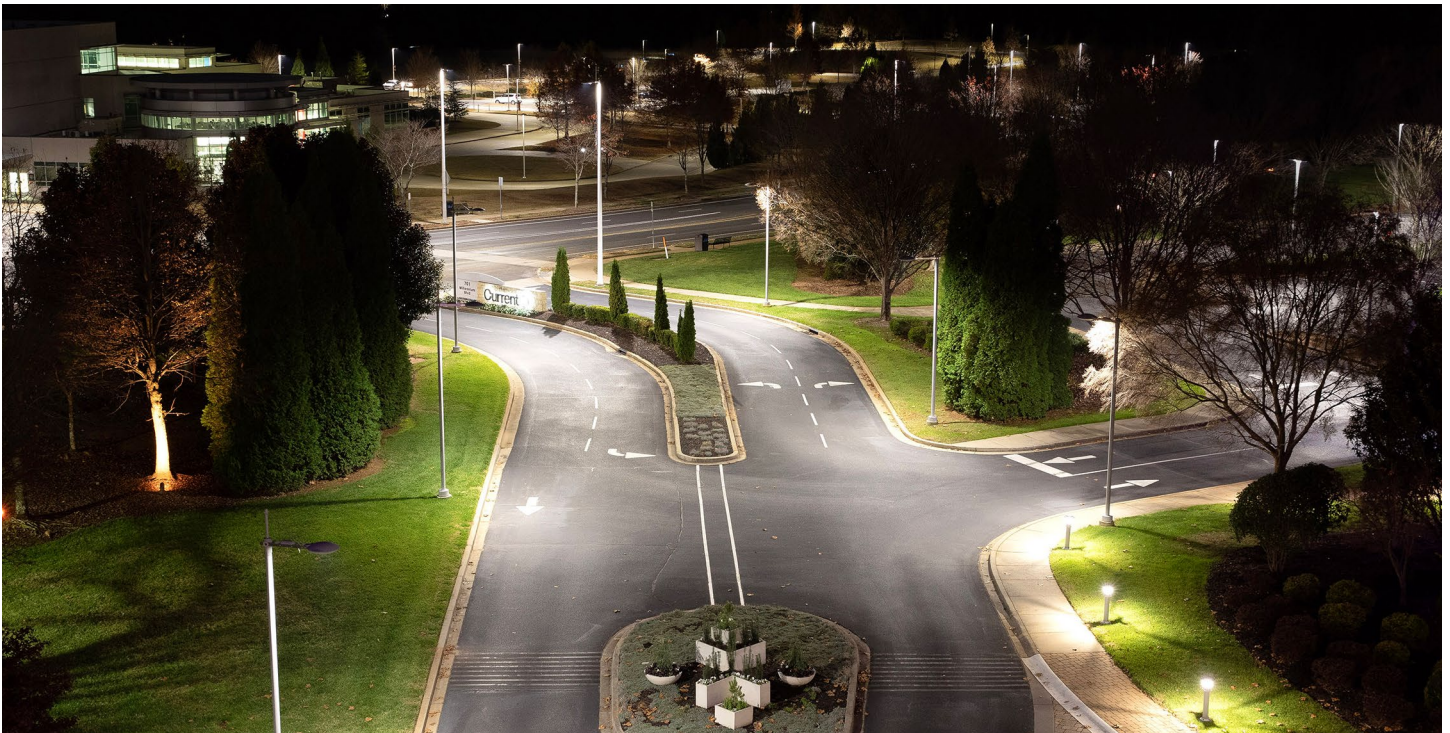


HID LED Replacement Lamp Case Studies

Improvements in lighting can make a huge impact on the safety and security of a site. In the example below, 250W Metal Halide HID Lamps were replaced with 80W Type B ED23.5 LED HID Lamps, resulting in a noticeable improvement in visibility and light coverage.



Before: 250W Metal Halide Lamps



After: 80W ED23.5 LED HID Lamps

HID LED Replacement Lamp Case Studies

Residential post top street lights in New Brunswick were upgraded using GE LED Lamps. Warm SpectraChoice™ Selectable ED17 lamps replaced 100W High Pressure Sodium lamps. The 2700K color temperature setting maintained a warm feel for residents, whiter than HPS but not too blue, and the 45W setting provided plenty of light.



Before: 100W High Pressure Sodium HID Lamps

After: LED HID Warm SpectraChoice™ ED17 Lamp, 45W 2700K

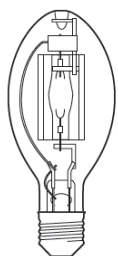


Before: 100W High Pressure Sodium (HPS) lamps emit a yellow-orange glow throughout the neighborhood, washing out colors due to low CRI. Warm white lights on the houses appear to be a cooler blue color temperature relative to HPS.

After: 45W LED lamps produce a warm white light, and improved CRI allows colors to be seen, like the orange driveway markers. The light appears visually brighter. Warm white lights on the houses appear to be consistent with the 2700K LED street lights.

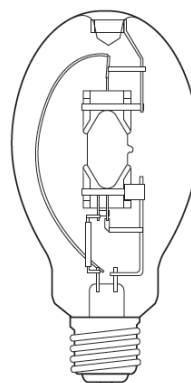
Lamp Drawings (not drawn to scale)

ED17 HID Lamp Active Cooling
Selectable ED17 Passive Cooling
Selectable ED17



ED28 HID Lamp

Passive Cooling
Selectable ED28



Warm Selectable LumenChoice® + SpectraChoice™ HID Replacement – Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp. (Initial)*	Wattage Replacement ⁶	CRI	Rated Life L70 (Hrs) ¹	DLC ^{3,7}	Location Rating ^{4,5}			
LED Replacement Lamp for HID - Ballast Bypass (Type B)																			
ED17	E26/ EX39	93315986	26729267	LED/LC/ED17/7WSC/120-347	120-347	3	5.4	2.6	21	2,450	1800K	35W HPS / 50W MH	>70	50,000	-	Damp			
										3,000	2200K	35W HPS / 50W MH							
										3,300	2700K	50W HPS / 50W MH							
									35*	3,950	1800K	35W HPS / 50W MH							
										4,900*	2200K*	50W HPS / 70W MH							
										5,350	2700K	70W HPS / 70W MH							
									45	4,900	1800K	50W HPS / 70W MH							
										6,200	2200K	70W HPS / 70W MH							
										6,650	2700K	70W HPS / 100W MH							

Passive Warm Selectable LumenChoice® + SpectraChoice™ HID Replacement – Type B

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp. (Initial)*	Wattage Replacement ⁶	Rated Life CRI	L70 (Hrs) ¹	DLC ^{3,7}	Location Rating ^{4,5}
LED Replacement Lamp for HID - Ballast Bypass (Type B)																
ED17	E26	93318489	26729268	LED/LC/ED17P/7WSC/120-347	120-347	3	5.6	2.6	13	1,600	1800K	35W HPS / 50W MH	>70	50,000	-	Damp
										2,000	2200K	35W HPS / 50W MH				
										2,200	2700K	35W HPS / 50W MH				
									19	2,200	1800K	35W HPS / 50W MH				
										2,700	2200K	35W HPS / 50W MH				
										3,000	2700K	35W HPS / 50W MH				
										2,800	1800K	35W HPS / 50W MH				
									25*	3,400*	2200K*	35W HPS / 50W MH				
										3,900	2700K	50W HPS / 70W MH				
ED28	EX39	93319614	-	LED/LC/ED28P/7WSC	120-277	3	8.3	4.1	46	6,300	1800K	70W HPS / 70W MH	>70	50,000	-	Damp
										7,600	2200K	70W HPS / 100W MH				
										8,400	2700K	100W HPS / 150W MH				
									58	7,600	1800K	70W HPS / 100W MH				
										9,300	2200K	100W HPS / 100W MH				
										10,000	2700K	150W HPS / 150W MH				
										9,000	1800K	100W HPS / 100W MH				
									70*	11,000*	2200K*	150W HPS / 100W MH				
										12,000	2700K	150W HPS / 150W MH				

These products are covered by U.S. Patent 10508776. These products may also be covered by other U.S. patents or pending applications.

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = 1

³ E26 based products are not eligible for DLC. Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

⁴ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁵ Not suitable for air-tight explosive or hazardous fixtures.

⁶ Wattage Replacement levels correspond with wattage levels. Wattage Replacements based on NEMA Standards Publication LL 10-2020 *Replacing HID Lamps with LED Lamps: Light Output Equivalency Claims*.

⁷ Do not use with phase-cut dimmers. Use integrated switch for dimming.

* Default wattage and color temperature settings noted by "*" in tables above.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - HID - Hazardous Locations



LED Lamps - HID for Hazardous Locations

Current offers the industry's most extensive portfolio of LED Lamps certified for use in hazardous locations. LED hazardous location lamps offer an opportunity to realize the benefits of an upgrade to LED lighting at an affordable cost. Retrofits certified to UL844 allow existing hazardous location fixtures to be used, while replacing old HID lamps and bypassing the ballasts. Lamps can provide an attractive ROI when entire fixture upgrades may be cost prohibitive, allowing hazardous location facilities to save on energy costs and improve light quality and reliability without compromising safety.

LED HID Lamps approved for hazardous locations provide customers an innovative lighting solution. These lamps maintain the key features of standard GE LED HID Lamps, with a proprietary active cooling design that allows high output from a compact form, with omnidirectional light output. With E26-based hazardous location lamps, Current also includes an E39 socket adapter in the kit for mogul base applications. This eliminates the possibility of ordering a lamp with the wrong base. The heat profile of Current's LED lamps is lower than traditional HID, which equates to a lower overall temperature code. This may provide additional benefits to a facility, beyond the lower energy consumption and increased longevity of the lamps themselves.



LED HID - Type B - Hazardous Locations

Bulb Shape	Base Type*	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement ³	Rated Life L70 (Hrs) ¹	DLC ⁴ ID ^{3,4}	Location Rating ^{5,6}
LED Replacement Lamps for HID - Ballast Bypass (Type B) - Hazardous Locations																
ED17	E26/EX39	21	93134832	26486707	LED21ED17/730/HAZ	120-277	3	5.4	2.6	3,000	3000K	>70	50W HPS / 70W MH	50,000	-	Damp
	E26/EX39	21	93134833	26486708	LED21ED17/740/HAZ	120-277	3	5.4	2.6	3,000	4000K	>70	50W HPS / 70W MH	50,000	-	Damp
	E26/EX39	21	93134834	26486709	LED21ED17/750/HAZ	120-277	3	5.4	2.6	3,000	5000K	>70	50W HPS / 70W MH	50,000	-	Damp
	E26/EX39	35	93134830	26486711	LED35ED17/740/HAZ	120-277	3	5.4	2.6	5,000	4000K	>70	70W HPS / 100W MH	50,000	-	Damp
	E26/EX39	35	93134831	26486712	LED35ED17/750/HAZ	120-277	3	5.4	2.6	5,000	5000K	>70	70W HPS / 100W MH	50,000	-	Damp
	E26/EX39	45	93134846	26486713	LED45ED17/730/HAZ	120-277	3	5.4	2.6	6,000	3000K	>70	100W HPS / 100W MH	50,000	-	Damp
ED23.5	E26/EX39	45	93134847	26486714	LED45ED17/740/HAZ	120-277	3	5.4	2.6	6,000	4000K	>70	100W HPS / 100W MH	50,000	-	Damp
	E26/EX39	45	93134848	26486715	LED45ED17/750/HAZ	120-277	3	5.4	2.6	6,000	5000K	>70	100W HPS / 100W MH	50,000	-	Damp
	E26/EX39	80	93141934	26583866	LED80ED23.5/740/HAZ	120-277	3	7.8	3.7	12,000	4000K	>70	150W HPS / 250W MH	50,000	-	Damp
	E26/EX39	80	93141935	26583867	LED80ED23.5/750/HAZ	120-277	3	7.8	3.7	12,000	5000K	>70	150W HPS / 250W MH	50,000	-	Damp
	EX39	80	93148146	26583868	LED80ED23.5/740/277/480/HAZ	277-480	3	7.8	3.7	12,000	4000K	>70	150W HPS / 250W MH	50,000	S-3GZE5Y	Damp
	EX39	80	93148147	26583869	LED80ED23.5/750/277/480/HAZ	277-480	3	7.8	3.7	12,000	5000K	>70	150W HPS / 250W MH	50,000	S-O48JK5	Damp
ED28	EX39	150	93154635	26627954	LED150ED28/740/HAZ	120-277	3	8.3	4.1	23,500	4000K	>70	310W HPS / 400W MH	50,000	S-EB9LHA	Damp
	EX39	150	93154636	26627955	LED150ED28/750/HAZ	120-277	3	8.3	4.1	23,500	5000K	>70	310W HPS / 400W MH	50,000	S-S2QAV1	Damp
	EX39	150	93154647	26627956	LED150ED28/740/277/480/HAZ	277-480	3	8.3	4.1	23,500	4000K	>70	310W HPS / 400W MH	50,000	S-ZN9G32	Damp
	EX39	150	93154648	26627957	LED150ED28/750/277/480/HAZ	277-480	3	8.3	4.1	23,500	5000K	>70	310W HPS / 400W MH	50,000	S-6UW8HL	Damp
Additional Information for LED Replacement Lamps for HID: Open and Closed Rated - Ballast bypass required																
These products are covered by U.S. Patents 10788163 and 10508776. These products may also be covered by other U.S. patents or pending applications.																

* EX39 socket adapter is included with HAZ E26 based lamps for mogul base applications.

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = 1

³ E26 based products are not eligible for DLC. Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

⁴ Do not use with phase-cut dimmers. Dimming functions only with external Variac control devices.

⁵ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁶ Wattage Replacement levels correspond with wattage levels. Wattage Replacements based on NEMA Standards Publication LL 10-2020 *Replacing HID Lamps with LED Lamps: Light Output Equivalency Claims*.

© See Installation Guide for applicable Hazardous Location luminaire fittings

Please note Current lamps are not for sale for use in Yukon Territory in Canada

What's Considered a Hazardous Location?

The National Electrical Code (NEC) defines hazardous locations in terms of CLASS, DIVISION and GROUP:

- **CLASS I** locations are those in which flammable gases or vapors are or may be present in the air in quantities sufficient to produce explosive or ignitable mixtures.
- **CLASS II** locations are those that are hazardous because of the presence of combustible dust.

Each CLASS is further defined as either DIVISION 1 or DIVISION 2.

- **DIVISION 1** is an environment that is normally hazardous.
- **DIVISION 2** is an environment that is not normally hazardous.

GROUP defines the specific hazardous material in the surrounding atmosphere. See the table below for specific examples.

NEC Class	Division	Group	Typical Atmosphere and Auto-ignition Temperatures
I - Gases, Vapors	2 - Not normally present	A	Acetylene (305°C, 581°F)
		B	Hydrogen (502°C, 986°F) manufactured gases containing more than 30% hydrogen (by volume)
		C	Ethylene (450°C, 842°F) Cyclopropane (503°C, 938°F)
		D	Hexane (225°C, 437°F) Butane (288°C, 550°F) Propane (450°C, 842°F) Acetone (465°C, 869°F) Benzene (420°C, 788°F) Gasoline (280°-471°C, 536°-880°F)
II - Combustible Dusts	1 - Normally present	E	Metal Dusts (Aluminum, Magnesium)
	2 - Not normally present	F	Carbonaceous Dusts (Coal, Carbon black, Charcoal, Coke)
		G	Dusts not in Groups E or F (Flour, Grain, Wood, Plastic)

Typical Hazardous Substances and Auto-ignition Temperatures by Group

How are LED Retrofits Certified?

UL evaluates Retrofit Luminaire Conversion Kits for Use in Hazardous Locations in accordance with the appropriate Standards. LED Lamps are UL-certified as part of Retrofit Kits that also include an installation guide detailing instructions for retrofitting hazardous location luminaires and a fixture label that indicates the lamp being used and associated new temperature code.

[See lamp installation guides for full luminaire fitting details.](#)

Current Hazardous Location Lamps – Approved UL Fixtures by Classification

Classifications: Class 1, Division 2, Groups A, B, C, D				Classifications: Class 2, Division 1, Groups E, F, G; Class 2, Division 2, Groups F, G			
UL HazLoc Fixture Type	ED17	ED23.5	ED28	UL HazLoc Fixture Type	ED17	ED23.5	ED28
GE Filtr-Gard® H2	Yes	Yes	Yes	GE Filtr-Gard® H2	-	-	-
GE Powr-Gard® H9	-	-	-	GE Powr-Gard® H9	Yes	Yes	-
Appleton Mercmaster™ II	Yes	Yes	Yes	Appleton Mercmaster™ II	Yes	Yes	Yes
Appleton Mercmaster™ III	Yes	Yes	Yes	Appleton Mercmaster™ III	Yes	Yes	Yes
Crouse-Hinds Champ® VMV	Yes	Yes	Yes	Crouse-Hinds Champ® VMV	Yes	-	Yes
Thomas & Betts Hazlux® 3	Yes	Yes	Yes	Thomas & Betts Hazlux® 3	Yes	Yes	Yes
Hubbell Killark® VM Series	Yes	Yes	Yes	Hubbell Killark® VM Series	Yes	Yes	Yes
Holophane Petrolux® P3M	Yes	Yes	-	Holophane Petrolux® P3M	Yes	Yes	-
Holophane Petrolux® II PETL	-	-	Yes	Holophane Petrolux® II PETL	-	-	Yes

LED Lamps – HID – Hazardous Locations



Ohio Manufacturing Facility Replaces Dated HPS Lamps with New Current LED HID Lamps Approved for Hazardous Locations



Before: 250W High Pressure Sodium Lamps

After: 45W ED17 LED HID Lamps

An Ohio-based company needed a solution for a dimly lit manufacturing plant, and Current jumped at the opportunity to help. This wasn't a normal lamp refit, but Current knew its expansive LED Lamp portfolio had a product up for the challenge.

From the outset of the project, it was apparent that the customer needed lamps that would fit into traditional hazardous rated High Pressure Sodium (HPS) fixtures. Installation needed to be quick to avoid downtime, and budgets were tight, so avoiding significant renovations was preferred. The new LED HID replacement lamps needed to be approved for hazardous rated fixtures, as the plant deals with hazardous materials in its processes.

The Solution

Current recommended its Hazardous LED HID Replacement Lamps. These LED lamps are designed for those rugged environments where long lasting performance is a necessity. Current's LED HID replacement lamps for hazardous locations are certified for use in a variety of hazardous location luminaires, including Class I Division 2, Class II Division 1, and Class II Division 2 applications.

With a much longer life compared to a standard HID lamp, these LED lamps would provide consistent, dependable lighting in a facility that desperately needed it. The LED lamps use much less energy compared with their HPS counterparts. This not only saves money, but it also provides the facility with an improved temperature code. This is important as it reduces the ambient temperature of the fixture by an average of 95°C in the most commonly used fixtures. By lowering the temperature code, you decrease the air temperature around the fixture, which makes for a safer operating environment. This allows customers the ability to install higher lumen lamps in locations that they were previously only able to provide low wattage/lumen lamps.

Why Current's Lamps

One consideration for this plant was ongoing maintenance. Its existing lighting was not easy to replace and required significant manpower to maintain or update. Current was able to give them a solution that would last 2.5 times longer while still delivering a more efficient and effective solution. At the beginning of the installation, the team quickly realized they had fixtures with both medium (E26) and mogul (E39) sockets, which posed an issue with managing multiple lamp designs for the installation. Current's product team prepared for this exact scenario by including a mogul-base (E39) adapter with each lamp. Current's product strategy eliminated the possibility of ordering a lamp with the wrong base and the installer having to come back at a later date at an additional charge. This also reduces the SKU count for a project.

In addition to the longer life of LEDs, the industrial plant was also drawn to the fact that Current's lamps can go from a 250W HPS Lamp all the way down to 45W, which means increased savings in addition to longer life. The plant is now realizing \$25,000 annual savings compared to their traditional lamps. Over the life of the lamp, they will save \$125,000, and switching to Current's Hazardous Location LED HID replacement lamps will help them achieve payback in just 9 months.

Many manufacturing areas face uneven light distribution and dark spots. Most common is burned out lamps that cost time and money to replace because operations have to stop while these are fixed. Current's hazardous location lamps offer a five-year/50,000-hour warranty to give the end user peace of mind and avoid these issues.

LED Lamps – HID – Hazardous Locations



The Results

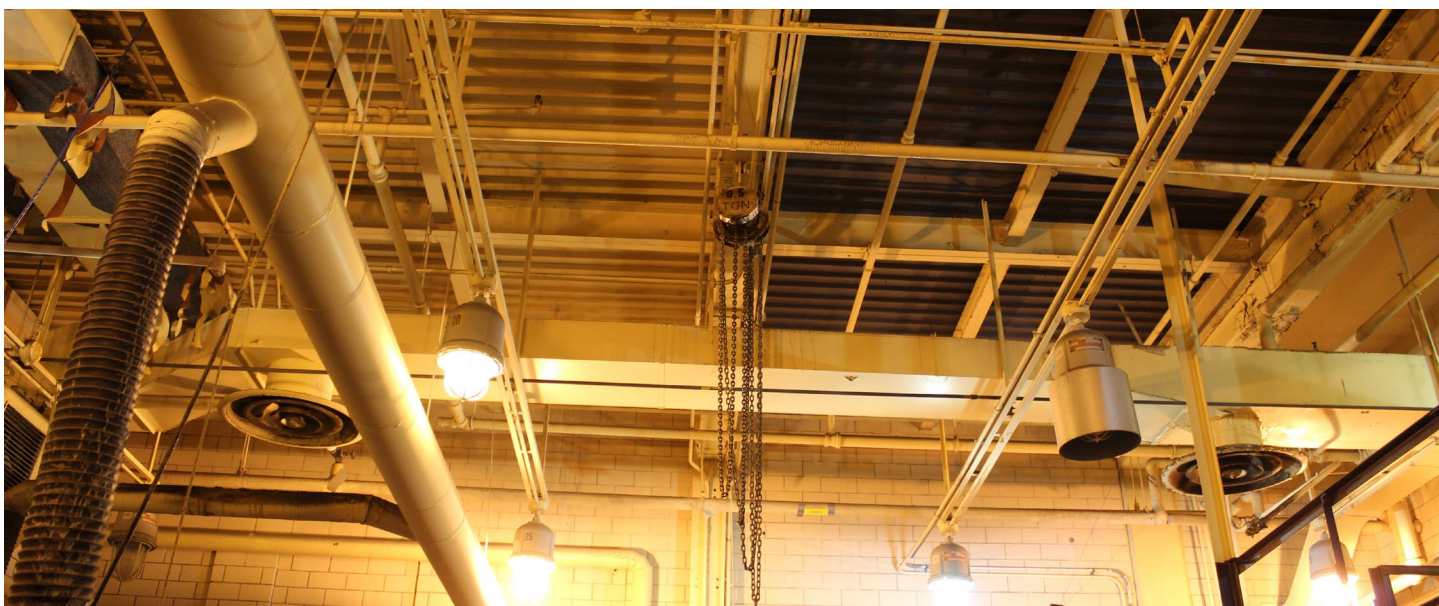
Installing the lamps was a smooth process. Once the new lights were turned on, the change was obvious: Areas were brighter.

The feedback from members working in the facility is overwhelmingly positive. They report that spaces are much brighter, providing better visibility in places that used to be very dark, and making the plant look and feel like a better place to work. In fact, the facility has already requested additional lamp retrofits in the plant due to the success and effectiveness they are witnessing after just a few weeks.

“The rooms look fantastic, it’s way easier to work and see, and instantly modernizes and brightens the entire area. It’s hard to believe, and somewhat embarrassing, that we lived with and just accepted the old lighting for so long,” the plant manager said.

Another worker added, “The new LED lamps make a drastic difference throughout our facility. With the new upgrade from the old yellow tinted HPS lights, some areas that once had a dark and gloomy feeling have now become areas where our employees want to work. It is amazing how something so little can improve the area and the site’s morale so much.”

Current’s Hazardous Location LED HID Replacement Lamps were the perfect solution for this manufacturing plant. Now, with better lighting, lower maintenance costs and reduced energy expenses, the facility can be safer and more productive.



LED Lamps - Plug-in - Type A



LED Lamps - Type A Plug-ins

Type A LED plug-in lamps are direct replacements for pin-based compact fluorescent lamps. These lamps operate from CFL ballasts. Horizontal and vertical orientation lamps are offered in order to minimize energy consumption and improve fixture efficiency. Choose the lamp orientation that suits the application.



LED Lamps - Plug-in - Type A



Catalog Logic:

Bulb Shape:

Bulb shape followed by its size (the maximum diameter of the bulb expressed in eighths of an inch).

Watts:

Nominal Lamp Watts on ballast

Lumens:

Light output (as defined by FTC Lamp Label Rules)

Color Rendering Index (CRI or R):

An indication of the ability of the lamp to render object colors in a normal natural way. The higher the number (0-100), the better the color appearance.

Dimmable:

Indicates whether a lamp is dimmable or not

Additional Information:

Typical application and/or other important information

Base Type:

ANSI Base

Order Code:

Use the order code when ordering to ensure that you receive the exact product you require

MOL (in):

Maximum Overall Length in inches

Carton Quantity:

Number of lamps packed in a carton

Description:

Lamp Model Description

Color Temperature (K):

A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value, the whiter or "cooler" the light appears.

Wattage Replacement:

Wattage of Traditional Lamp the LED Lamp is meant to replace

Rated Life L70:

Hours of operation the lamp will provide before reaching 70% of its original lumen output

DLC:

Indicates whether product is listed on the DesignLights Consortium Qualified Products List

Location Rating:

Location Rating as defined for LED Lamps by UL 1993

Bulb Shape	Base Type	Lamp Watts	Order Code	Description	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	DLC ⁴	Location Rating ³	Additional Information ⁵
Vertical Type A 4-pin															
Plug-In G24q/GX24q		9	33994	LED9G24Q-H/827	6	5.31	1100	2700K	80	13/18/26	50,000	-	S-6PKGMC	Damp	Requires Electronic Ballast, Fully Enclosed

LED9GX24Q-H/827

Wattage

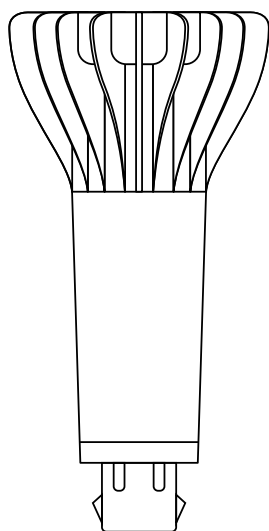
Base

Orientation (H = Horizontal, V = Vertical)

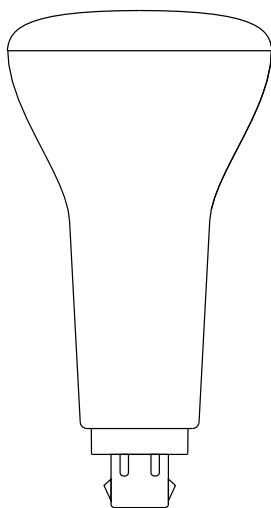
CCT (27 = 2700K)

CRI (8 = 80)

Lamp Drawings (not drawn to scale)

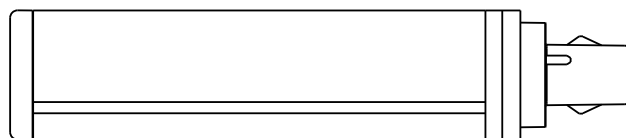


Type A
GX24q

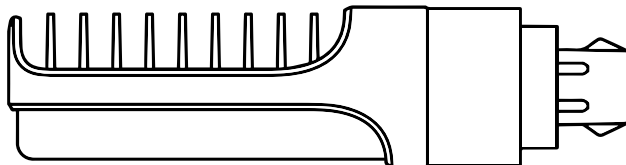


Type A
G24q

Type A
G24d



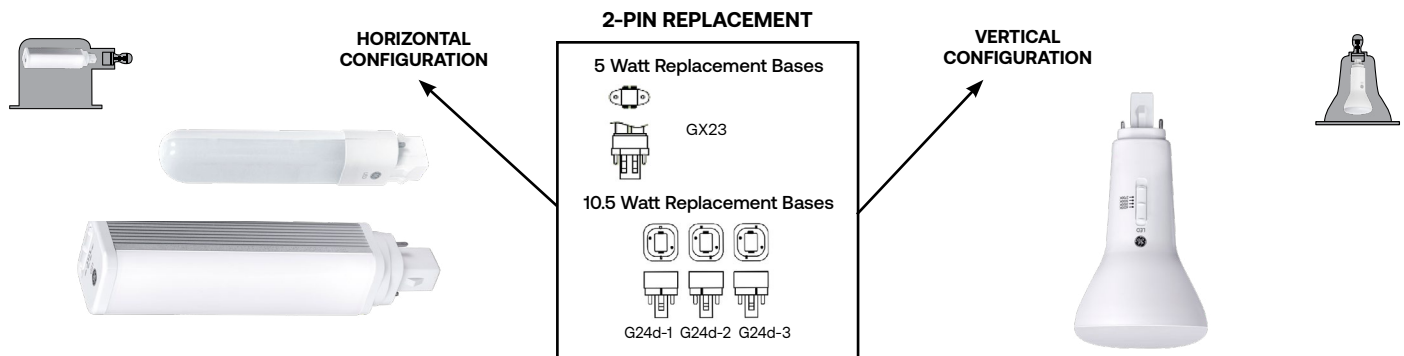
Type A
G24q



LED Lamps - Plug-in - Type A



Type A - 2-pin Plug-ins



Selectable SpectraChoice™ 2-pin Plug-in Lamps - Type A

Bulb Shape	Base Type	Lamp Watts	Order Code	GBID	Description	Carton Qty ²	MOL (In)	Lumens (Initial)	Color Temp (Initial)*	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	DLC ³ ID ⁴	Location Rating ³	Additional Information [^]
Vertical Type A G24d 2-pin															
Plug-In	G24d	10.5	93300091	26613076	LED11G24d-V/8SC-4PK	24	6.2	1000 1100 1100 1100*	2700K 3000K 3500K 4000K*	80	13/18/26	50,000	-	Damp	SpectraChoice™ Selectable Color Temperature (4000K Default), Requires Magnetic Ballast, Fully Enclosed, 4 pack
Horizontal Type A G24d 2-Pin															
Plug-In	G24d	10.5	93300090	26613075	LED11G24d-H/8SC-4PK	24	6.6	1000 1100 1100 1100*	2700K 3000K 3500K 4000K*	80	13/18/26	50,000	-	Damp	SpectraChoice™ Selectable Color Temperature (4000K Default), Requires Magnetic Ballast, Fully Enclosed, 4 pack

2-pin Plug-in Lamps - Type A

Bulb Shape	Base Type	Lamp Watts	Order Code	GBID	Description	Carton Qty ²	MOL (In)	Lumens (Initial)	Color Temp (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	DLC ³ ID ⁴	Location Rating ³	Additional Information [^]
Type A GX23 2-pin															
Plug-In	GX23	5	91404	25887725	LED5GX23/827	6	6.7	500	2700K	80	13	50,000	-	Damp	Requires Magnetic Ballast, Fully Enclosed
	GX23	5	91405	25887726	LED5GX23/830	6	6.7	530	3000K	80	13	50,000	-	Damp	Requires Magnetic Ballast, Fully Enclosed
	GX23	5	91407	25887728	LED5GX23/835	6	6.7	545	3500K	80	13	50,000	-	Damp	Requires Magnetic Ballast, Fully Enclosed
	GX23	5	91408	25887729	LED5GX23/840	6	6.7	560	4000K	80	13	50,000	-	Damp	Requires Magnetic Ballast, Fully Enclosed
	GX23	5	91410	25887727	LED5GX23/850	6	6.7	565	5000K	80	13	50,000	-	Damp	Requires Magnetic Ballast, Fully Enclosed

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ DLC® does not have a category for two-pin plug-in lamps

* Default wattage and color temperature settings noted by "*" in tables above.

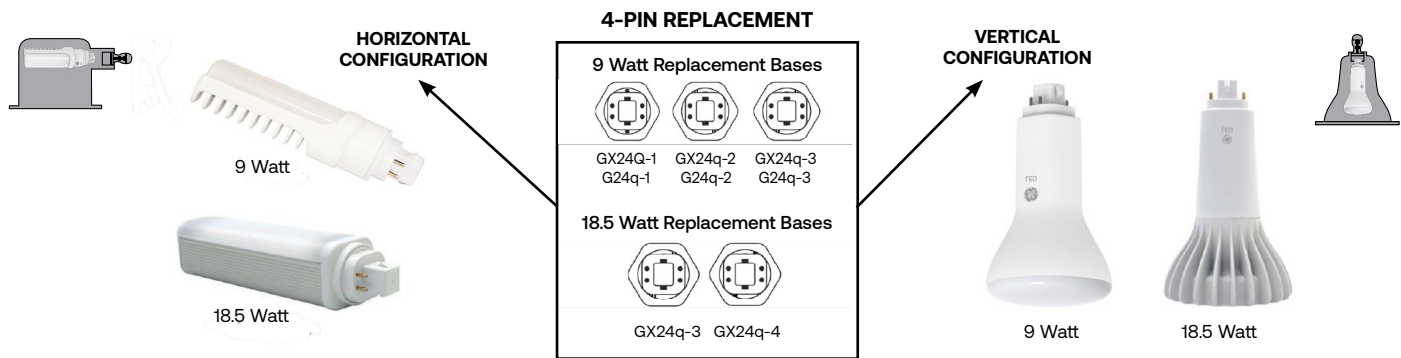
Check ballast compatibility at LED.com/LED2pin-compatibility

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - Plug-in - Type A



Type A - 4-pin Plug-ins



Selectable SpectraChoice™ 4-pin Plug-in Lamps - Type A

Bulb Shape	Base Type	Lamp Watts	Order Code	GBID	Description	Carton Qty ²	MOL (In)	Lumens (Initial)*	Color Temp (Initial)*	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	DLC ³ ID ⁴	Location Rating ³	Additional Information ⁶
Vertical Type A 4-pin															
Plug-In	G24q/GX24q	9	93300089	26613077	LED9G24q-V/8SC-4PK	24	5.9	1000 1100 1100 1100*	2700K 3000K 3500K 4000K*	80	13/18/26	50,000	S-WU5YE2	Damp	SpectraChoice™ Selectable Color Temperature (4000K Default), Requires Electronic Ballast, Fully Enclosed, 4 pack
	GX24q	18.5	93314806	26722976	LED19GX24q-V/8SC	12	6.5	1850 1850 1850 1850*	2700K 3000K 3500K 4000K*	80	32/42	50,000	-	Damp	SpectraChoice™ Selectable Color Temperature (4000K Default), Requires Electronic Ballast
Horizontal Type A 4-pin															
Plug-In	GX24q	18.5	93314804	26722975	LED19GX24q-H/8SC	12	6.8	1850 1850 1850 1850*	2700K 3000K 3500K 4000K*	80	32/42	50,000	-	Damp	SpectraChoice™ Selectable Color Temperature (4000K Default), Requires Electronic Ballast

4-pin Plug-in Lamps - Type A

Bulb Shape	Base Type	Lamp Watts	Order Code	GBID	Description	Carton Qty ²	MOL (In)	Lumens (Initial)	Color Temp (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	DLC ³ ID ⁴	Location Rating ³	Additional Information ⁶
Horizontal Type A 4-pin															
Plug-In	G24q/GX24q	9	33994	26049759	LED9G24Q-H/827	6	5.31	1100	2700K	80	13/18/26	50,000	S-6PKGMC	Damp	Requires Electronic Ballast, Fully Enclosed
	G24q/GX24q	9	33997	26049760	LED9G24Q-H/830	6	5.31	1200	3000K	80	13/18/26	50,000	S-RVMHOC	Damp	Requires Electronic Ballast, Fully Enclosed
	G24q/GX24q	9	33998	26049761	LED9G24Q-H/835	6	5.31	1200	3500K	80	13/18/26	50,000	S-HOEDLY	Damp	Requires Electronic Ballast, Fully Enclosed
	G24q/GX24q	9	33999	26049758	LED9G24Q-H/840	6	5.31	1200	4000K	80	13/18/26	50,000	S-3FW29C	Damp	Requires Electronic Ballast, Fully Enclosed

High Lumen Biax 2G11 Plug-in Lamps - Type A

Bulb Shape	Base Type	Lamp Watts	Order Code	GBID	Description	Carton Qty ²	MOL (In)	Lumens (Initial)	Color Temp (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	DLC ³ ID ⁴	Location Rating ³	Additional Information ⁶
High Lumen Biax Type A (HLBX)															
HLBX	2G11	17	39073	25843387	LED172G11/830/10	10	22.3	2150	3000K	80	40	50,000	-	Damp	Instant or PRS Ballast
	2G11	17	39074	25843388	LED172G11/835/10	10	22.3	2150	3500K	80	40	50,000	-	Damp	Instant or PRS Ballast
	2G11	17	39075	25821592	LED172G11/840/10	10	22.3	2200	4000K	80	40	50,000	-	Damp	Instant or PRS Ballast
	2G11	17	39076	25951160	LED172G11/850/10	10	22.3	2200	5000K	80	40	50,000	-	Damp	Instant or PRS Ballast

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

⁶ Default wattage and color temperature settings noted by "*" in tables above.

* Check ballast compatibility at LED.com/LED4pin-compatibility for G24q/GX24q lamps. Check ballast compatibility at LED.com/LED2G11-compatibility for 2G11 lamps.

Please note Current lamps are not for sale for use in Yukon Territory in Canada



LED Lamps - Plug-in - Type A+B

Selectable Dual Mode Type A+B - Plug-ins



Rotatable Head:

Allows the lamps to be used in both vertical and horizontal applications

Rotatable & Extendable Neck:

Allows the lamps to be positioned for horizontal fixture applications



LED Lamps - Plug-in - Type A+B



Selectable SpectraChoice™ Dual Mode Type A+B - Rotatable 2-pin Plug-in Lamps

								TYPE A MODE		TYPE B MODE							
											Selectable Color Temp. (Initial)*			Rated Life L70 (Hrs) ¹	Location Rating ³	Additional Information ⁴	
Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	System Watts	Lumens (Initial)	Input Voltage	Watts	Lumens (Initial)	Power Factor	CRI				
Dual Mode Adjustable Horizontal/Vertical (Type A+B)																	
Plug-In	G24d	93325073	-	LED9ABG24d-H-V/8SC	12	7.7	9	1000	120-277	9	1000	>0.9	80	2700K	50,000	Damp	SpectraChoice™ Selectable Color Temperature (4000K Default), Type A Requires Magnetic Ballast, Fully Enclosed, Rotatable Head and Rotatable/Extendable Neck for Vertical & Horizontal Applications, 26W replacement.
								1000			1000			3000K			
								1000			1000			3500K			
								1100			1100			4000K*			
								1100			1100			5000K			

Selectable SpectraChoice™ Dual Mode Type A+B - Rotatable 4-pin Plug-in Lamps

								TYPE A MODE		TYPE B MODE							
Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in) ⁶	System Watts	Lumens (Initial)	Input Voltage	Watts	Lumens (Initial)	Power Factor	CRI	Selectable Color Temp. (Initial)*	Rated Life L70 (Hrs) ¹	Location Rating ³	Additional Information ⁴
Dual Mode Adjustable Horizontal/Vertical (Type A+B)																	
Plug-In	G24q	93325074	-	LED9ABG24q-H-V/8SC	12	7.7	11	1000	120-277	9	1000	>0.9	80	2700K	50,000	Damp	SpectraChoice™ Selectable Color Temperature (4000K Default) Type A Requires Electronic Ballast and dimmable with compatible dimming ballasts, 0-10V, Fully Enclosed, Rotatable Head and Rotatable/Extendable Neck for Vertical & Horizontal Applications, 26W replacement.
								1000			1000			3000K			
								1000			1000			3500K			
								1100			1100			4000K*			
								1100			1100			5000K			
	G24q	93325075	-	LED16ABG24q-H-V/8SC	12	7.7	17	1700	120-277	16	1750	>0.9	80	2700K	50,000	Damp	SpectraChoice™ Selectable Color Temperature (4000K Default), Type A Requires Electronic Ballast and dimmable with compatible dimming ballasts, 0-10V, Fully Enclosed, Rotatable Head and Rotatable/Extendable Neck for Vertical & Horizontal Applications, 32/42W replacement.
								1800			1850			3000K			
								1850			1850			3500K			
								1850			1850			4000K*			
								1850			1850			5000K			

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

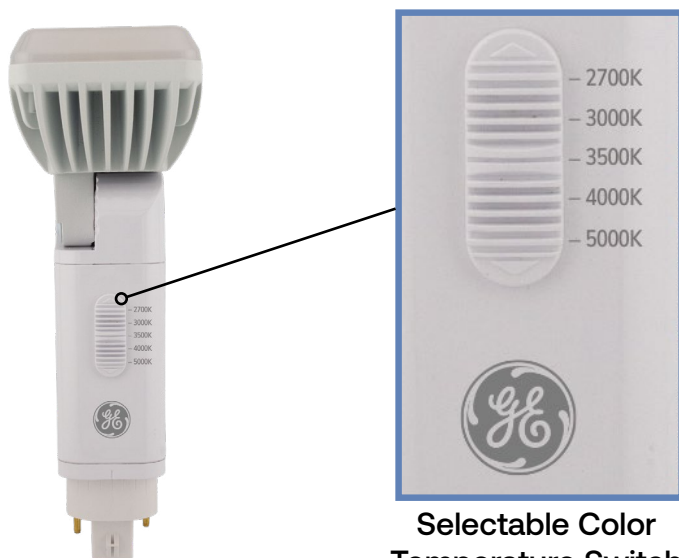
⁶ Lumen levels correspond with color temperature for selectable lamps

⁶ MOL (in) listed represents lamp neck fully extended and head up

* Default color temperature setting is 4000K for selectable lamps

⁷ Check ballast compatibility at LED.com/LED2pin-compatibility or LED.com/LED4pin-compatibility

Please note Current lamps are not for sale for use in Yukon Territory in Canada



Selectable Color Temperature Switch



SpectraChoice™

LED Lamps - Plug-in - Type A+B



Selectable Dual Mode Type A+B - Plug-ins



Omnidirectional

Allows the lamps to be used in applications where uniform light is needed

G24d (2-Pin) and G24q (4-Pin) Base Options



LED Lamps - Plug-in - Type A+B



Selectable SpectraChoice™ Dual Mode Type A+B - Omnidirectional 2-pin Plug-in Lamps

								TYPE A MODE		TYPE B MODE							
												Selectable Color Temp. (Initial)* Rated Life L70 (Hrs) ¹ Location Rating ³ Additional Information [^]					
Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in)	System Watts	Lumens (Initial)	Input Voltage	Watts	Lumens (Initial)	Power Factor	CRI				
Dual Mode Adjustable Horizontal/Vertical (Type A+B)																	
Plug-In	G24d	93326621	-	LED9ABG24d-O/8SC	12	6.9	9.5	1000	120-277	9.5	1000	>0.9	80	3000K	50,000	Damp	SpectraChoice™ Selectable Color Temperature (4000K Default), Type A Requires Magnetic Ballast, 26W replacement.
								1100			1100						
								1100			4000K*						

Selectable SpectraChoice™ Dual Mode Type A+B - Omnidirectional 4-pin Plug-in Lamps

								TYPE A MODE		TYPE B MODE							
													Selectable Color Temp. (Initial)* Rated Life L70 (Hrs) ¹ Location Rating ³ Additional Information [^]				
Bulb Shape	Base Type	Order Code	GBID	Description	Carton Qty ²	MOL (in) ⁶	System Watts	Lumens (Initial)	Input Voltage	Watts	Lumens (Initial)	Power Factor	CRI				
Dual Mode Adjustable Horizontal/Vertical (Type A+B)																	
Plug-In	G24q	93326623	-	LED9ABG24q-O/8SC	12	6.9	9.5	1000	120-277	9.5	1000	>0.9	80	3000K	50,000	Damp	SpectraChoice™ Selectable Color Temperature (4000K Default), Type A Requires Electronic Ballast and dimmable with compatible dimming ballasts, 0-10V, 26W replacement.
								1100			1100			3500K			
								1100			1100			4000K*			

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁶ Lumen levels correspond with color temperature for selectable lamps

⁶ MOL (in) listed represents lamp neck fully extended and head up

* Default color temperature setting is 4000K for selectable lamps

* Check ballast compatibility at LED.com/LED2pin-compatibility or LED.com/LED4pin-compatibility

Please note Current lamps are not for sale for use in Yukon Territory in Canada



Selectable Color Temperature Switch



SpectraChoice™

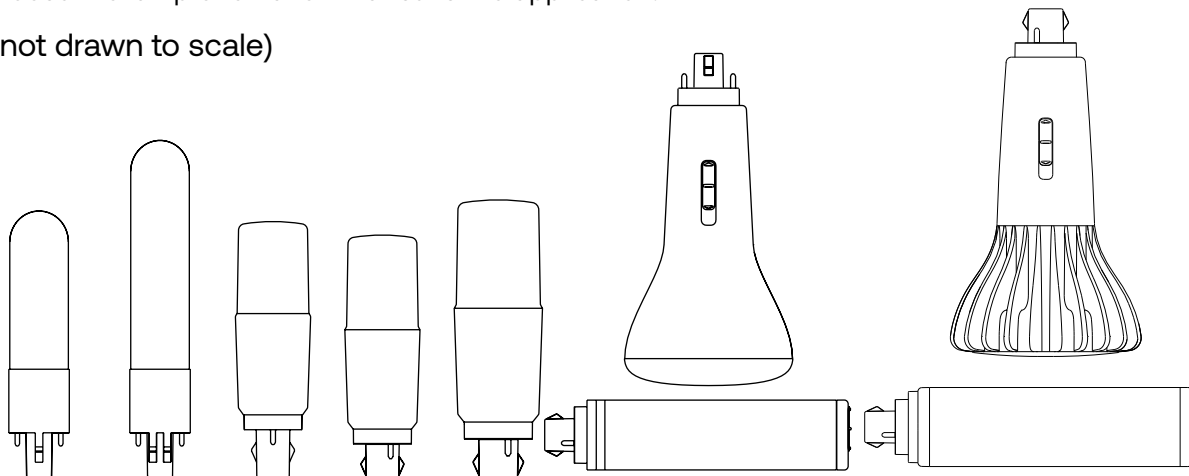
LED Lamps – Plug-in – Type B



LED Lamps – Type B Plug-ins

Type B LED plug-in lamps offer the opportunity to replace pin-based compact fluorescent lamps and eliminate costs related to the ballasts. Type B lamps operate from mains voltage. The fixture is re-wired to bypass the ballast. Horizontal and vertical orientation lamps are offered in order to minimize energy consumption and improve fixture efficiency. Choose the lamp orientation that suits the application.

Lamp Drawings (not drawn to scale)

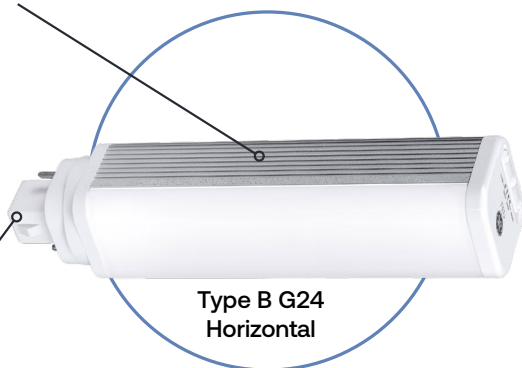


Base	G23	GX23	GX23-2	G24	G24	G24	G24
Fits In Sockets	G23	GX23	GX23-2	G24d G24q GX24q	G24d G24q GX24q	G24d G24q GX24q	G24d G24q GX24q
Input Voltage	120-277	120-277	120-277	120-277	120-277	120-347	120-347
Color Temperature	2700K 3000K 3500K 4000K	2700K 3000K 3500K 4000K 5000K	2700K 3000K 3500K 4000K	2700K 3000K 3500K 4000K	2700K 3000K 3500K 4000K	SpectraChoice™ 2700K 3000K 3500K 4000K	SpectraChoice™ 2700K 3000K 3500K 4000K
Rated Life (L70)	50,000	50,000	20,000	20,000	50,000	50,000	50,000
Lumens	500	500	800	850	1200	1100	1850
Light Distribution	Directional	Directional	Omni-directional	Omni-directional	Omni-directional	Directional	Directional
Wattage	5W	5W	7.5W	7.5W	10W	10.5W	18W
CFL Equivalent	7/9W	13W	13W	13W	18W	13/18/26W	32/42W

Heat sink for thermal management enables long life

Plastic lens provides excellent diffusion

Horizontal orientation lamps feature a rotatable base



Type B G24 Horizontal



Type B G24 Vertical

G24 Type B plug-in bases can be used in a variety of sockets



LED Lamps - Plug-in - Type B



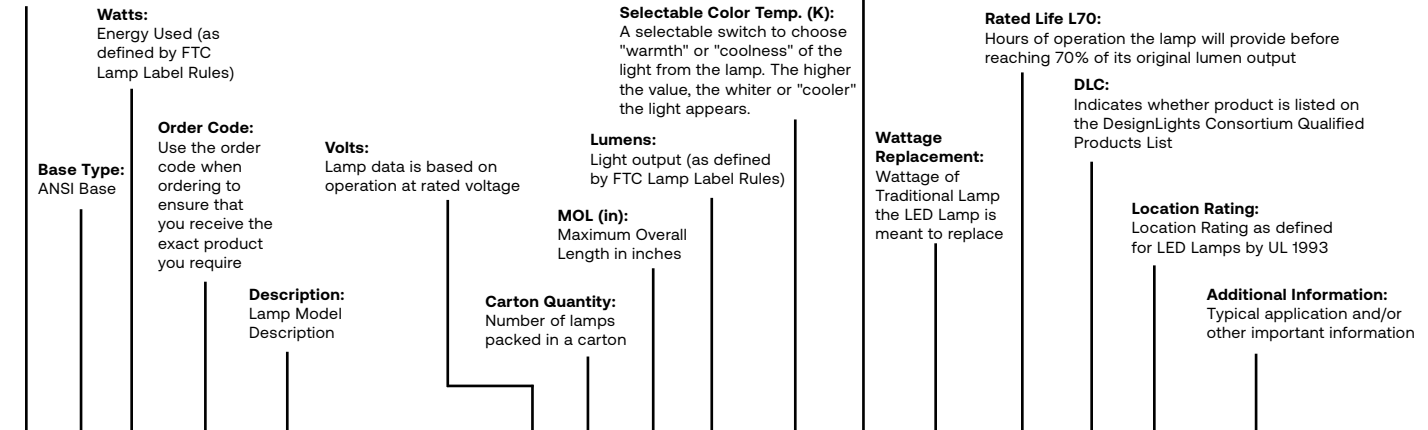
Catalog Logic:

Bulb Shape:

Bulb shape followed by its size (the maximum diameter of the bulb expressed in eighths of an inch).

Color Rendering Index (CRI or R):

An indication of the ability of the lamp to render object colors in a normal natural way. The higher the number (0-100), the better the color appearance.



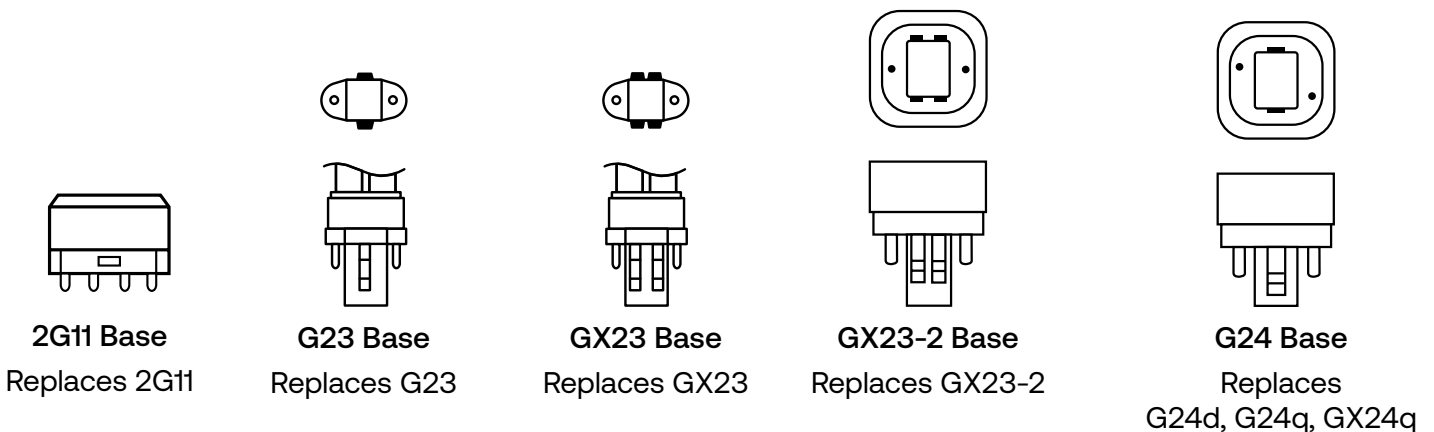
Bulb Shape	Base Type	Watts	Order Code	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial) ⁵	Selectable Color Temp. (Initial)*	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	DLC ⁴	Location Rating ³	Additional Information
Vertical Type B 2-pin - Fits in G24d and G24q sockets - Selectable Color Temperature - Ballast Bypass															

Plug-In								1000	2700K						
	G24	10.5	93300088	LED11BG24-V/8SC/120-347-4PK	120-347	24	5.9	1100	3000K	80	13/18/26	50,000	-	Damp	SpectraChoice™ (4000K Default)
								1100	3500K						Selectable Color Temperature,
								1100	4000K						Ballast Bypass, Fully Enclosed,
															4 pack

LED11BG24-H/8SC/120-347-4PK



Base Identification (not drawn to scale)



LED Lamps – Plug-in – Type B



LED Lamps – SpectraChoice™ Type B Plug-ins

SpectraChoice™ Type B Plug-in lamps feature built-in switches to select color temperature. Horizontal and vertical orientation lamps are offered in order to minimize energy consumption and improve fixture efficiency. Choose the lamp orientation that suits the application.



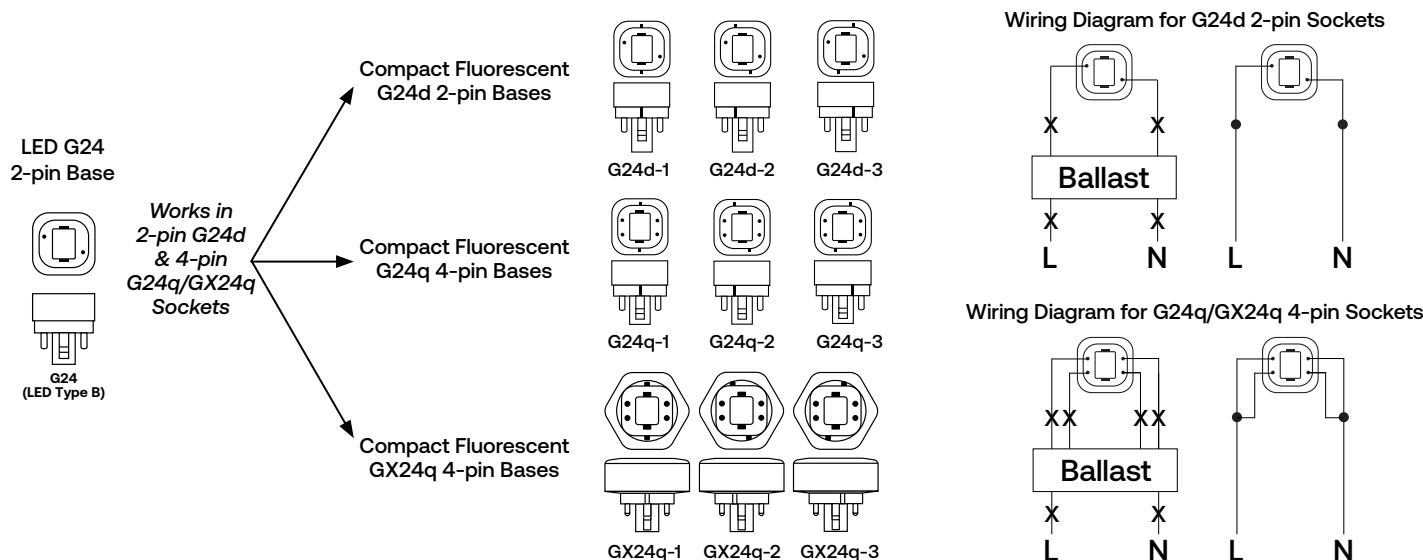
Spectra**Choice**™



LED Lamps - Plug-in - Type B



Type B LED plug-in lamps can be used in a variety of compact fluorescent sockets. By re-wiring the socket and eliminating concerns related to ballast compatibility, a single lamp can fit and operate in a wider variety of sockets. Type B LED plug-in lamp bases do not have exclusionary features related to specific wattages like CFL lamps do. A 2-pin G24 lamp can fit in 2-pin G24d or 4-pin G24q/GX24q sockets as shown below.



Ballast Bypass Selectable SpectraChoice™ G24 Plug-in Lamps - Type B

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (In)	MOD (In)	Lumens (Initial)*	Selectable Color Temp. (Initial)*	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	DLC ³ ID ⁴	Location Rating ³	Additional Information
Vertical Type B 2-pin - Fits in G24d and G24q sockets - Selectable Color Temperature - Ballast Bypass																	
	G24	10.5	93300088	26613074	LED11BG24-V/8SC/120-347-4PK	120-347	24	5.9	3.1	1000	2700K	80	13/18/26	50,000	-	Damp	SpectraChoice™ Selectable Color Temperature (4000K Default), Ballast Bypass, Fully Enclosed, 4 pack
										1100	3000K						
										1100	3500K						
										1100*	4000K*						
	G24	18	93312489	26696809	LED18BG24-V/8SC/120-347	120-347	12	6.5	3.6	1850	2700K	80	32/42	50,000	-	Damp	SpectraChoice™ Selectable Color Temperature (4000K Default), Ballast Bypass, Fully Enclosed
										1850	3000K						
										1850	3500K						
										1850*	4000K*						
Horizontal Type B 2-pin - Fits in G24d and G24q sockets - Selectable Color Temperature - Ballast Bypass																	
	G24	10.5	93300087	26613073	LED11BG24-H/8SC/120-347-4PK	120-347	24	6.4	1.9	1000	2700K	80	13/18/26	50,000	-	Damp	SpectraChoice™ Selectable Color Temperature (4000K Default), Ballast Bypass, Fully Enclosed, 4 pack
										1100	3000K						
										1100	3500K						
										1100*	4000K*						
	G24	18	93312525	26696808	LED18BG24-H/8SC/120-347	120-347	12	6.8	2.3	1850	2700K	80	32/42	50,000	-	Damp	SpectraChoice™ Selectable Color Temperature (4000K Default), Ballast Bypass, Fully Enclosed
										1850	3000K						
										1850	3500K						
										1850*	4000K*						

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ DLC® does not have a category for two-pin plug-in lamps

* Default wattage and color temperature settings noted by "*" in tables above.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

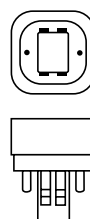
LED Lamps - Plug-in - Type B



G24 Base
Replaces G24d & G24q

Ballast Bypass Omnidirectional G24 Plug-in Lamps - Type B

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	DLC ⁴ ID ⁴	Location Rating ³	Additional Information
Omnidirectional Type B 2-pin - Fits in G24d and G24q sockets - Ballast Bypass																	
Plug-In	G24	7.5	93300068	26609605	LED8BG24-O/827-4PK	120-277	24	4.4	1.5	800	2700K	80	13	20,000	-	Damp	Fully Enclosed, 4 pack
	G24	7.5	93300069	26609606	LED8BG24-O/830-4PK	120-277	24	4.4	1.5	850	3000K	80	13	20,000	-	Damp	Fully Enclosed, 4 pack
	G24	7.5	93300080	26609607	LED8BG24-O/835-4PK	120-277	24	4.4	1.5	850	3500K	80	13	20,000	-	Damp	Fully Enclosed, 4 pack
	G24	7.5	93300081	26609608	LED8BG24-O/840-4PK	120-277	24	4.4	1.5	850	4000K	80	13	20,000	-	Damp	Fully Enclosed, 4 pack
Omnidirectional Type B 2-pin - Fits in G24d and G24q sockets - Ballast Bypass																	
Plug-In	G24	10	93300082	26609609	LED10BG24-O/827-4PK	120-277	24	5.4	1.8	1100	2700K	80	18	50,000	-	Damp	Fully Enclosed, 4 pack
	G24	10	93300083	26609610	LED10BG24-O/830-4PK	120-277	24	5.4	1.8	1200	3000K	80	18	50,000	-	Damp	Fully Enclosed, 4 pack
	G24	10	93300084	26609611	LED10BG24-O/835-4PK	120-277	24	5.4	1.8	1200	3500K	80	18	50,000	-	Damp	Fully Enclosed, 4 pack
	G24	10	93300086	26609612	LED10BG24-O/840-4PK	120-277	24	5.4	1.8	1200	4000K	80	18	50,000	-	Damp	Fully Enclosed, 4 pack



GX23-2 Base
Replaces GX23-2

Ballast Bypass Omnidirectional GX23-2 Plug-in Lamps - Type B

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	MOD (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	DLC ⁴ ID ⁴	Location Rating ³	Additional Information
Omnidirectional GX23-2 Plug-in Type B - Ballast Bypass																	
Plug-In	GX23-2	7.5	93312531	26696817	LED8BGX23-2-O/827	120-277	24	4.7	1.5	800	2700K	80	13	20,000	-	Damp	Ballast Bypass, Fully Enclosed
	GX23-2	7.5	93312537	26696818	LED8BGX23-2-O/830	120-277	24	4.7	1.5	800	3000K	80	13	20,000	-	Damp	Ballast Bypass, Fully Enclosed
	GX23-2	7.5	93312543	26696819	LED8BGX23-2-O/835	120-277	24	4.7	1.5	800	3500K	80	13	20,000	-	Damp	Ballast Bypass, Fully Enclosed
	GX23-2	7.5	93312549	26696820	LED8BGX23-2-O/840	120-277	24	4.7	1.5	800	4000K	80	13	20,000	-	Damp	Ballast Bypass, Fully Enclosed

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

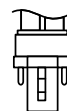
³ UL 1993 Environmental Requirements for LED LAMPS

⁴ Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁵ DLC[®] does not have a category for two-pin plug-in lamps

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - Plug-in - Type B



G23 Base
Replaces G23

Ballast Bypass G23 Plug-in Lamps - Type B

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (In)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	DLC ⁴ ID ⁴	Location Rating ³	Additional Information
G23 Plug-In Type B - Ballast Bypass																
Plug-In	G23	5	93312465	26696810	LED5BG23/827	120-277	24	5.4	500	2700K	80	7/9	50,000	-	Damp	Ballast Bypass, Fully Enclosed
	G23	5	93312471	26696811	LED5BG23/830	120-277	24	5.4	500	3000K	80	7/9	50,000	-	Damp	Ballast Bypass, Fully Enclosed
	G23	5	93312477	26696812	LED5BG23/835	120-277	24	5.4	500	3500K	80	7/9	50,000	-	Damp	Ballast Bypass, Fully Enclosed
	G23	5	93312483	26705150	LED5BG23/840	120-277	24	5.4	500	4000K	80	7/9	50,000	-	Damp	Ballast Bypass, Fully Enclosed



GX23 Base
Replaces GX23

Ballast Bypass GX23 Plug-in Lamps - Type B

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (In)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	DLC ⁴ ID ⁴	Location Rating ³	Additional Information
GX23 Plug-In Type B - Ballast Bypass																
Plug-In	GX23	5	93312495	26696813	LED5BGX23/827	120-277	24	6.8	500	2700K	80	13	50,000	-	Damp	Ballast Bypass, Fully Enclosed
	GX23	5	93312501	26696814	LED5BGX23/830	120-277	24	6.8	500	3000K	80	13	50,000	-	Damp	Ballast Bypass, Fully Enclosed
	GX23	5	93312507	26696815	LED5BGX23/835	120-277	24	6.8	500	3500K	80	13	50,000	-	Damp	Ballast Bypass, Fully Enclosed
	GX23	5	93312513	26696816	LED5BGX23/840	120-277	24	6.8	500	4000K	80	13	50,000	-	Damp	Ballast Bypass, Fully Enclosed
	GX23	5	93312519	-	LED5BGX23/850	120-277	24	6.8	500	5000K	80	13	50,000	-	Damp	Ballast Bypass, Fully Enclosed

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Not all product variations on this page are DLC qualified. DLC⁴ does not have a category for two-pin plug-in lamps. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – Plug-in – Type B



LED Lamps – SpectraChoice™ Type B Plug-ins

SpectraChoice™ Type B Plug-in lamps feature built-in switches to select color temperature. Horizontal and vertical orientation lamps are offered in order to minimize energy consumption and improve fixture efficiency. Choose the lamp orientation that suits the application.



Spectra**Choice**™



LED Lamps - Plug-in - Type B



SpectraChoice™ Ballast Bypass High Lumen Biax® 2G11 Plug-In Lamps - Type B

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)*	Selectable Color Temp (Initial)*	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	DLC ⁴	Location Rating ³	Additional Information
High Lumen Biax® Type B (HLBX) - Ballast Bypass																
HLBX	2G11	9	93318810	-	LED9B2G11/8SC	120-277	24	9.1	1000	3000K 3500K 4000K* 5000K	80	18	50,000	-	Damp	
	2G11	10	93318816	27010278	LED10B2G11/8SC	120-277	24	12.8	1200	3000K 3500K 4000K* 5000K	80	24	50,000	-	Damp	
	2G11	16	93318822	27020173	LED16B2G11/8SC	120-277	24	16.6	2000	3000K 3500K 4000K* 5000K	80	36	50,000	-	Damp	
	2G11	17	93318828	27009561	LED17B2G11/8SC	120-277	24	22.5	2200	3000K 3500K 4000K* 5000K	80	40	50,000	-	Damp	

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

* Default wattage and color temperature settings noted by "*" in tables above.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – Directional



LED Lamps – PARs

Current offers LED PAR lamps featuring the exclusive Visual Comfort Lens design. With advanced optics and reduced glare, these lamps offer the light qualities desired by merchants for retail applications.

High output and value lines are also available to serve applications needing higher lumens or when advanced optics are not required.



LED Lamps - Directional



Catalog Logic:

Bulb Shape:

Bulb shape followed by its size (the maximum diameter of the bulb expressed in eighths of an inch).

Watts:

Energy Used (as defined by FTC Lamp Label Rules)

Lumens:

Light output (as defined by FTC Lamp Label Rules)

Color Rendering Index (CRI or R):

An indication of the ability of the lamp to render object colors in a normal natural way. The higher the number (0-100), the better the color appearance.

Dimmable:

Indicates whether a lamp is dimmable or not

Base Type:

ANSI Base

Order Code:

Use the order code when ordering to ensure that you receive the exact product you require

Description:

Lamp Model Description

Volts:

Lamp data is based on operation at rated voltage

MOL (in):

Maximum Overall Length in inches

Carton Quantity:

Number of lamps packed in a carton

Color Temperature (K):

A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value, the whiter or "cooler" the light appears.

Wattage Replacement:

Wattage of Traditional Lamp the LED Lamp is meant to replace

Rated Life L70:

Hours of operation the lamp will provide before reaching 70% of its original lumen output

Location Rating:

Location Rating as defined for LED Lamps by UL 1993

Additional Information:

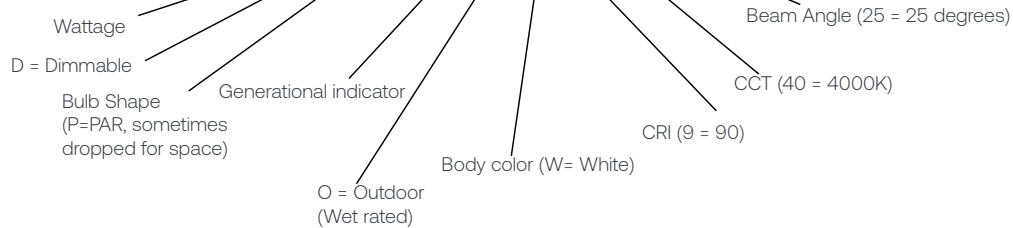
Typical application and/or other important information

Beam Angle:
Degrees

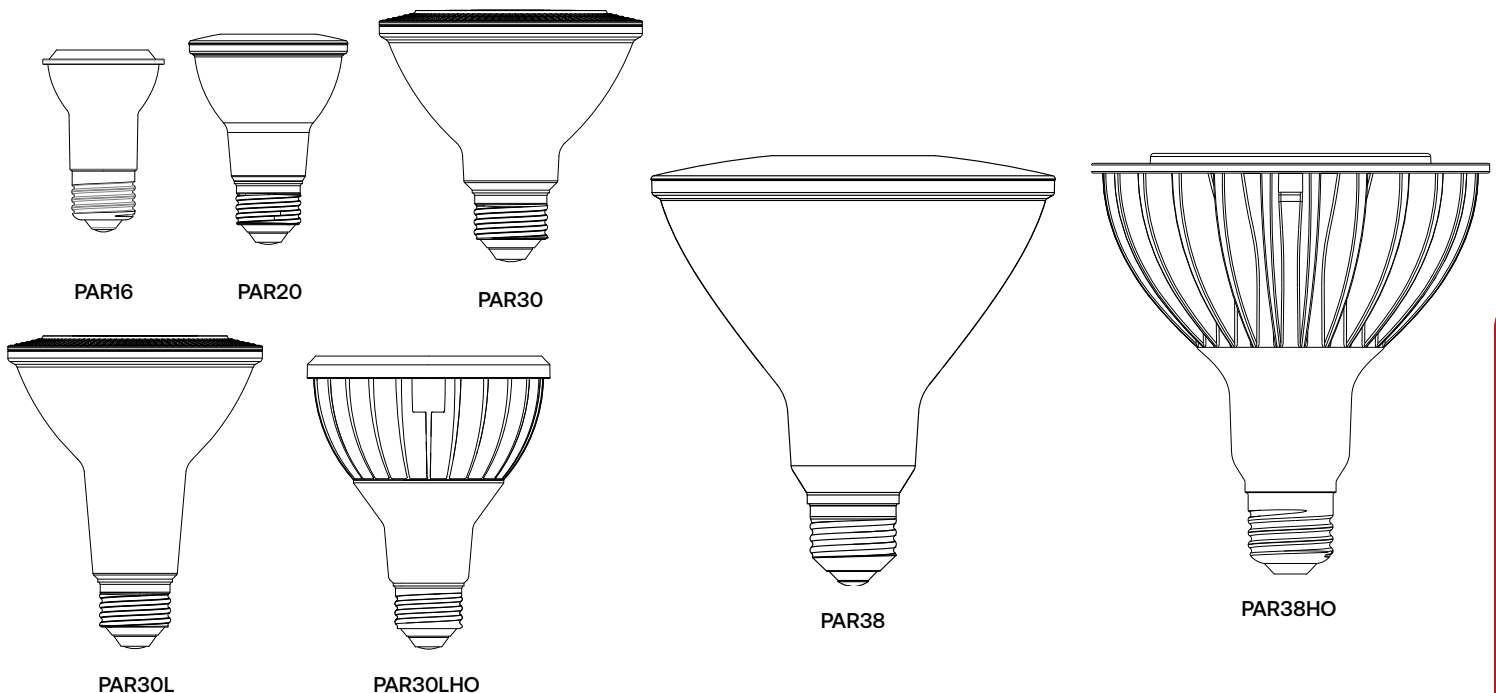
Housing Color:
Color of lamp body

Bulb Shape	Base Type	Watts	Order Code	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	CBCP	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Beam Angle	Housing Color	Additional Information
PAR38	E26	18	93311937	LED18DP38ROW940/25	120	6	5.2	1700	6500	4000K	90	120	25,000	Yes	Wet	25°	White	CEC Title 20

LED18DP38ROW940/25



Lamp Drawings (not drawn to scale)



LED Lamps – Directional



Selectable LED Lamps – PARs

Experience the flexibility of lighting that adapts to your needs. Current's PAR20, PAR30 and PAR30L lamps provide SpectraChoice™ for selectable color temperature and BeamSelect to easily change between 25° and 40° beam angles, all with the flick of a switch, no tools required. Lamps available in both black and white housings.

LumenChoice® + SpectraChoice™ and BeamSelect PAR38 lamps maximize the potential to reduce inventory and streamline product lists. These lamps allow installers to react to a wide variety of needs, providing the ability to adjust the color temperature of the light and the brightness, along with the beam angle, to provide the best light for every environment. Lamps available in both black and white housings.

Selectable PAR20 Lamps



Selectable SpectraChoice™ and BeamSelect Directional Lamps

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Watts	Lumens (Initial)	Selectable Beam Angle	CBCP	Selectable Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Housing Color	Additional Information
PAR 20 Selectable																			
PAR20	E26	93322373	-	LED5DP20W/9SC/BC	120	6	3.4	5.5	500	25° 40°*	1900 800*	2700K 3000K* 3500K 4000K 5000K	90	50	25,000	Yes	Damp	White	CEC Title 20, Enclosed
	E26	93322379	-	LED5DP20B/9SC/BC	120	6	3.4	5.5	500	25° 40°*	1900 800*	2700K 3000K* 3500K 4000K 5000K	90	50	25,000	Yes	Damp	Black	CEC Title 20, Enclosed

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

* Default settings noted by "*" in tables above

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - Directional



Selectable PAR30 Short Neck Lamps



Selectable SpectraChoice™ and BeamSelect Directional Lamps

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Watts	Lumens (Initial)	Selectable Beam Angle	Selectable Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Housing Color	Additional Information
PAR 30 Selectable																		
PAR30	E26	93322385	-	LED10DP30W/9SC/BC	120	6	3.7	10	1000	25° 40°*	3600 1500*	90	75	25,000	Yes	Damp	White	CEC Title 20, Enclosed
											2700K 3000K* 3500K 4000K 5000K							
E26		93322391	-	LED10DP30B/9SC/BC	120	6	3.7	10	1000	25° 40°*	3600 1500*	90	75	25,000	Yes	Damp	Black	CEC Title 20, Enclosed
											2700K 3000K* 3500K 4000K 5000K							

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

* Default settings noted by "*" in tables above

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – Directional



Selectable PAR30 Long Neck Lamps



Selectable SpectraChoice™ and BeamSelect Directional Lamps

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Watts	Lumens (Initial)	Selectable Beam Angle	CBCP	Selectable Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Housing Color	Additional Information
PAR 30 Long Neck Selectable																			
PAR30L	E26	93322397	-	LED10DP30LW/9SC/BC	120	6	4.7	10	1000	25° 40°*	3600 1500*	2700K 3000K* 3500K 4000K 5000K	90	75	25,000	Yes	Damp	White	CEC Title 20, Enclosed
E26	93322403	-	LED10DP30LB/9SC/BC	120	6	4.7	10	1000	1000	25° 40°*	3600 1500*	2700K 3000K* 3500K 4000K 5000K	90	75	25,000	Yes	Damp	Black	CEC Title 20, Enclosed

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

* Default settings noted by "*" in tables above

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - Directional



Selectable PAR38 Lamps



Selectable LumenChoice® + SpectraChoice™ and BeamSelect Directional Lamps

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Selectable Watts	Selectable Lumens (Initial)	Selectable Beam Angle	Selectable CCT	Selectable Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Housing Color	Additional Information
PAR 38 Selectable																			
PAR38	E26	93322409	-	LED/LC/DP38W/9SC/BC	120	6	5.3	9	900	25°	3700	2700K 3000K* 3500K 4000K 5000K	90	75 100 120	25,000	Yes	Wet	White	CEC Title 20, Enclosed
								12	1200	40°*	1500*								
										25°	4700								
								15*	1450*	40°*	1800*								
E26	93322415	-	LED/LC/DP38B/9SC/BC	120	6	5.3	5.3	9	900	25°	3700	2700K 3000K* 3500K 4000K 5000K	90	75 100 120	25,000	Yes	Wet	Black	CEC Title 20, Enclosed
								12	1200	40°*	1500*								
										25°	4700								
								15*	1450*	40°*	1800*								

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Wet Location - Location in which water or other liquid can drip, splash, or flow on or against electrical equipment

When installing outdoors, ensure the socket used is suitably Listed for use in Wet locations and socket gaskets provided by the manufacturer are correctly attached.

* Default settings noted by ** in tables above

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - Directional



Directional Lamps (PAR16 - PAR20)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	CBCP	Color Temp. (Initial)	CRI	Wattage Replace-ment	Rated Life L70 (Hrs) ¹	Dim-mable	Location Rating ³	Beam Angle	Housing Color	Additional Information
Compact PAR16																			
PAR16	E26	6	93305603	26661149	LED6DP16W830/35-6PK	120	24	3.0	550	1000	3000K	80	60	25,000	Yes	Damp	35°	White	6 pack
Compact PAR20																			
PAR20	E26	7	93349	25723307	LED7DP203B827/20	120	6	3.5	500	2500	2700K	80	50	25,000	Yes	Damp	20°	Black	
	E26	7	93360	25720190	LED7DP203W827/20	120	6	3.5	500	2500	2700K	80	50	25,000	Yes	Damp	20°	White	
	E26	7	93311901	-	LED7DP20OB927/35	120	6	3.5	500	966	2700K	90	50	25,000	Yes	Wet	35°	Black	CEC Title 20
	E26	7	93311900	-	LED7DP20OW927/35	120	6	3.5	500	966	2700K	90	50	25,000	Yes	Wet	35°	White	CEC Title 20
	E26	7	93327	25726433	LED7DP203B830/20	120	6	3.5	520	2500	3000K	80	50	25,000	Yes	Damp	20°	Black	
	E26	7	93347	25704808	LED7DP203W830/20	120	6	3.5	520	2500	3000K	80	50	25,000	Yes	Damp	20°	White	
	E26	7	93311903	26717828	LED7DP20OB930/35	120	6	3.5	520	966	3000K	90	50	25,000	Yes	Wet	35°	Black	CEC Title 20
	E26	7	93311902	26729850	LED7DP20OW930/35	120	6	3.5	520	966	3000K	90	50	25,000	Yes	Wet	35°	White	CEC Title 20

Directional Lamps (PAR20 - High Output)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	CBCP	Color Temp. (Initial)	CRI	Wattage Replace-ment	Rated Life L70 (Hrs) ¹	Dim-mable	Location Rating ³	Beam Angle	Housing Color	Additional Information
PAR 20 - High Output																			
PAR20	E26	10	93318877	-	LED10DP20W930/35	120	6	3.5	900	2300	3000K	90	100	25,000	Yes	Damp	35°	White	CEC Title 20

Directional Lamps (PAR30 - Visual Comfort Lens)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	CBCP	Color Temp. (Initial)	CRI	Wattage Replace-ment	Rated Life L70 (Hrs) ¹	Dim-mable	Location Rating ³	Beam Angle	Housing Color	Additional Information
PAR30 - Low Glare - Visual Comfort Lens																			
PAR30	E26	12	93311923	-	LED12DP30RW927/25	120	6	3.6	1050	3800	2700K	90	75	25,000	Yes	Damp	25°	White	CEC Title 20
	E26	12	93311925	26714609	LED12DP30RB927/40	120	6	3.6	1050	2200	2700K	90	75	25,000	Yes	Damp	40°	Black	CEC Title 20
	E26	12	93311924	-	LED12DP30RW927/40	120	6	3.6	1050	2200	2700K	90	75	25,000	Yes	Damp	40°	White	CEC Title 20
	E26	12	93311926	26700108	LED12DP30RW930/25	120	6	3.6	1050	3900	3000K	90	75	25,000	Yes	Damp	25°	White	CEC Title 20
	E26	12	93311927	26705760	LED12DP30RW930/40	120	6	3.6	1050	2200	3000K	90	75	25,000	Yes	Damp	40°	White	CEC Title 20
PAR30 Long Neck - Low Glare - Visual Comfort Lens																			
PAR30L	E26	12	93312005	-	LED12DP30LRW927/25	120	6	4.7	1050	3800	2700K	90	75	25,000	Yes	Damp	25°	White	CEC Title 20
	E26	12	93312006	-	LED12DP30LRW927/40	120	6	4.7	1050	2200	2700K	90	75	25,000	Yes	Damp	40°	White	CEC Title 20
	E26	12	93312007	-	LED12DP30LRW930/25	120	6	4.7	1050	3900	3000K	90	75	25,000	Yes	Damp	25°	White	CEC Title 20
	E26	12	93312008	26698614	LED12DP30LRW930/40	120	6	4.7	1050	2200	3000K	90	75	25,000	Yes	Damp	40°	White	CEC Title 20
	E26	12	93316394	26704115	LED12DP30LRB930/40	120	6	4.7	1050	2200	3000K	90	75	25,000	Yes	Damp	40°	Black	CEC Title 20

Directional Lamps (PAR30 - Value)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	CBCP	Color Temp. (Initial)	CRI	Wattage Replace-ment	Rated Life L70 (Hrs) ¹	Dim-mable	Location Rating ³	Beam Angle	Housing Color	Additional Information
PAR30 - TIR Lens																			
PAR30	E26	12	93153892	26622666	LED12DP30VOW830/25-4PK	120	16	3.66	850	3400	3000K	80	75	15,000	Yes	Wet	25°	White	4 pack
PAR30 Long Neck - TIR Lens																			
PAR30L	E26	12	93153891	26622667	LED12DP30LVOW830/25-4PK	120	16	4.69	850	3400	3000K	80	75	15,000	Yes	Wet	25°	White	4 pack

Directional Lamps (PAR30 - High Output)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	CBCP	Color Temp. (Initial)	CRI	Wattage Replace-ment	Rated Life L70 (Hrs) ¹	Dim-mable	Location Rating ³	Beam Angle	Housing Color	Additional Information
PAR 30 Long Neck - High Output - Universal 120-277V - Finned Heat Sink																			
PAR30L	E26	18	75089	25868098	LED18P30LW83015	120-277	6	4.6	1800	15500	3000K	80	75	25,000	-	Damp	15°	White	
	E26	18	75091	25868099	LED18P30LW83025	120-277	6	4.6	1800	7000	3000K	80	75	25,000	-	Damp	25°	White	
	E26	18	75065	26349705	LED18P30LW93015	120-277	6	4.6	1400	12500	3000K	90	75	25,000	-	Damp	15°	White	
	E26	18	75078	26035436	LED18P30LW93025	120-277	6	4.6	1400	5000	3000K	90	75	25,000	-	Damp	25°	White	
PAR 30 Long Neck - High Output - Smooth Heat Sink																			
PAR30L	E26	20	93318893	-	LED20DP30LW930/35	120	6	4.7	2100	3750	3000K	90	150	25,000	Yes	Damp	35°	White	CEC Title 20

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

Wet Location - Location in which water or other liquid can drip, splash, or flow on or against electrical equipment.

When installing outdoors, ensure the socket used is suitably Listed for use in Wet locations and socket gaskets provided by the manufacturer are correctly attached.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - Directional



Directional Lamps (PAR38 - Visual Comfort Lens)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	CBCP	Color Temp. (Initial)	CRI	Wattage Replace-ment	Rated Life L70 (Hrs) ¹	Dim-mable	Location Rating ³	Beam Angle	Housing Color	Additional Information
PAR38 - Low Glare - Visual Comfort Lens																			
PAR38	E26	12	93311944	-	LED12DP38ROW927/25	120	6	5.2	1050	5400	2700K	90	100	25,000	Yes	Wet	25°	White	CEC Title 20
	E26	12	93311945	-	LED12DP38ROW927/40	120	6	5.2	1050	2300	2700K	90	100	25,000	Yes	Wet	40°	White	CEC Title 20
	E26	12	93311946	-	LED12DP38ROW930/25	120	6	5.2	1050	5400	3000K	90	100	25,000	Yes	Wet	25°	White	CEC Title 20
	E26	12	93311947	27026300	LED12DP38ROW930/40	120	6	5.2	1050	2300	3000K	90	100	25,000	Yes	Wet	40°	White	CEC Title 20
	E26	12	93318835	-	LED12DPAR38ROW927/25	120	6	5.2	1300	5800	2700K	90	100	25,000	Yes	Wet	25°	White	CEC Title 20
	E26	12	93318841	-	LED12DPAR38ROW927/40	120	6	5.2	1300	3000	2700K	90	100	25,000	Yes	Wet	40°	White	CEC Title 20
	E26	12	93318847	-	LED12DPAR38ROW930/25	120	6	5.2	1300	5800	3000K	90	100	25,000	Yes	Wet	25°	White	CEC Title 20
	E26	12	93318853	-	LED12DPAR38ROW930/40	120	6	5.2	1300	3000	3000K	90	100	25,000	Yes	Wet	40°	White	CEC Title 20
	E26	16	93313077	-	LED16DP38ROW930/15	120	6	5.2	1550	15000	3000K	90	120	25,000	Yes	Wet	15°	White	CEC Title 20
	E26	16	93313079	-	LED16DP38ROW830/15	120	6	5.2	1800	18000	3000K	80	120	25,000	Yes	Wet	15°	White	
	E26	16	93313081	-	LED16DP38ROW830/15	120	6	5.2	1800	18000	3000K	80	120	25,000	Yes	Wet	15°	Silver	
	E26	18	92923	25704443	LED18DP38W3927/25	120	6	5.31	1250	4900	2700K	92	100	25,000	Yes	Damp	25°	White	
	E26	18	93311929	-	LED18DP38ROW927/25	120	6	5.2	1550	5800	2700K	90	120	25,000	Yes	Wet	25°	White	CEC Title 20
	E26	18	93311930	-	LED18DP38ROW927/40	120	6	5.2	1550	3700	2700K	90	150	25,000	Yes	Wet	40°	White	CEC Title 20
	E26	18	92961	25901028	LED18DP38W3830/15	120	6	5.31	1750	20000	3000K	81	150	25,000	Yes	Damp	15°	White	
	E26	18	93311932	-	LED18DP38ROW930/25	120	6	5.2	1550	6000	3000K	90	120	25,000	Yes	Wet	25°	Black	CEC Title 20
	E26	18	93311931	26718003	LED18DP38ROW930/25	120	6	5.2	1550	6000	3000K	90	120	25,000	Yes	Wet	25°	White	CEC Title 20
	E26	18	93311933	-	LED18DP38ROW930/25	120	6	5.2	1550	6000	3000K	90	120	25,000	Yes	Wet	25°	Silver	CEC Title 20
	E26	18	93311934	26698615	LED18DP38ROW930/40	120	6	5.2	1550	3800	3000K	90	150	25,000	Yes	Wet	40°	White	CEC Title 20
	E26	18	93316388	26704114	LED18DP38ROW930/40	120	6	5.2	1550	3800	3000K	90	150	25,000	Yes	Wet	40°	Black	CEC Title 20
	E26	18	93311935	-	LED18DP38ROW935/25	120	6	5.2	1700	6500	3500K	90	120	25,000	Yes	Wet	25°	White	CEC Title 20
	E26	18	93311936	-	LED18DP38ROW935/40	120	6	5.2	1700	4200	3500K	90	150	25,000	Yes	Wet	40°	White	CEC Title 20
	E26	18	93311937	-	LED18DP38ROW940/25	120	6	5.2	1700	6500	4000K	90	120	25,000	Yes	Wet	25°	White	CEC Title 20
	E26	18	93311938	26709465	LED18DP38ROW940/40	120	6	5.2	1700	4200	4000K	90	150	25,000	Yes	Wet	40°	White	CEC Title 20
	E26	18	93311939	-	LED18DP38ROW950/25	120	6	5.2	1700	6500	5000K	90	120	25,000	Yes	Wet	25°	White	CEC Title 20
	E26	18	93311940	26719027	LED18DP38ROW950/40	120	6	5.2	1700	4200	5000K	90	150	25,000	Yes	Wet	40°	White	CEC Title 20

Directional Lamps (PAR38 - High Output)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	CBCP	Color Temp. (Initial)	CRI	Wattage Replace-ment	Rated Life L70 (Hrs) ¹	Dim-mable	Location Rating ³	Beam Angle	Housing Color	Additional Information
PAR 38 - High Output - TIR Lens - Smooth Housing																			
PAR38	E26	27	93314739	-	LED27DP38OW830/15	120	6	5.3	3100	20000	3000K	80	250	25,000	Yes	Wet	15°	White	
	E26	27	93314751	-	LED27DP38OW830/25	120	6	5.3	3100	10000	3000K	80	250	25,000	Yes	Wet	25°	White	
	E26	27	93314753	-	LED27DP38OW830/40	120	6	5.3	3100	5000	3000K	80	250	25,000	Yes	Wet	40°	White	
	E26	27	93314755	-	LED27DP38OW835/15	120	6	5.3	3100	20000	3500K	80	250	25,000	Yes	Wet	15°	White	
	E26	27	93314757	-	LED27DP38OW835/25	120	6	5.3	3100	10000	3500K	80	250	25,000	Yes	Wet	25°	White	
	E26	27	93314759	-	LED27DP38OW835/40	120	6	5.3	3100	5000	3500K	80	250	25,000	Yes	Wet	40°	White	
PAR 38 - High Output - TIR Lens - Finned Heat Sink																			
PAR38	E26	32	88801	25917617	LED32DP38W830/25	120	6	5.12	3000	13000	3000K	80	250	25,000	Yes	Wet	25°	White	
	E26	32	88810	25899051	LED32DP38W830/40	120	6	5.12	3000	6000	3000K	80	250	25,000	Yes	Wet	40°	White	
	E26	32	30233	26035437	LED32DP38W835/15	120	6	5.12	3100	25000	3500K	80	250	25,000	Yes	Wet	15°	White	
	E26	32	30239	25975355	LED32DP38W835/40	120	6	5.12	3100	6000	3500K	80	250	25,000	Yes	Wet	40°	White	
	E26	32	20109	26050020	LED32P38W830/15	120-277	6	5.12	3000	25000	3000K	80	250	25,000	-	Wet	15°	White	
	E26	32	20130	26050021	LED32P38W830/25	120-277	6	5.12	3000	13000	3000K	80	250	25,000	-	Wet	25°	White	
	E26	32	20137	26050022	LED32P38W830/40	120-277	6	5.12	3000	6000	3000K	80	250	25,000	-	Wet	40°	White	
	E26	32	93325375	-	LED32P38W850/25	120-277	6	5.12	3000	13000	5000K	80	250	25,000	-	Wet	25°	White	

Directional Lamps (PAR38 - Value)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	CBCP	Color Temp. (Initial)	CRI	Wattage Replace-ment	Rated Life L70 (Hrs) ¹	Dim-mable	Location Rating ³	Beam Angle	Housing Color	Additional Information
PAR38 - TIR Lens																			
PAR38	E26	15	93153880	26613843	LED15DP38VOW830/35-4PK	120	16	5.31	1300	2300	3000K	80	90	15,000	Yes	Wet	35°	White	4 pack

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

Wet Location - Location in which water or other liquid can drip, splash, or flow on or against electrical equipment

When installing outdoors, ensure the socket used is suitably Listed for use in Wet locations and socket gaskets provided by the manufacturer are correctly attached.

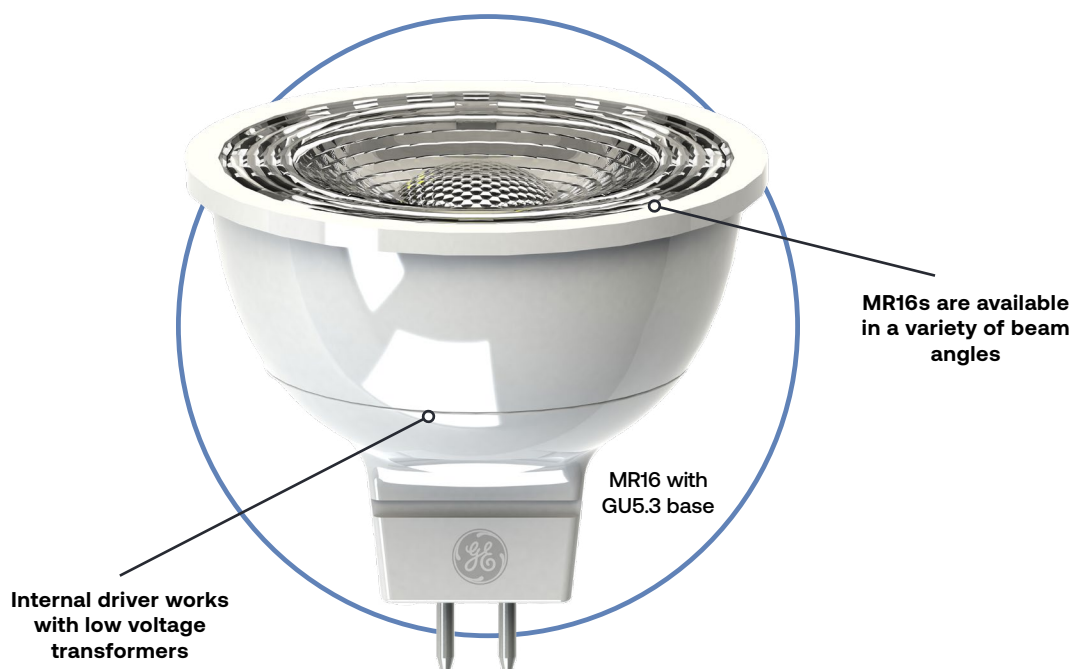
Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – Directional

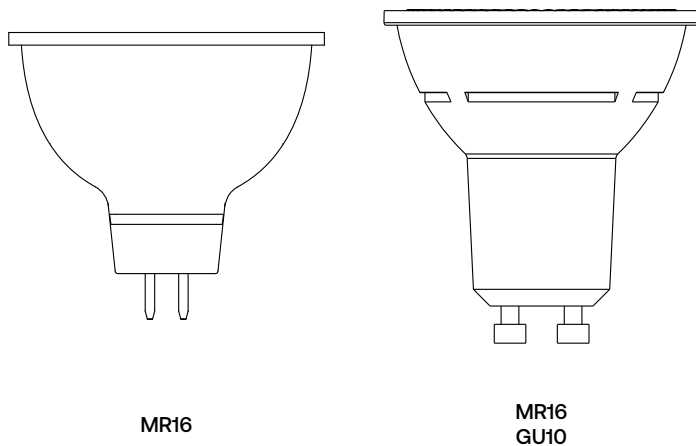


LED Lamps – MR16s

LED MR16 lamps are the perfect solution for high output in decorative lighting applications. The lamps are dimmable, long-lasting and available in a variety of beam angles and color temperatures.



Lamp **Drawings** (not drawn to scale)



MR16

MR16
GU10

LED Lamps - Directional



Catalog Logic:

Bulb Shape:

Bulb shape followed by its size (the maximum diameter of the bulb expressed in eighths of an inch).

Watts:

Energy Used (as defined by FTC Lamp Label Rules)

Order Code:
Use the order code when ordering to ensure that you receive the exact product you require

Description:
Lamp Model Description

Volts:
Lamp data is based on operation at rated voltage

Carton Quantity:
Number of lamps packed in a carton

Lumens:
Light output (as defined by FTC Lamp Label Rules)

MOL (in):
Maximum Overall Length in inches

CBCP:
Center Beam Candle Power

Color Temperature (K):

A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value, the whiter or "cooler" the light appears.

Color Rendering Index (CRI or R):

An indication of the ability of the lamp to render object colors in a normal natural way. The higher the number (0-100), the better the color appearance.

Wattage Replacement:
Wattage of Traditional Lamp the LED Lamp is meant to replace

Dimmable:
Indicates whether a lamp is dimmable or not

Rated Life L70:
Hours of operation the lamp will provide before reaching 70% of its original lumen output

Location Rating:
Location Rating as defined for LED Lamps by UL 1993

Beam Angle:
Degrees

Additional Information:
Typical application and/or other important information

Housing Color:
Color of lamp body

Bulb Shape	Base Type	Watts	Order Code	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	CBCP	Color Temp (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Beam Angle	Housing Color	Additional Information ⁴
12 Volt AC/DC MR16																		
GU5.3	6.5	75155	LED6.5DMR16W82715		12	6	1.87	500	4900	2700K	80	50	25,000	Yes	Damp	15°	White	

LED6.5DMR16W82715

Wattage

D = Dimmable

Bulb Shape

Body color (W= White)

CRI (8 = 80)

CCT (27 = 2700K)

Beam Angle (15 = 15 degrees)

Directional Lamps (MR16-GU10)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	CBCP	Color Temp (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Beam Angle	Housing Color	Additional Information ⁴
12 Volt AC/DC MR16																			
GU5.3	6.5	75155	26055990	LED6.5DMR16W82715		12	6	1.87	500	4900	2700K	80	50	25,000	Yes	Damp	15°	White	
GU5.3	6.5	75153	26349813	LED6.5DMR16W83015		12	6	1.87	520	4900	3000K	80	50	25,000	Yes	Damp	15°	White	
GU5.3	6.5	75158	26349809	LED6.5DMR16W84015		12	6	1.87	550	5000	4000K	80	50	25,000	Yes	Damp	15°	White	
GU5.3	6.5	93226	26096235	LED6.5DMR16W82725		12	6	1.79	500	2350	2700K	80	50	25,000	Yes	Damp	25°	White	
GU5.3	6.5	93222	26039532	LED6.5DMR16W83025		12	6	1.79	520	2350	3000K	80	50	25,000	Yes	Damp	25°	White	
GU5.3	6.5	93228	26138229	LED6.5DMR16W84025		12	6	1.79	550	2400	4000K	80	50	25,000	Yes	Damp	25°	White	
GU5.3	6.5	93227	26036116	LED6.5DMR16W82735		12	6	1.79	500	1350	2700K	80	50	25,000	Yes	Damp	35°	White	
GU5.3	6.5	93097010	-	LED6.5DMR16B82735		12	6	1.79	500	1350	2700K	80	50	25,000	Yes	Damp	35°	Black	
GU5.3	6.5	93223	26029338	LED6.5DMR16W83035		12	6	1.79	520	1350	3000K	80	50	25,000	Yes	Damp	35°	White	
GU5.3	6.5	93229	26239018	LED6.5DMR16W84035		12	6	1.79	550	1400	4000K	80	50	25,000	Yes	Damp	35°	White	
Value 12 Volt AC/DC MR16																			
GU5.3	4.5	34560	26349748	LED4.5MR1682735		12	6	1.78	380	1000	2700K	80	35	25,000	Yes	Dry	35°	White	
GU5.3	4.5	34561	26349749	LED4.5MR1683035		12	6	1.78	400	1000	3000K	80	35	25,000	Yes	Dry	35°	White	
GU5.3	4.5	34563	26338875	LED4.5MR1684035		12	6	1.78	400	1100	4000K	80	35	25,000	Yes	Dry	35°	White	
GU5.3	6.5	34606	26349787	LED6.5MR1682725		12	6	1.78	500	2350	2700K	80	50	25,000	Yes	Dry	25°	White	
GU5.3	6.5	34607	26349788	LED6.5MR1682735		12	6	1.78	500	1350	2700K	80	50	25,000	Yes	Dry	35°	White	
GU5.3	6.5	34611	26349789	LED6.5MR1683025		12	6	1.78	530	2350	3000K	80	50	25,000	Yes	Dry	25°	White	
GU5.3	6.5	34625	26349790	LED6.5MR1683035		12	6	1.78	530	1350	3000K	80	50	25,000	Yes	Dry	35°	White	
120V GU10																			
GU10	4	93305604	-	LED4D/GU10W830/35-6PK		120	24	2.1	320	370	3000K	80	35	25,000	Yes	Damp	35°	White	6 pack
GU10	5.5	93305605	-	LED5D/GU10W830/35-6PK		120	24	2.1	500	595	3000K	80	50	25,000	Yes	Damp	35°	White	6 pack

* Check dimmer and transformer compatibility at LED.com/dimming

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

Dry Location - Location not normally subject to dampness, but may include a location subject to temporary dampness (i.e., building under construction, provided ventilation is adequate to prevent an accumulation of moisture)

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – Directional



LED Lamps – RS Cans

RS Cans make downlight retrofits easy, with a medium base pigtail. Use the existing socket for power and provide a finished look to the ceiling without having to replace the existing fixture.



LED Lamps - Directional



Catalog Logic:

Bulb Shape:

Bulb shape followed by its size (the maximum diameter of the bulb expressed in eighths of an inch).

Watts:

Energy Used (as defined by FTC Lamp Label Rules)

Lumens:

Light output (as defined by FTC Lamp Label Rules)

MOL (in):

Maximum Overall Length in inches

Color Rendering Index (CRI or R):

An indication of the ability of the lamp to render object colors in a normal natural way. The higher the number (0-100), the better the color appearance.

Wattage Replacement:

Wattage of Traditional Lamp the LED Lamp is meant to replace

Additional Information:

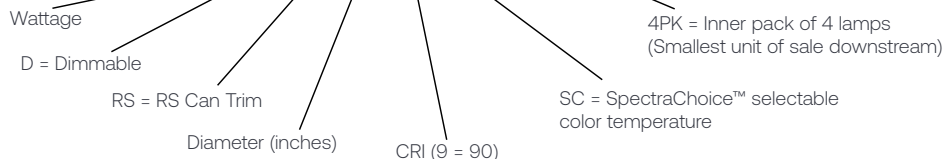
Typical application and/or other important information

Bulb Shape	Base Type	Watts	Order Code	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp (Initial)	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
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RS Cans														
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E26	8	93162554	LED8DRS4/9SC-4PK	120	16	2.4	700	2700/3000/4000/5000K	90	65	50,000	Yes	Damp	4" Can, Pigtail, 24-JA8, 4 pack	Title
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LED8DRS6/9SC-4PK



Selectable SpectraChoice™ RS Cans (Dimmable)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Selectable Color Temperature*	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
Selectable RS Cans																
RS Can																
	E26	8	93162554	26613070	LED8DRS4/9SC-4PK	120	16	2.4	700	2700K 3000K* 4000K 5000K	90	65	50,000	Yes	Damp	4" Can, Pigtail, Title 24-JA8, 4 pack
	E26	8	93162555	26613071	LED8DRS6/9SC-4PK	120	16	2.8	700	2700K 3000K* 4000K 5000K	90	65	50,000	Yes	Damp	6" Can, Pigtail, Title 24-JA8, 4 pack
	E26	12	93162556	26613072	LED12DRS6/9SC-4PK	120	16	2.8	1100	2700K 3000K* 4000K 5000K	90	90	50,000	Yes	Damp	6" Can, Pigtail, Title 24-JA8, 4 pack

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

* Default color temperature setting is 3000K.

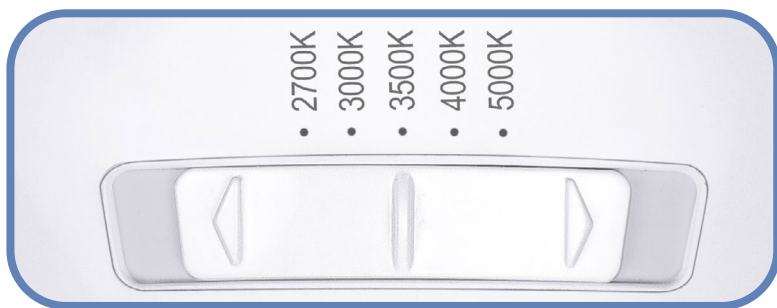
Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – Directional



LED Lamps – SpectraChoice™ Reflector Lamps (Dimmable)

SpectraChoice™ Reflector lamps feature built-in switches to select color temperature. These lamps are offered in R20, BR30 and BR40 shapes. Three lamps can cover the vast majority of Reflector applications, providing a great opportunity to reduce inventory and simplify BOMs.



SpectraChoice™



R20



BR30



BR40

SpectraChoice™ Reflector Lamps (Dimmable)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (In)	Lumens (Initial)	Selectable Color Temp (Initial)*	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
R20																
	E26	5.5	93318859	27006986	LED5DR20/9SC	120	6	4.0	500	2700K 3000K* 3500K 4000K 5000K	90	45	15,000	Yes	Damp	CEC Title 20, Enclosed, Frosted, White body
BR30																
	E26	8	93318865	27006987	LED8DBR30/9SC	120	6	5.4	650	2700K 3000K* 3500K 4000K 5000K	90	65	15,000	Yes	Damp	CEC Title 20, Enclosed, Frosted, White body
BR40																
	E26	12	93318871	27006988	LED12DBR40/9SC	120	6	6.4	1050	2700K 3000K* 3500K 4000K 5000K	90	65	15,000	Yes	Damp	CEC Title 20, Enclosed, Frosted, White body

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

* Lumen levels correspond with color temperature. Default color temperature setting is 3000K.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - Directional



Catalog Logic:

Bulb Shape:

Bulb shape followed by its size (the maximum diameter of the bulb expressed in eighths of an inch).

Watts:

Energy Used (as defined by FTC Lamp Label Rules)

Lumens:

Light output (as defined by FTC Lamp Label Rules)

Color Temperature (K):

A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value, the whiter or "cooler" the light appears.

Color Rendering Index (CRI or R):

An indication of the ability of the lamp to render object colors in a normal natural way. The higher the number (0-100), the better the color appearance.

Base Type:

ANSI Base

Order Code:
Use the order code when ordering to ensure that you receive the exact product you require

Carton Quantity:
Number of lamps packed in a carton

Volts:
Lamp data is based on operation at rated voltage

Description:
Lamp Model Description

MOL (in):
Maximum Overall Length in inches

CBCP:
Center Beam Candle Power

Wattage Replacement:
Wattage of Traditional Lamp the LED Lamp is meant to replace

Dimmable:
Indicates whether a lamp is dimmable or not

Location Rating:
Location Rating as defined for LED Lamps by UL 1993

Rated Life L70:
Hours of operation the lamp will provide before reaching 70% of its original lumen output

Additional Information:
Typical application and/or other important information

Bulb Shape	Base Type	Watts	Order Code	Description	Volts	Carton Qty ²	MOL (In)	Lumens (Initial)	Color Temp (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
BR30	E26	8	93305510	LED8DBR30/940-6PK	120	24	5.4	650	4000K	90	65	15,000	Yes	Damp	White body, 6 pack, CEC Title 20

LED8DBR30/940

Wattage

D = Dimmable

Bulb Shape

CRI (9 = 90)

CCT (40 = 4000K)

Reflector Lamps (Dimmable)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (In)	Lumens (Initial)	Color Temp (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
BR30	E26	8	93305498	26691043	LED8DBR30/927-6PK	120	24	5.4	650	2700K	90	65	15,000	Yes	Damp	White body, 6 pack, CEC Title 20
	E26	8	93305499	-	LED8DBR30/930-6PK	120	24	5.4	650	3000K	90	65	15,000	Yes	Damp	White body, 6 pack, CEC Title 20
	E26	8	93305510	27009562	LED8DBR30/940-6PK	120	24	5.4	650	4000K	90	65	15,000	Yes	Damp	White body, 6 pack, CEC Title 20
	E26	8	93305512	-	LED8DBR30/950-6PK	120	24	5.4	650	5000K	90	65	15,000	Yes	Damp	White body, 6 pack, CEC Title 20
	E26	10	68160	25481087	LED10DR303/827W	120	6	5.4	700	2700K	80	65	25,000	Yes	Damp	Frosted, White body
	E26	10	68161	25477645	LED10DR303/830W	120	6	5.4	700	3000K	80	65	25,000	Yes	Damp	Frosted, White body
	E26	10	69107	25869653	LED10DR303/850W	120	6	5.4	700	5000K	80	65	25,000	Yes	Damp	Frosted, White body
BR40	E26	12	93311897	26687216	LED12DBR40/927	120	6	6.4	1050	2700K	90	65	15,000	Yes	Damp	Frosted, White body, CEC Title 20
	E26	12	93311898	-	LED12DBR40/930	120	6	6.4	1050	3000K	90	65	15,000	Yes	Damp	Frosted, White body, CEC Title 20
	E26	12	93311899	-	LED12DBR40/950	120	6	6.4	1050	5000K	90	65	15,000	Yes	Damp	Frosted, White body, CEC Title 20

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - General Purpose



Catalog Logic:

Bulb Shape:

Bulb shape followed by its size (the maximum diameter of the bulb expressed in eighths of an inch).

Bulb Shape		Base Type	Watts	Order Code	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ³	Dimmable	Location Rating ³	Additional Information
A19		E26	10	93156450	LED10DA19/827/E-4PK	120	24	4.3	800	2700K	80	60	15,000	Yes	Damp, Enclosed	White, 4 pack

LED10DA19/827/E-4PK

Wattage

D = Dimmable

Bulb Shape

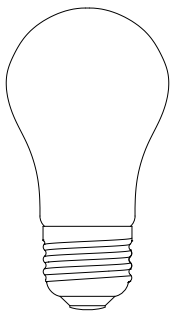
CRI (8 = 80)

CCT (27 = 2700K)

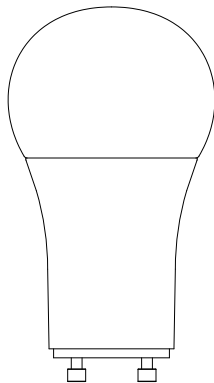
4PK = Inner pack of 4 lamps
(Smallest unit of sale downstream)

E = Enclosed rated

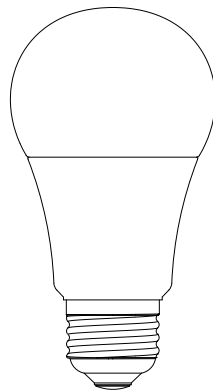
Lamp Drawings (not drawn to scale)



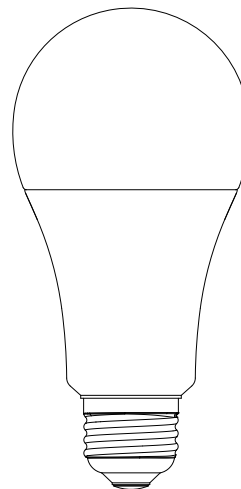
A15



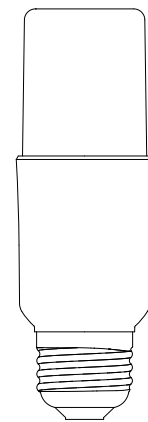
A19
GU24



A19



A21



Bright Stik™

LED Lamps – General Purpose



LED Lamps – SpectraChoice™ A-Line Lamps (Dimmable)

SpectraChoice™ A-line dimmable lamps feature built-in switches to select color temperature. These lamps are offered in 40, 60, 75 & 100W incandescent equivalent lumen levels. Four lamps can cover the vast majority of A-line applications, providing a great opportunity to reduce inventory and simplify BOMs.



SpectraChoice™



Selectable SpectraChoice™ A-Line Lamps (Dimmable)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial) ⁵	Selectable Color Temp. (Initial)*	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
A-Line SpectraChoice™ Selectable Color Temperature																
A19	E26	6	93313531	26696794	LED6DA19/9SC/E	120	24	4.3	480	2700K* 3000K 3500K 4000K 5000K	90	40	15,000	Yes	Damp, Enclosed	White, CEC Title 20
	E26	10	93313549	26696795	LED10DA19/9SC/E	120	24	4.3	800	2700K* 3000K 3500K 4000K 5000K	90	60	15,000	Yes	Damp, Enclosed	White, CEC Title 20
	E26	13	93313543	26696796	LED13DA19/9SC	120	24	4.7	1100	2700K* 3000K 3500K 4000K 5000K	90	75	15,000	Yes	Damp	White, CEC Title 20
	E26	15	93313537	26696797	LED15DA19/9SC	120	24	4.7	1600	2700K* 3000K 3500K 4000K 5000K	90	100	15,000	Yes	Damp	White, CEC Title 20

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

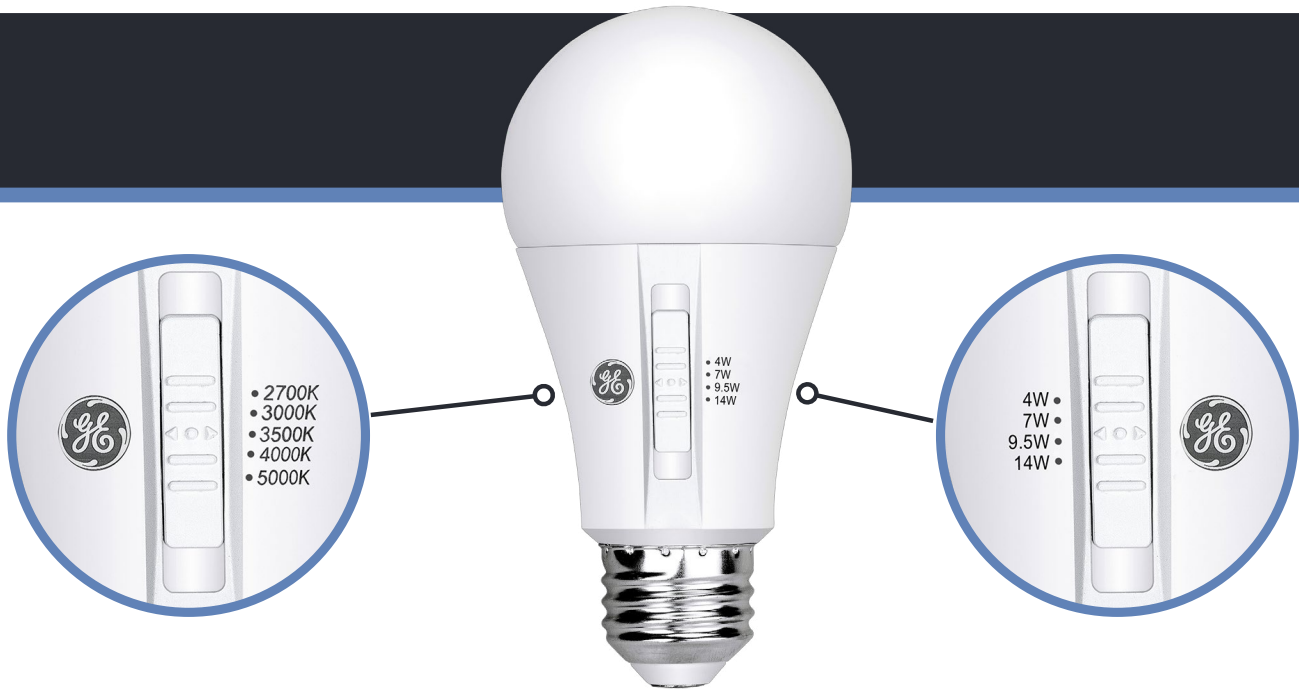
³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

* Default color temperature setting is 2700K

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - General Purpose



Selectable LumenChoice® + SpectraChoice™ A-Line Lamps (Dimmable)

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (In)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp. (Initial)*	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
A-Line Selectable LumenChoice® + SpectraChoice™																
A19	E26	93322361	-	LED/LC/DA19/9SC	120	12	4.7	4 7* 9.5 14	500 800* 1100 1600	2700K* 3000K 3500K 4000K 5000K	90	40 60 75 100	15,000	Yes	Damp	White, CEC Title 20

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

* Default wattage and color temperature settings noted by "*" in tables above

Please note Current lamps are not for sale for use in Yukon Territory in Canada



Warm Selectable LumenChoice® + SpectraChoice™ A-Line Lamps (Dimmable)

Bulb Shape	Base Type	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (In)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp. (Initial)*	Wattage Replacement	CRI	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
A-Line Warm Selectable LumenChoice® + SpectraChoice™																
A19	E26	93322367	-	LED/LC/DA19/9WSC	120	12	4.7	4	350	1800K	40W	90	15,000	Yes	Damp	White, CEC Title 20
									400	2200K	40W					
									450	2500K	40W					
									500	2700K	40W					
									500	3000K	40W					
								7*	600	1800K	60W					
									700*	2200K*	60W					
									750	2500K	60W					
									800	2700K	60W					
									800	3000K	60W					
								9.5	800	1800K	75W					
									900	2200K	75W					
									1000	2500K	75W					
									1100	2700K	75W					
									1100	3000K	75W					
								14	1100	1800K	100W					
									1300	2200K	100W					
									1500	2500K	100W					
									1600	2700K	100W					
									1600	3000K	100W					

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

* Default wattage and color temperature settings noted by "*" in tables above

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - General Purpose



A-Line Lamps (Dimmable)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
A19																
A19	E26	6	93156446	26635020	LED6DA19/827/E-4PK	120	24	4.3	480	2700K	80	40	15,000	Yes	Damp, Enclosed	White, 4 pack
	E26	6	93156447	26696793	LED6DA19/830/E-4PK	120	24	4.3	480	3000K	80	40	15,000	Yes	Damp, Enclosed	White, 4 pack
	E26	6	93156448	26656822	LED6DA19/840/E-4PK	120	24	4.3	480	4000K	80	40	15,000	Yes	Damp, Enclosed	White, 4 pack
	E26	6	93156449	26612338	LED6DA19/850/E-4PK	120	24	4.3	480	5000K	80	40	15,000	Yes	Damp, Enclosed	White, 4 pack
	E26	10	93156450	26608576	LED10DA19/827/E-4PK	120	24	4.3	800	2700K	80	60	15,000	Yes	Damp, Enclosed	White, 4 pack
	E26	10	93156531	26608575	LED10DA19/830/E-4PK	120	24	4.3	800	3000K	80	60	15,000	Yes	Damp, Enclosed	White, 4 pack
	E26	10	93156532	26608574	LED10DA19/840/E-4PK	120	24	4.3	800	4000K	80	60	15,000	Yes	Damp, Enclosed	White, 4 pack
	E26	10	93156533	26608573	LED10DA19/850/E-4PK	120	24	4.3	800	5000K	80	60	15,000	Yes	Damp, Enclosed	White, 4 pack
	E26	12	93156534	26622668	LED12DA19/827/E-4PK	120	24	4.7	1100	2700K	80	75	15,000	Yes	Damp, Enclosed	White, 4 pack
	E26	12	93156535	26622669	LED12DA19/830/E-4PK	120	24	4.7	1100	3000K	80	75	15,000	Yes	Damp, Enclosed	White, 4 pack
	E26	12	93156536	26622670	LED12DA19/840/E-4PK	120	24	4.7	1100	4000K	80	75	15,000	Yes	Damp, Enclosed	White, 4 pack
	E26	12	93156537	26601506	LED12DA19/850/E-4PK	120	24	4.7	1100	5000K	80	75	15,000	Yes	Damp, Enclosed	White, 4 pack
	E26	15	93156538	26615053	LED15DA19/827-4PK	120	24	4.7	1600	2700K	80	100	15,000	Yes	Damp	White, 4 pack
	E26	15	93156539	26615054	LED15DA19/830-4PK	120	24	4.7	1600	3000K	80	100	15,000	Yes	Damp	White, 4 pack
	E26	15	93156540	26613761	LED15DA19/840-4PK	120	24	4.7	1600	4000K	80	100	15,000	Yes	Damp	White, 4 pack
	E26	15	93156541	26601507	LED15DA19/850-4PK	120	24	4.7	1600	5000K	80	100	15,000	Yes	Damp	White, 4 pack

A-Line Lamps 90 CRI (Dimmable - Glass)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
A15																
A15	E26	3.5	93312022	-	LED4DFA15-W/927	120	12	3.5	300	2700K	90	40	15,000	Yes	Damp	White, CEC Title 20
	E26	3.5	93142809	26572221	LED4DFA15-C-2PK	120	12	3.5	300	2700K	80	40	15,000	Yes	Damp	Clear, 2 pack
	E26	3.5	93142810	26565394	LED4DFA15-W-2PK	120	12	3.5	300	2700K	80	40	15,000	Yes	Damp	White, 2 pack
A19																
A19	E26	4.5	93319141	-	LED5DFA19/927/E-W	120	24	4.4	450	2700K	90	40	15,000	Yes	Damp, Enclosed	White, CEC Title 20
	E26	4.5	93319147	-	LED5DFA19/927/E-C	120	24	4.4	450	2700K	90	40	15,000	Yes	Damp, Enclosed	Clear, CEC Title 20
	E26	7	93319153	-	LED7DFA19/927/E-W	120	24	4.4	800	2700K	90	60	15,000	Yes	Damp, Enclosed	White, CEC Title 20
	E26	7	93319159	-	LED7DFA19/927/E-C	120	24	4.4	800	2700K	90	60	15,000	Yes	Damp, Enclosed	Clear, CEC Title 20
	E26	8	93319165	-	LED8DFA19/927-W	120	24	4.4	1100	2700K	90	75	15,000	Yes	Damp	White, CEC Title 20
	E26	8	93319171	-	LED8DFA19/927-C	120	24	4.4	1100	2700K	90	75	15,000	Yes	Damp	Clear, CEC Title 20
	E26	12	93319177	-	LED12DFA19/927-W	120	24	4.4	1600	2700K	90	100	15,000	Yes	Damp	White, CEC Title 20
	E26	12	93319183	-	LED12DFA19/927-C	120	24	4.4	1600	2700K	90	100	15,000	Yes	Damp	Clear, CEC Title 20

Dim-to-Warm Filament A-Line Lamps

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Dim-to-Warm)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
A15																
A15	E26	4.5	93324912	-	LED4DFA15-C/930W	120	12	3.5	450	3000K (Dims to 2000K)	90	40	15,000	Yes	Damp	CEC Title 20, Clear, Dim-to-Warm
	E26	4.5	93324913	-	LED4DFA15-W/930W	120	12	3.5	450	3000K (Dims to 2000K)	90	40	15,000	Yes	Damp	CEC Title 20, White, Dim-to-Warm
A19																
A19	E26	8	93324919	-	LED8DFA19-C/930W	120	12	4.3	800	3000K (Dims to 2000K)	90	60	15,000	Yes	Damp	CEC Title 20, Clear, Dim-to-Warm
	E26	8	93324920	-	LED8DFA19-W/930W	120	12	4.3	800	3000K (Dims to 2000K)	90	60	15,000	Yes	Damp	CEC Title 20, White, Dim-to-Warm

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

Wet Location - Location in which water or other liquid can drip, splash, or flow on or against electrical equipment.

When installing outdoors, ensure the socket used is suitably Listed for use in Wet locations and socket gaskets provided by the manufacturer are correctly attached.

Please note Current lamps are not for sale for use in Yukon Territory in Canada



All Glass
A19 White



All Glass 40W
A19 Clear



All Glass 60W
A19 Clear



All Glass 75W
A19 Clear



All Glass 100W
A19 Clear

LED Lamps – General Purpose



A-Line Lamps (High Output)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dim- mable	Location Rating ³	Additional Information
A21																
A21	E26	22	93309224	-	LED22DA21/827	120	4	5.7	2610	2700K	80	150	15,000	Yes	Wet	White
	E26	22	93309225	26727352	LED22DA21/850	120	4	5.7	2610	5000K	80	150	15,000	Yes	Wet	White
	E26	23	93309226	26690820	LED23A21/827	120	4	5.7	3010	2700K	80	200	15,000	No	Wet	White
	E26	23	93309227	26727353	LED23A21/850	120	4	5.7	3010	5000K	80	200	15,000	No	Wet	White

A-Line Lamps (GU24)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dim- mable	Location Rating ³	Additional Information
GU24 Base General Purpose A-Line Lamps																
A19	GU24	10	93156542	26658553	LED10DA19/GU24/827/E-4PK	120	24	4.2	800	2700K	80	40	15,000	Yes	Damp, Enclosed	White, 4 pack
	GU24	15	93156543	26696822	LED15DA19/GU24/827-4PK	120	24	4.4	1600	2700K	80	100	15,000	Yes	Damp	White, 4 pack

A-Line Lamps (3-Way)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dim- mable	Location Rating ³	Additional Information
3-Way General Purpose A-Line Lamps																
A19	E26d	4/9/13	93156602	26615052	LED13A19/30/100/827-4PK	120	24	4.7	400/980/1400	2700K	80	30/70/100	15,000	-	Damp	White, 4 pack
A21	E26d	5/12/17	93156603	26615051	LED17A21/50/150/827-4PK	120	24	5.3	650/1500/2155	2700K	80	50/100/150	15,000	-	Damp	White, 4 pack

A-Line Lamps (Value)

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dim- mable	Location Rating ³	Additional Information
A19																
A19	E26	5	93142977	26578217	LED5A19/827-4PK	120	24	4.3	450	2700K	80	40	10,000	-	Damp	White, 4 pack
	E26	5	93142978	26578218	LED5A19/830-4PK	120	24	4.3	450	3000K	80	40	10,000	-	Damp	White, 4 pack
	E26	5	93142979	26578219	LED5A19/840-4PK	120	24	4.3	450	4000K	80	40	10,000	-	Damp	White, 4 pack
	E26	5	93142980	26578220	LED5A19/850-4PK	120	24	4.3	450	5000K	80	40	10,000	-	Damp	White, 4 pack
	E26	9	93142981	26578221	LED9A19/827-4PK	120	24	4.3	760	2700K	80	60	10,000	-	Damp	White, 4 pack
	E26	9	93142982	26578222	LED9A19/830-4PK	120	24	4.3	760	3000K	80	60	10,000	-	Damp	White, 4 pack
	E26	9	93142983	26578223	LED9A19/840-4PK	120	24	4.3	760	4000K	80	60	10,000	-	Damp	White, 4 pack
	E26	9	93142984	26578224	LED9A19/850-4PK	120	24	4.3	760	5000K	80	60	10,000	-	Damp	White, 4 pack
A21																
A21	E26	11	93142985	26578225	LED11A21/827-4PK	120	24	5.2	1050	2700K	80	75	10,000	-	Damp	White, 4 pack
	E26	11	93142986	26578226	LED11A21/830-4PK	120	24	5.2	1050	3000K	80	75	10,000	-	Damp	White, 4 pack
	E26	11	93142987	26578227	LED11A21/840-4PK	120	24	5.2	1050	4000K	80	75	10,000	-	Damp	White, 4 pack
	E26	11	93142988	26578228	LED11A21/850-4PK	120	24	5.2	1050	5000K	80	75	10,000	-	Damp	White, 4 pack
	E26	15	93142989	26578229	LED15A21/827-4PK	120	24	5.2	1520	2700K	80	100	10,000	-	Damp	White, 4 pack
	E26	15	93142990	26578230	LED15A21/830-4PK	120	24	5.2	1520	3000K	80	100	10,000	-	Damp	White, 4 pack
	E26	15	93142991	26578231	LED15A21/840-4PK	120	24	5.2	1520	4000K	80	100	10,000	-	Damp	White, 4 pack
	E26	15	93142992	26578232	LED15A21/850-4PK	120	24	5.2	1520	5000K	80	100	10,000	-	Damp	White, 4 pack

Bright Stik™

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dim- mable	Location Rating ³	Additional Information
Bright Stik™																
Bright Stik™	E26	5.5	66256	25855256	LED5.5LS3/827	120	48	4.45	450	2700K	80	40	15,000	-	Damp	3 pack
	E26	5.5	75177	25855762	LED5.5LS3/850	120	48	4.45	450	5000K	80	40	15,000	-	Damp	3 pack
	E26	9	75184	25855257	LED9LS3/827	120	48	4.45	800	2700K	80	60	15,000	-	Damp	3 pack
	E26	9	75588	25855763	LED9LS3/850	120	48	4.45	800	5000K	80	60	15,000	-	Damp	3 pack
	E26	12	75590	25881735	LED12LS2/827	120	32	5.24	1250	2700K	80	75	15,000	-	Damp	2 pack
	E26	12	75591	25887724	LED12LS2/850	120	32	5.24	1250	5000K	80	75	15,000	-	Damp	2 pack
	E26	15	75593	25889113	LED15LS2/827	120	32	5.24	1700	2700K	80	100	15,000	-	Damp	2 pack
	E26	15	75644	25889114	LED15LS2/850	120	32	5.24	1700	5000K	80	100	15,000	-	Damp	2 pack

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

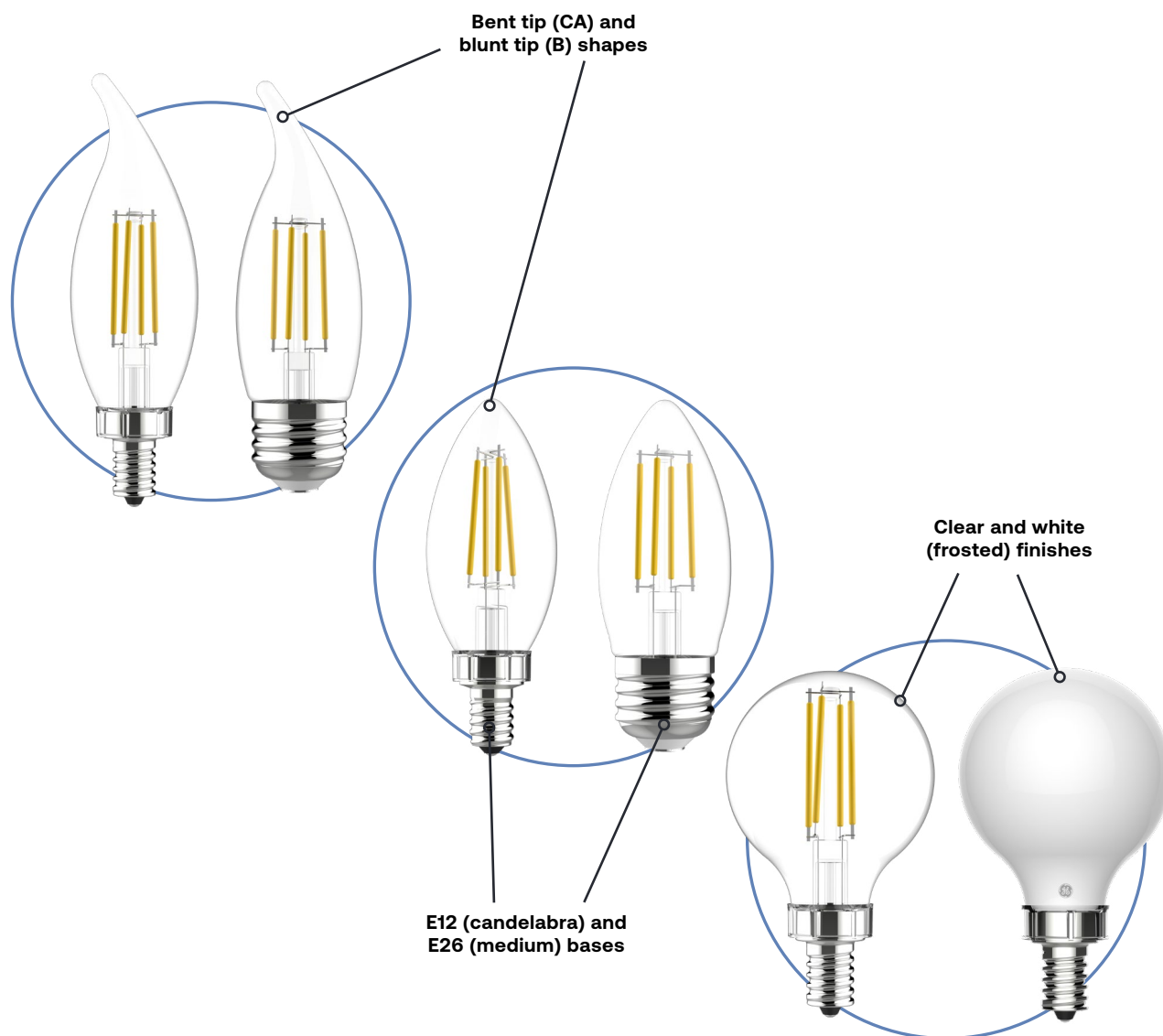
Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – General Purpose



LED Lamps – Decorative

Decorative LED lamps feature LED "filaments" in glass bulbs, mimicking a traditional decorative lamp look. Various shapes, bases and wattages are available in clear and white finishes.



LED Lamps - General Purpose



Catalog Logic:

Bulb Shape:

Bulb shape followed by its size (the maximum diameter of the bulb expressed in eighths of an inch).

Watts:

Energy Used (as defined by FTC Lamp Label Rules)

Description:

Lamp Model Description

Lumens:

Light output (as defined by FTC Lamp Label Rules)

MOL (in):

Maximum Overall Length in inches

Carton Quantity:

Number of lamps packed in a carton

Volts:

Lamp data is based on operation at rated voltage

Color Rendering Index (CRI or R):

An indication of the ability of the lamp to render object colors in a normal natural way. The higher the number (0-100), the better the color appearance.

Color Temperature (K):

A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value, the whiter or "cooler" the light appears.

Rated Life L70:

Hours of operation the lamp will provide before reaching 70% of its original lumen output

Dimmable:

Indicates whether a lamp is dimmable or not

Location Rating:

Location Rating as defined for LED Lamps by UL 1993

Additional Information:

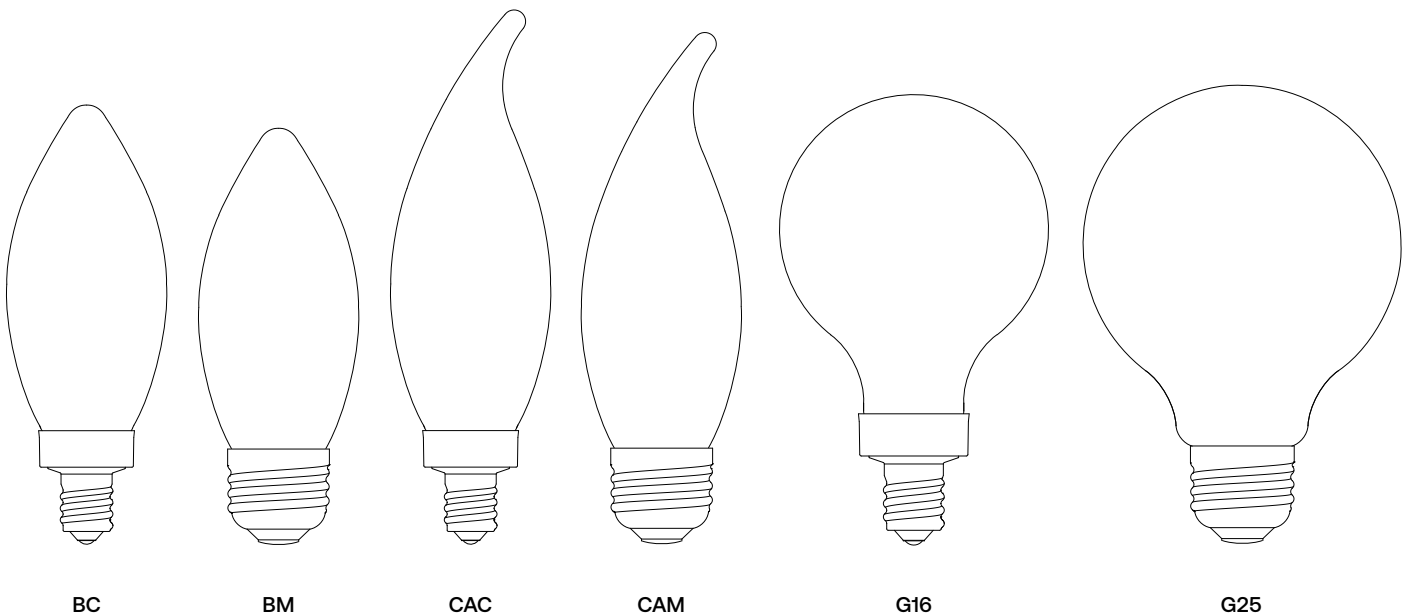
Typical application and/or other important information

Bulb Shape	Base Type	Watts	Order Code	Description	Volts	Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
Candles															
CA	E12	3.5	93142795	LED4DFCAC-C-2PK	120	12	4.6	300	2700K	80	40	15,000	Yes	Damp	All Glass, Clear, Bent Tip, 2 pack

LED4DFCAC-C-2PK

Wattage
D = Dimmable
F = Filament
Shape (CA = bent tip Candle, B = Blunt tip, G = Globe)
Base (C = Candelabra [E12], M = Medium [E26])
Finish (C = Clear, W = White)
2PK = Inner pack of 2 lamps (Smallest unit of sale downstream)

Lamp Drawings (not drawn to scale)



LED Lamps – General Purpose



LED Lamps – Selectable Filament Decorative

SpectraChoice™ filament decorative dimmable lamps feature built-in switches to select color temperature, reducing inventory and ensuring you always have the correct lamp on hand for your application.

Selectable SpectraChoice™ Filament Decorative Lamps

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Selectable Color Temp. (Initial)*	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
Candelas - CA																
	E26	3.5	93325817	-	LED4DFCAM-C/9SC	120	12	4.4	300	2700K* 3000K 3500K 4000K 5000K	90	40	15,000	Yes	Damp	CEC Title 20, Clear
	E12	3.5	93325663	-	LED4DFCAC-C/9SC	120	12	4.7	300	2700K* 3000K 3500K 4000K 5000K	90	40	15,000	Yes	Damp	CEC Title 20, Clear
	E12	3.5	93325791	-	LED4DFCAC-W/9SC	120	12	4.7	300	2700K* 3000K 3500K 4000K 5000K	90	40	15,000	Yes	Damp	CEC Title 20, White
	E12	5	93325792	-	LED5DFCAC-C/9SC	120	12	4.7	500	2700K* 3000K 3500K 4000K 5000K	90	60	15,000	Yes	Damp	CEC Title 20, Clear
	E12	5	93325816	-	LED5DFCAC-W/9SC	120	12	4.7	500	2700K* 3000K 3500K 4000K 5000K	90	60	15,000	Yes	Damp	CEC Title 20, White
Globes - G25																
	E26	5	93325818	-	LED5DFG25-C/9SC	120	12	4.7	500	2700K* 3000K 3500K 4000K 5000K	90	60	15,000	Yes	Damp	CEC Title 20, Clear
	E26	5	93325819	-	LED5DFG25-W/9SC	120	12	4.7	500	2700K* 3000K 3500K 4000K 5000K	90	60	15,000	Yes	Damp	CEC Title 20, White



SpectraChoice™



Select color temperature using built-in switch on candelabra (E12) base



Select color temperature using built-in switch on medium (E26) base

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

* Default color temperature settings noted by “*” in tables above.

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – General Purpose



LED Lamps – Decorative Dim-to-Warm

Create the perfect ambiance with Current's dim-to-warm decorative lamps. As you dim the lamps, the 3000K initial color temperature gradually warms to 2000K.

Dim-to-Warm Filament Decorative Lamps

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Dim-to-Warm)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
A15																
A15	E26	4.5	93324912	-	LED4DFA15-C/930W	120	12	3.5	450	3000K (Dims to 2000K)	90	40	15,000	Yes	Damp	CEC Title 20, Clear, Dim-to-Warm
	E26	4.5	93324913	-	LED4DFA15-W/930W	120	12	3.5	450	3000K (Dims to 2000K)	90	40	15,000	Yes	Damp	CEC Title 20, White, Dim-to-Warm
A19																
A19	E26	8	93324919	-	LED8DFA19-C/930W	120	12	4.3	800	3000K (Dims to 2000K)	90	60	15,000	Yes	Damp	CEC Title 20, Clear, Dim-to-Warm
	E26	8	93324920	-	LED8DFA19-W/930W	120	12	4.3	800	3000K (Dims to 2000K)	90	60	15,000	Yes	Damp	CEC Title 20, White, Dim-to-Warm
ST19																
ST19	E26	8	93324923	-	LED8DFST19-C/930W	120	12	5	800	3000K (Dims to 2000K)	90	60	15,000	Yes	Damp	CEC Title 20, Clear, Dim-to-Warm
Candles																
B11	E26	4.5	93324914	-	LED4DFBM-C/930W	120	12	3.5	450	3000K (Dims to 2000K)	90	40	15,000	Yes	Damp	CEC Title 20, Clear, Dim-to-Warm
	E12	4.5	93324915	-	LED4DFBC-C/930W	120	12	3.9	450	3000K (Dims to 2000K)	90	40	15,000	Yes	Damp	CEC Title 20, Clear, Dim-to-Warm
Globes - G16.5																
G16.5	E12	4.5	93324918	-	LED4DFG16C-C/930W	120	12	3.4	450	3000K (Dims to 2000K)	90	40	15,000	Yes	Damp	CEC Title 20, Clear, Dim-to-Warm
Globes - G25																
G25	E26	8	93324921	-	LED8DFG25-C/930W	120	12	4.6	800	3000K (Dims to 2000K)	90	60	15,000	Yes	Damp	CEC Title 20, Clear, Dim-to-Warm
	E26	8	93324922	-	LED8DFG25-W/930W	120	12	4.6	800	3000K (Dims to 2000K)	90	60	15,000	Yes	Damp	CEC Title 20, White, Dim-to-Warm
Globes - G40																
G40	E26	8	93324916	-	LED8DFG40-C/930W	120	12	7	800	3000K (Dims to 2000K)	90	60	15,000	Yes	Damp	CEC Title 20, Clear, Dim-to-Warm
	E26	8	93324917	-	LED8DFG40-W/930W	120	12	7	800	3000K (Dims to 2000K)	90	60	15,000	Yes	Damp	CEC Title 20, White, Dim-to-Warm



¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

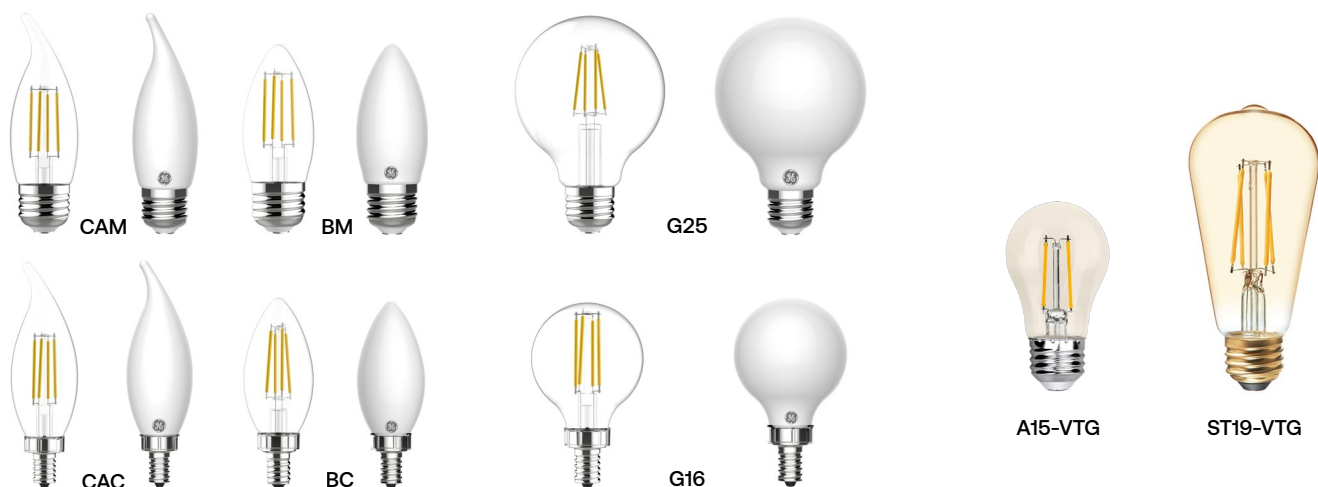
² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps - General Purpose



Decorative Lamps

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
Candles																
CA/B	E26	2.5	93142804	-	LED3DFCAM-C-2PK	120	12	4.4	200	2700K	80	25	15,000	Yes	Damp	All Glass, Clear, Bent Tip, 2 pack
	E26	2.5	93142808	-	LED3DFCAM-W-2PK	120	12	4.4	200	2700K	80	25	15,000	Yes	Damp	All Glass, White, Bent Tip, 2 pack
	E26	3.5	93142811	-	LED4DFBM-C-2PK	120	12	3.8	300	2700K	80	40	15,000	Yes	Damp	All Glass, Clear, 2 pack
	E26	3.5	93142814	-	LED4DFBM-W-2PK	120	12	3.8	300	2700K	80	40	15,000	Yes	Damp	All Glass, White, 2 pack
	E26	3.5	93311960	-	LED4DFCAM-C/927	120	12	4.4	300	2700K	90	40	15,000	Yes	Damp	All Glass, Clear, Bent Tip, CEC Title 20
	E26	3.5	93142812	26581215	LED4DFCAM-C-2PK	120	12	4.4	300	2700K	80	40	15,000	Yes	Damp	All Glass, Clear, Bent Tip, 2 pack
	E26	3.5	93142815	-	LED4DFCAM-W-2PK	120	12	4.4	300	2700K	80	40	15,000	Yes	Damp	All Glass, White, Bent Tip, 2 pack
	E26	5	93142855	-	LED5DFBM-C-2PK	120	12	3.8	500	2700K	80	60	15,000	Yes	Damp	All Glass, Clear, 2 pack
	E26	5	93142856	-	LED5DFBM-W-2PK	120	12	3.8	500	2700K	80	60	15,000	Yes	Damp	All Glass, White, 2 pack
	E26	5	93142851	26622671	LED5DFCAM-C-2PK	120	12	4.4	500	2700K	80	60	15,000	Yes	Damp	All Glass, Clear, Bent Tip, 2 pack
	E26	5	93142852	-	LED5DFCAM-W-2PK	120	12	4.4	500	2700K	80	60	15,000	Yes	Damp	All Glass, White, Bent Tip, 2 pack
	E12	2.5	93142792	26584002	LED3DFCAC-C-2PK	120	12	4.6	200	2700K	80	25	15,000	Yes	Damp	All Glass, Clear, Bent Tip, 2 pack
	E12	2.5	93142793	-	LED3DFCAC-W-2PK	120	12	4.6	200	2700K	80	25	15,000	Yes	Damp	All Glass, White, Bent Tip, 2 pack
	E12	3.5	93142794	-	LED4DFBC-C-2PK	120	12	3.9	300	2700K	80	40	15,000	Yes	Damp	All Glass, Clear, 2 pack
	E12	3.5	93142796	-	LED4DFBC-W-2PK	120	12	3.9	300	2700K	80	40	15,000	Yes	Damp	All Glass, White, 2 pack
	E12	3.5	93312028	-	LED4DFCAC-C/927	120	12	4.6	300	2700K	90	40	15,000	Yes	Damp	All Glass, Clear, Bent Tip, CEC Title 20
	E12	3.5	93142795	26580802	LED4DFCAC-C-2PK	120	12	4.6	300	2700K	80	40	15,000	Yes	Damp	All Glass, Clear, Bent Tip, 2 pack
	E12	3.5	93142797	-	LED4DFCAC-W-2PK	120	12	4.6	300	2700K	80	40	15,000	Yes	Damp	All Glass, White, Bent Tip, 2 pack
	E12	5	93142803	26599345	LED5DFBC-W-2PK	120	12	3.9	500	2700K	80	60	15,000	Yes	Damp	All Glass, White, 2 pack
	E12	5	93142800	-	LED5DFCAC-C-2PK	120	12	4.6	500	2700K	80	60	15,000	Yes	Damp	All Glass, Clear, Bent Tip, 2 pack
	E12	5	93142801	26599375	LED5DFCAC-W-2PK	120	12	4.6	500	2700K	80	60	15,000	Yes	Damp	All Glass, White, Bent Tip, 2 pack
Globes																
G25	E26	2.8	93142805	-	LED3DFG25-C-2PK	120	12	4.7	250	2700K	80	25	15,000	Yes	Damp	All Glass, Clear, 2 pack
	E26	2.8	93142807	-	LED3DFG25-W-2PK	120	12	4.7	250	2700K	80	25	15,000	Yes	Damp	All Glass, White, 2 pack
	E26	4	93311963	-	LED4DFG25-C/927	120	12	4.7	350	2700K	90	40	15,000	Yes	Damp	All Glass, Clear, CEC Title 20
	E26	4	93311966	-	LED4DFG25-W/927	120	12	4.7	350	2700K	90	40	15,000	Yes	Damp	All Glass, White, CEC Title 20
	E26	4	93142847	-	LED4DFG25-C-2PK	120	12	4.7	350	2700K	80	40	15,000	Yes	Damp	All Glass, Clear, 2 pack
	E26	4	93142846	26650002	LED4DFG25-W-2PK	120	12	4.7	350	2700K	80	40	15,000	Yes	Damp	All Glass, White, 2 pack
	E26	5	93142850	-	LED5DFG25-C-2PK	120	12	4.7	500	2700K	80	60	15,000	Yes	Damp	All Glass, Clear, 2 pack
	E26	5	93142849	26575687	LED5DFG25-W-2PK	120	12	4.7	500	2700K	80	60	15,000	Yes	Damp	All Glass, White, 2 pack
G16.5	E12	4	93142798	-	LED4DFG16C-C-2PK	120	12	3.4	350	2700K	80	40	15,000	Yes	Damp	All Glass, Clear, 2 pack

Vintage Style Decorative Lamps

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	Dimmable	Location Rating ³	Additional Information
Vintage																
A15	E26	3	93311928	-	LED3DFA15-C-VTG	120	12	3.5	150	2150K	90	25	15,000	Yes	Damp	All Glass, Clear Amber, CEC Title 20 Exempt
ST19	E26	5.5	93311890	-	LED5DFST19-C-VTG	120	12	5.3	400	2150K	90	40	15,000	Yes	Damp	All Glass, Clear Amber, CEC Title 20 Exempt

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

Please note Current lamps are not for sale for use in Yukon Territory in Canada

LED Lamps – Packaging Notes



LED Lamps – Inner Pack Lamp Quantity

Packaging configurations vary across the wide range of LED Lamps offered by Current. LED Tubes are packaged in bulk, with no inner pack inside the outer carton. Many lamps, such LED HID, are packaged in individual packs inside the outer carton. The table below details the materials that are packaged into saleable units of **more than one lamp**. These inner pack sizes are noted throughout the catalog in the "Additional Information" column, but the table below is provided as another reference.

Lamp Category	Order Code	Description	Inner Pack Lamp Qty	Outer Carton Lamp Qty
Plug-in	93300091	LED11G24d-V/8SC-4PK	4	24
Plug-in	93300090	LED11G24d-H/8SC-4PK	4	24
Plug-in	93300089	LED9G24q-V/8SC-4PK	4	24
Plug-in	93300088	LED11BG24-V/8SC/120-347-4PK	4	24
Plug-in	93300087	LED11BG24-H/8SC/120-347-4PK	4	24
Plug-in	93300068	LED8BG24-O/827-4PK	4	24
Plug-in	93300069	LED8BG24-Q/830-4PK	4	24
Plug-in	93300080	LED8BG24-O/835-4PK	4	24
Plug-in	93300081	LED8BG24-Q/840-4PK	4	24
Plug-in	93300082	LED10BG24-O/827-4PK	4	24
Plug-in	93300083	LED10BG24-Q/830-4PK	4	24
Plug-in	93300084	LED10BG24-O/835-4PK	4	24
Plug-in	93300086	LED10BG24-Q/840-4PK	4	24
PAR	93305603	LED6DP16W830/35-6PK	6	24
PAR	93153892	LED12DP30VOW830/25-4PK	4	16
PAR	93153891	LED12DP30LWOW830/25-4PK	4	16
PAR	93153880	LED15DP38VOW830/35-4PK	4	16
MR16	93305604	LED4D/GU10W830/35-6PK	6	24
MR16	93305605	LED5D/GU10W830/35-6PK	6	24
RS Can	93162554	LED8DRS4/9SC-4PK	4	16
RS Can	93162555	LED8DRS6/9SC-4PK	4	16
RS Can	93162556	LED12DRS6/9SC-4PK	4	16
Reflector	93305498	LED8DBR30/927-6PK	6	24
Reflector	93305499	LED8DBR30/930-6PK	6	24
Reflector	93305510	LED8DBR30/940-6PK	6	24
Reflector	93305512	LED8DBR30/950-6PK	6	24
A-line	93142809	LED4DFA15-C-2PK	2	12
A-line	93142810	LED4DFA15-W-2PK	2	12
A-line	93156446	LED6DA19/827/E-4PK	4	24
A-line	93156447	LED6DA19/830/E-4PK	4	24
A-line	93156448	LED6DA19/840/E-4PK	4	24
A-line	93156449	LED6DA19/850/E-4PK	4	24
A-line	93156450	LED10DA19/827/E-4PK	4	24
A-line	93156531	LED10DA19/830/E-4PK	4	24
A-line	93156532	LED10DA19/840/E-4PK	4	24
A-line	93156533	LED10DA19/850/E-4PK	4	24
A-line	93156534	LED12DA19/827/E-4PK	4	24
A-line	93156535	LED12DA19/830/E-4PK	4	24
A-line	93156536	LED12DA19/840/E-4PK	4	24
A-line	93156537	LED12DA19/850/E-4PK	4	24
A-line	93156538	LED15DA19/827-4PK	4	24
A-line	93156539	LED15DA19/830-4PK	4	24
A-line	93156540	LED15DA19/840-4PK	4	24
A-line	93156541	LED15DA19/850-4PK	4	24
A-line	93156542	LED10DA19/GU24/827/E-4PK	4	24
A-line	93156543	LED15DA19/GU24/827-4PK	4	24
A-line	93156602	LED13A19/30/100/827-4PK	4	24
A-line	93156603	LED17A21/50/150/827-4PK	4	24
A-line	93142977	LED5A19/827-4PK	4	24
A-line	93142978	LED5A19/830-4PK	4	24
A-line	93142979	LED5A19/840-4PK	4	24
A-line	93142980	LED5A19/850-4PK	4	24
A-line	93142981	LED9A19/827-4PK	4	24
A-line	93142982	LED9A19/830-4PK	4	24
A-line	93142983	LED9A19/840-4PK	4	24
A-line	93142984	LED9A19/850-4PK	4	24

Lamp Category	Order Code	Description	Inner Pack Lamp Qty	Outer Carton Lamp Qty
A-line	93142985	LED11A21/827-4PK	4	24
A-line	93142986	LED11A21/830-4PK	4	24
A-line	93142987	LED11A21/840-4PK	4	24
A-line	93142988	LED11A21/850-4PK	4	24
A-line	93142989	LED15A21/827-4PK	4	24
A-line	93142990	LED15A21/830-4PK	4	24
A-line	93142991	LED15A21/840-4PK	4	24
A-line	93142992	LED15A21/850-4PK	4	24
Bright Stik™	66256	LED5.5LS3/827	3	48
Bright Stik™	75177	LED5.5LS3/850	3	48
Bright Stik™	75184	LED9LS3/827	3	48
Bright Stik™	75588	LED9LS3/850	3	48
Bright Stik™	75590	LED12LS2/827	2	32
Bright Stik™	75591	LED12LS2/850	2	32
Bright Stik™	75593	LED15LS2/827	2	32
Bright Stik™	75644	LED15LS2/850	2	32
Decorative	93142804	LED3DFCAM-C-2PK	2	12
Decorative	93142808	LED3DFCAM-W-2PK	2	12
Decorative	93142811	LED4DFBM-C-2PK	2	12
Decorative	93142814	LED4DFBM-W-2PK	2	12
Decorative	93142812	LED4DFCAM-C-2PK	2	12
Decorative	93142815	LED4DFCAM-W-2PK	2	12
Decorative	93142855	LED5DFBM-C-2PK	2	12
Decorative	93142856	LED5DFBM-W-2PK	2	12
Decorative	93142851	LED5DFCAM-C-2PK	2	12
Decorative	93142852	LED5DFCAM-W-2PK	2	12
Decorative	93142792	LED3DFCAC-C-2PK	2	12
Decorative	93142793	LED3DFCAC-W-2PK	2	12
Decorative	93142794	LED4DFBC-C-2PK	2	12
Decorative	93142796	LED4DFBC-W-2PK	2	12
Decorative	93142795	LED4DFCAC-C-2PK	2	12
Decorative	93142797	LED4DFCAC-W-2PK	2	12
Decorative	93142803	LED5DFBC-W-2PK	2	12
Decorative	93142800	LED5DFCAC-C-2PK	2	12
Decorative	93142801	LED5DFCAC-W-2PK	2	12
Decorative	93142805	LED3DFG25-C-2PK	2	12
Decorative	93142807	LED3DFG25-W-2PK	2	12
Decorative	93142847	LED4DFG25-C-2PK	2	12
Decorative	93142846	LED4DFG25-W-2PK	2	12
Decorative	93142850	LED5DFG25-C-2PK	2	12
Decorative	93142849	LED5DFG25-W-2PK	2	12
Decorative	93142798	LED4DFG16C-C-2PK	2	12



TRADITIONAL LAMPS & BALLASTS

Current carries a full family of Traditional lamps that feature plug-and-play simplicity. Our engineering leadership over the years in Traditional lighting has resulted in products that provide the exceptional light quality that you know and love.



Traditional Lamps

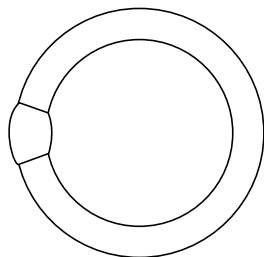


Linear Fluorescent Lamps

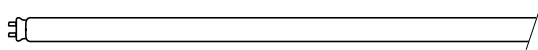


Linear Fluorescent lighting, first introduced by GE in 1939, continues to offer low operating costs and long life.

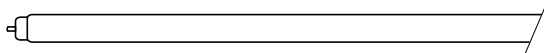
Lamp Drawings (not drawn to scale)



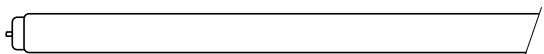
T9 Circline (1-1/8" diameter) 4-Pin Base (G10q)



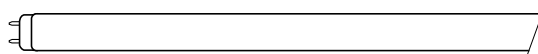
T5 (5/8" diameter) Miniature Bi-Pin Base (G5)



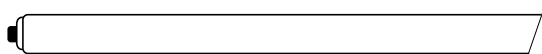
T6 (3/4" diameter) Single Pin Base (Fa8)



T8 (1" diameter) Single Pin Base (Fa8)



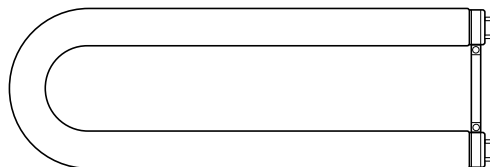
T8 (1" diameter) Medium Bi-Base (G13)



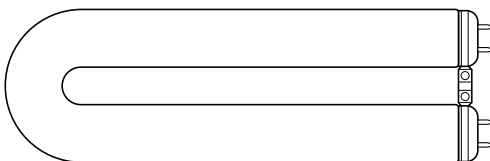
T8 (1" diameter) Recessed Double Contact Base (R17d)



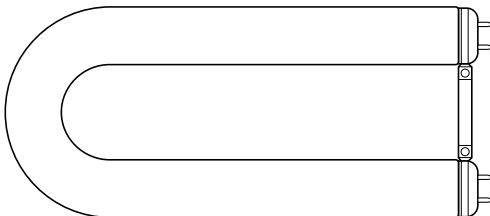
T10 (11/4" diameter) Recessed Double Contact Base (R17d)



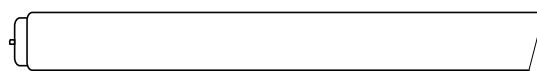
Mod-U-Line® T8/U6 (1" diameter) Medium Bi-Pin Base (G13)



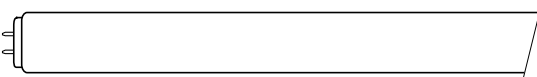
Mod-U-Line® T12/U3 (1 1/2" diameter) Medium Bi-Pin Base (G13)



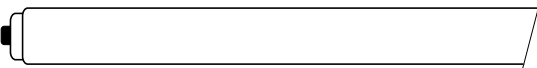
Mod-U-Line® T12/U6 (1-1/2" diameter) Medium Bi-Pin Base (G13)



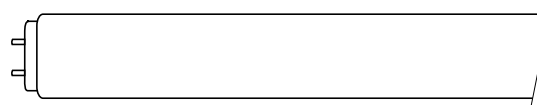
T12 (1-1/2" Diameter) Single Pin Base (Fa8)



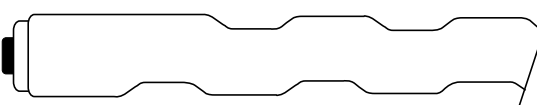
T12 (1-1/2" Diameter) Medium Bi-Pin Base (G13)



T12 (1-1/2" Diameter) Recessed Double Contact Base (R17d)



T17 (2-1/8" diameter) Mogul Bi-Pin (G20)

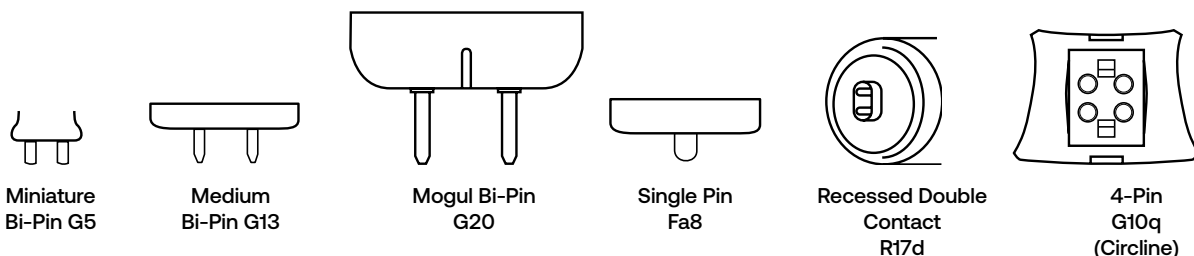


Power Groove® (2-1/8" diameter)
Recessed Double Contact Base (R17d)

Linear Fluorescent Lamps



Base Identification (not drawn to scale)



Catalog Logic:

The following terms and descriptions can help you when checking fluorescent lamp specifications and when ordering products. Within each product line, lamps are divided into families and listed by bulb, base and then wattage.

Bulb Shape: followed by its size (the maximum diameter of the bulb expressed in eighths of an inch).												Order Code: Use the order code when ordering to ensure that you receive the exact product you require.		Color Rendering Index (CRI or R): An indication of the ability of the lamp to render object colors in a normal natural way. The higher the number (0-100), the better the color appearance							
Watts: Energy used (as defined by FTC Lamp Label Rules). To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000.		Nominal Length (in): Lamp length including base and/or pins.		Carton Quantity: Number of lamps packed in a carton		Color Temperature – Kelvins (K): A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value, the whiter or "cooler" the light appears.		Means Lumens: Lamp light output at 40% of rated lamp life or 8K hours for lamps exceeding 20K hours life.		Initial Lumens: Lamp light output after the initial 100 hours of operation.		Rated Life (hours): Life (as defined by FTC Lamp Label Rules) is rated life in hours.		Description: Lamp Model Description		LED Replacement: Current offers a wide range of LED replacement lamps. The LED lamp models are provided as general guidance. Often, there will be more than one LED Lamp that may be used to replace a Traditional lamp. For Traditional lamps that operated off a ballast, the ballast bypass (UL Type B) LED option is given unless otherwise noted. The application should be considered when selecting an LED replacement lamp. Sometimes, Traditional lamps do not have a suitable LED replacement due to special application considerations, such as very high heat. Contact Current for additional guidance if the appropriate LED solution is unclear.					

F14W/T5/830/ECO

Identifies as Fluorescent lamp

Identifies either the lamp's wattage or its length in inches

Identifies the lamp shape and the bulb diameter in eighths of an inch

Identifies the lamp finish or color

Identifies TCLP compliance



Lamp Contains Mercury.
Manage in Accord with Disposal Laws.
See www.lamprecycle.org or 1-800-327-0097

Linear Fluorescent Lamps



****Fluorescent Phase-Out Regulations**:** Several US states have enacted legislation that prohibit/will prohibit the sale of Linear and Compact Fluorescent Lamps within their state. For more information including effective dates, please visit www.LED.com/lamplaw

T5 Starcoat Ecolux® Lamps

Bulb Shape	Base Type	Watts	Nominal Length (in.)	Order Code	GBID	Description	Carton Qty ¹	Rated Life (3hr/Start)	Rated Life (12hr/Start)	Initial Lumens	Mean Lumens	Color Temp.	CRI	Notes	Order Code	GBID	Description
T5 High Efficiency																	
T5	G5	14	21.6	31590	25010721F14W/T5/830/ECO		40	30,000	36,000	1,350	1,240	3000K	85		93319133	27015823	LEDLCBDT5/G2/8SC/120-347
	G5	14	21.6	46671	25011842F14W/T5/835/ECO		40	30,000	36,000	1,350	1,240	3500K	85		93319133	27015823	LEDLCBDT5/G2/8SC/120-347
	G5	14	21.6	46673	25011848F14W/T5/841/ECO		40	30,000	36,000	1,350	1,240	4100K	85		93319133	27015823	LEDLCBDT5/G2/8SC/120-347
	G5	21	33.4	46677	25010722F21W/T5/830/ECO		40	30,000	36,000	2,100	1,930	3000K	85		93319131	-	LEDLCBDT5/G3/8SC/120-347
	G5	21	33.4	46684	25011858F21W/T5/835/ECO		40	30,000	36,000	2,100	1,930	3500K	85		93319131	-	LEDLCBDT5/G3/8SC/120-347
	G5	21	33.4	46687	25011860F21W/T5/841/ECO		40	30,000	36,000	2,100	1,930	4100K	85		93319131	-	LEDLCBDT5/G3/8SC/120-347
	G5	28	45.2	46704	25010724F28W/T5/830/ECO		40	30,000	36,000	2,900	2,660	3000K	85		93319129	27010161	LEDLCBDT5/G4/8SC/120-347
	G5	28	45.2	46705	25011863F28W/T5/835/ECO		40	30,000	36,000	2,900	2,660	3500K	85		93319129	27010161	LEDLCBDT5/G4/8SC/120-347
	G5	28	45.2	46706	25011864F28W/T5/841/ECO		40	30,000	36,000	2,900	2,660	4100K	85		93128486	26437543	LED14BDT5G4840HE
T5 High Output																	
T5	G5	24	21.6	46699	25012019F24W/T5/830/ECO		40	30,000	36,000	2,000	1,840	3000K	85		93319133	27015823	LEDLCBDT5/G2/8SC/120-347
	G5	24	21.6	46700	25012301F24W/T5/835/ECO		40	30,000	36,000	2,000	1,840	3500K	85		93319133	27015823	LEDLCBDT5/G2/8SC/120-347
	G5	24	21.6	46701	25012021F24W/T5/841/ECO		40	30,000	36,000	2,000	1,840	4100K	85		93319133	27015823	LEDLCBDT5/G2/8SC/120-347
	G5	39	33.4	46744	25012025F39W/T5/830/ECO		40	30,000	36,000	3,500	3,220	3000K	85		93319131	-	LEDLCBDT5/G3/8SC/120-347
	G5	39	33.4	46745	25012026F39W/T5/835/ECO		40	30,000	36,000	3,500	3,220	3500K	85		93319131	-	LEDLCBDT5/G3/8SC/120-347
	G5	54	45.2	46759	25012079F54W/T5/830/ECO		40	30,000	36,000	5,000	4,600	3000K	85		93319129	27010161	LEDLCBDT5/G4/8SC/120-347
	G5	54	45.2	46760	25012085F54W/T5/835/ECO		40	30,000	36,000	5,000	4,600	3500K	85		93100293	26397264	LED25BDT5/G4/835
	G5	54	45.2	46761	25012089F54W/T5/841/ECO		40	30,000	36,000	5,000	4,600	4100K	85		93100294	26397262	LED25BDT5/G4/840
	G5	54	45.2	46762	25012094F54W/T5/850/ECO		40	30,000	36,000	4,800	4,410	5000K	85		93100295	26397263	LED25BDT5/G4/850
G5	54	45.2	46763	25002238F54W/T5/865/ECO		40	30,000	36,000	4,750	4,370	6500K	85		93100295	26397263	LED25BDT5/G4/850	

T5 Preheat Lamps

			Nominal				Car-								Order	GBID	Description
Bulb	Base		Length	Order			ton	Rated Life			Color			Code			
Shape	Type	Watts	(in.)	Code	GBID	Description	Qty	(3hr/Start)	Initial Lumens	Mean Lumens	Temp.	CRI	Notes				
12" and 21" Short T5																	
T5	G5	8	12.0	10059	88112003	F8T5/CW	24	5,000	400	320	4100K	60					
	G5	13	21.0	10086	88111640	F13T5/CW	24	5,000	850	705	4100K	60					

T8 Starcoat® Lamps

														Type B LED Replacement			
Bulb Shape	Base Type	Watts	Nominal Length (in.)	Order Code	GBID	Description	Carton Qty ¹	Rated Life (3hr/Start)	Rated Life (12hr/Start)	Initial Lumens	Mean Lumens	Color Temp.	CRI	Notes	Order Code	GBID	Description
2' T8 Ecolux [®]																	
T8	G13	17	24.0	45741	99574185	F17T8/SP30/ECO	24	30,000	36,000	1,325	1,260	3000K	78		93313567	26702339	LEDLCBDT8/G2/8SC/120-347
	G13	17	24.0	45743	99564428	F17T8/SP35/ECO	24	30,000	36,000	1,325	1,260	3500K	78		39560	26327570	LED9BDT8/G2/835
	G13	17	24.0	45748	99564429	F17T8/SP41/ECO	24	30,000	36,000	1,325	1,260	4100K	78		39561	26327571	LED9BDT8/G2/840
3' T8 Ecolux [®]																	
T8	G13	25	36.0	45754	99564432	F25T8/SP35/ECO	24	30,000	36,000	2,080	1,970	3500K	78		39547	26327566	LED12BDT8/G3/835
	G13	25	36.0	45756	99564433	F25T8/SP41/ECO	24	30,000	36,000	2,080	1,970	4100K	78		39554	26327567	LED12BDT8/G3/840
4' T8 Ecolux [®]																	
T8	G13	32	48.0	68850	25448603	F32T8/SPX30/ECO2	36	30,000	36,000	2,925	2,770	3000K	85	Δ	39493	26189125	LED14BDT8/G4/830
	G13	32	48.0	68851	25448604	F32T8/SPX35/ECO2	36	30,000	36,000	2,925	2,770	3500K	85	Δ	39494	26189126	LED14BDT8/G4/835
	G13	32	48.0	68852	25448605	F32T8/SPX41/ECO2	36	30,000	36,000	2,925	2,770	4100K	85	Δ	39498	26189127	LED14BDT8/G4/840
	G13	32	48.0	68853	25448606	F32T8/SPX50/ECO2	36	30,000	36,000	2,900	2,755	5000K	82	Δ	39519	26189128	LED14BDT8/G4/850
	G13	32	48.0	66342	25644524	F32T8/SPX65/ECO2	36	30,000	36,000	2,900	2,755	6500K	78	Δ	39519	26189128	LED14BDT8/G4/850

¹ Minimum order quantity = Carton Qty

Δ Impacted by 4' fluorescent state legislation, SKU not for sale in Vermont after 1/1/2024 due to state legislation; for more information please visit www.LED.com/lamplaw

Linear Fluorescent Lamps



****Fluorescent Phase-Out Regulations**:** Several US states have enacted legislation that prohibit/will prohibit the sale of Linear and Compact Fluorescent Lamps within their state. For more information including effective dates, please visit www.LED.com/lamplaw

Ultra Energy Saving T8 Lamps

Bulb Shape	Base Type	Watts	Nominal Length (in.)	Order Code	GBID	Description	Carton Qty ¹	Rated Life (3hr/ Start)	Rated Life (12hr/ Start)	Initial Lumens	Mean Lumens	Color Temp.	CRI	Notes	Order Code	GBID	Description
4' T8 Ecolux [®] 25 Watt Lamp																	
T8	G13	25	48.0	72129	25137936	F32T8/25W/SPX35/ECO	36	50,000	55,000	2,500	2,350	3500K	85	Δ	93117213	26391306	LED11BDT8/G4/835
	G13	25	48.0	72130	25137939	F32T8/25W/SPX41/ECO	36	50,000	55,000	2,500	2,350	4100K	85	Δ	93117214	26391305	LED11BDT8/G4/840
	G13	25	48.0	72131	25137937	F32T8/25W/SPX50/ECO	36	50,000	55000	2500	2350	5000K	80	Δ	93117215	26391307	LED11BDT8/G4/850
4' T8 Ecolux [®] 28 Watt Lamp																	
T8	G13	28	48.0	72864	25188218	F28T8/XL/SPX35/ECO	36	45,000	50,000	2,675	2,515	3500K	85	Δ	93117213	26391306	LED11BDT8/G4/835
	G13	28	48.0	72866	25184924	F28T8/XL/SPX41/ECO	36	45,000	50,000	2,675	2,515	4100K	82	Δ	93117214	26391305	LED11BDT8/G4/840
	G13	28	48.0	72867	25188219	F28T8/XL/SPX50/ECO	36	45,000	50,000	2,675	2,515	5000K	80	Δ	93117215	26391307	LED11BDT8/G4/850
4' T8 Ecolux [®] High Lumen																	
T8	G13	32	48.0	10326	22071717	F32T8/XL/SPX35/HL/ECO	36	40,000	45,000	3,100	2,915	3500K	85	Δ	39494	26189126	LED14BDT8/G4/835
	G13	32	48.0	10322	22058641	F32T8/XL/SPX41/HL/ECO	36	40,000	45,000	3,100	2,915	4100K	82	Δ	39498	26189127	LED14BDT8/G4/840
	G13	32	48.0	42556	25015721	F32T8/XL/SPX50/HL/ECO	36	40,000	45,000	3,000	2,820	5000K	80	Δ	39519	26189128	LED14BDT8/G4/850

8' T8 Lamps

Bulb Shape	Base Type	Watts	Nominal Length (in.)	Order Code	GBID	Description	Carton Qty ¹	Rated Life (3hr/ Start)	Rated Life (12hr/ Start)	Initial Lumens	Mean Lumens	Color Temp.	CRI	Notes	Order Code	GBID	Description
8' T8 XL Extra-Life																	
T8	Fa8	59	96.0	68869	25448613	F96T8/XL/SPX35/2	24	24,000	30,000	5,950	5,650	3500K	85		93319020	26726610	LED42BDT8/G8/Fa8/8SC/120-347
	Fa8	59	96.0	68870	25448614	F96T8/XL/SPX41/2	24	24,000	30,000	5,400	4,860	4100K	85		93319020	26726610	LED42BDT8/G8/Fa8/8SC/120-347
	Fa8	59	96.0	68871	25448615	F96T8/XL/SPX50/2	24	24,000	30,000	5,950	5,650	5000K	82		93319020	26726610	LED42BDT8/G8/Fa8/8SC/120-347

8' T8 High Output Lamps

Bulb Shape	Base Type	Type	Watts	Nominal Length (in.)	Order Code	GBID	Description	Carton Qty ¹	Rated Life (3hr/Start)	Initial Lumens	Mean Lumens	Color Temp.	CRI	Notes	Order Code	GBID	Description
8' T8 High Output – Recessed Double Contact																	
T8	R17D	86	96.0	12533	95045502	F96T8/SPX35/HO	24	18,000	8,200	7,800	3500K	85			93319022	27009560	LED42BDT8/G8/R17d/8SC/120-347
	R17D	86	96.0	12534	95045503	F96T8/SPX41/HO	24	18,000	8,200	7,800	4100K	85			93319022	27009560	LED42BDT8/G8/R17d/8SC/120-347
	R17D	86	96.0	12535	95045504	F96T8/SPX50/HO	24	18,000	8,200	7,800	5000K	82			93319022	27009560	LED42BDT8/G8/R17d/8SC/120-347

T8 Mod-U-Line[®] Lamps

Bulb Shape	Base Type	Watts	Nominal	Order Code	GBID	Description	Carton Qty¹	Rated Life (3hr/Start)	Initial Lumens	Mean Lumens	Color Temp.	CRI	Notes	Order Code	GBID	Description
			Length (in.)													
T8 1-5/8" Spacing Ecolux®																
T8	G13	31	22.5	72118	25175689	F31T8/SPX35/U/ECO	15	24,000	2,775	2,440	3500K	82		93320487	27006984	LED13BDT8/U/U6/8SC/120-347
		31	22.5	72119	25175690	F31T8/SPX41/U/ECO	15	24,000	2,775	2,440	4100K	82		93320487	27006984	LED13BDT8/U/U6/8SC/120-347
T8 6" Spacing Ecolux®																
T8	G13	32	22.5	28145	22118499	F32T8/SP30/U6/ECO	12	20,000	2,700	2,375	3000K	78		93320487	27006984	LED13BDT8/U/U6/8SC/120-347
	G13	32	22.5	28149	22118500	F32T8/SP35/U6/ECO	12	20,000	2,700	2,375	3500K	78		93133050	26493758	LED13BDT8/U6/835
	G13	32	22.5	28152	22118501	F32T8/SP41/U6/ECO	12	20,000	2,700	2,375	4100K	78		93133051	26493759	LED13BDT8/U6/840
	G13	32	22.5	72112	25168168	F32T8/SPX35/U6/ECO	12	20,000	2,800	2,465	3500K	82		93133050	26493758	LED13BDT8/U6/835
	G13	32	22.5	72113	25168169	F32T8/SPX41/U6/ECO	12	20,000	2,800	2,465	4100K	82		93133051	26493759	LED13BDT8/U6/840

Special Application Lamps

Bulb Shape		Base Type	Watts	Nominal Length (in.)	Order Code	GBID	Description	Carton Qty¹	Rated Life (3hr/ Start)	Rated Life (12hr/ Start)	Initial Lumens	Mean Lumens	Color Temp. CRI	Notes	Order Code	GBID	Description
covGuard® Shatter Resistant																	
(T5 High Efficiency)																	
T5	G5	28	45.2	81547	25046970	F28W/T5/835/ECO/CVG	40	30,000	36,000	2,813	2,672	3500K 85	Blocks UV				
(T5 High Output)																	
T5	G5	54	45.2	48458	25064591	F54T5/841/HO/ECO/CVG	40	30,000	36,000	4,850	4,560	4100K 85			93155904	26728712	LED25BDT5/G4/840/CVG
	G5	54	45.2	80311	25068402	F54T5/850/HO/ECO/CVG	40	30,000	36,000	4,650	4,370	5000K 85			93155905	26603789	LED25BDT5/G4/850/CVG
T8 Ecolux® w/ Starcoat®																	
(4' T8 (48") Ecolux® w/Starcoat®)																	
T8	G13	32	48.0	41126	99426374	F32T8SPX35ECOCVG	36	30,000	36,000	2,860	2,715	3500K 85	Blocks UV, Δ		93154588	-	LED16BDT8/G4/835XL/CVG
	G13	32	48.0	41127	99426376	F32T8SPX41ECOCVG	36	30,000	36,000	2,860	2,715	4100K 85	Blocks UV, Δ		93154589	26709999	LED16BDT8/G4/840XL/CVG
	G13	32	48.0	15971	22051588	F32T8SPX50ECOCVG	36	30,000	36,000	2,715	2,580	5000K 82	Blocks UV, Δ		93154586	26623696	LED16BDT8/G4/850XL/CVG

¹ Minimum order quantity = Carton Qty

Δ Impacted by 4' fluorescent state legislation, SKU not for sale in Vermont after 1/1/2024 due to state legislation; for more information please visit www.LED.com/lamplaw

Linear Fluorescent Lamps



****Fluorescent Phase-Out Regulations**:** Several US states have enacted legislation that prohibit/will prohibit the sale of Linear and Compact Fluorescent Lamps within their state. For more information including effective dates, please visit www.LED.com/lamplaw

T12 Lamps

														Type B LED Replacement		
Bulb Shape	Base Type	Nominal Watts	Nominal Length (in.)	Order Code	GBID	Description	Carton Qty ¹	Rated Life (3hr/Start)	Initial Lumens	Mean Lumens	Color Temp.	CRI	Notes	Order Code	GBID	Description
2' T12 - Preheat (TCLP Compliant)																
T12	G13	20	24.0	80045	25041207	F20T12/CW/ECO	24	9,000	1,200	1,150	4100K	60		39561	26327571	LED9BDT8/G2/840
	G13	20	24.0	80047	25040218	F20T12/D/ECO	24	9,000	1,025	945	6500K	75		39563	26327572	LED9BDT8/G2/850
4' T12 - Rapid Start (TCLP Compliant)																
(34W Watt-Miser® Ecolux®)																
T12	G13	34	48.0	66474	25438080	F34CX41/WM/ECO	30	20,000	2,500	2,200	4100K	87	Δ	93117214	26391305	LED11BDT8/G4/840
(40W Ecolux®)																
T12	G13	40	48.0	80096	25040205	F40C50/ECO	30	20,000	2,250	1,870	5000K	90	Δ	93117215	26391307	LED11BDT8/G4/850
	G13	40	48.0	80097	25040163	F40DX/ECO	30	20,000	2,050	1,740	6500K	90	Δ	93117215	26391307	LED11BDT8/G4/850
8' T12 Instant Start																
(8' Instant Start Standard)																
T12	Fa8	75	96.0	14652	95072434	F96T12/DX	15	12,000	4,300	3,870	6500K	90		93319020	26726610	LED42BDT8/G8/Fa8/8SC/120-347
(8' Instant Start Watt-Miser® XL Extra-life)																
T12	Fa8	60	96.0	68052	25446831	F96T12/CW/C/WM	15	12,000	3,600	2,900	4100K	90		93319020	26726610	LED42BDT8/G8/Fa8/8SC/120-347
	Fa8	60	96.0	66858	25438089	F96T12XL/HL41/WM	15	12,000	5,900	5,480	4100K	80		93319020	26726610	LED42BDT8/G8/Fa8/8SC/120-347
T12 High Output (800mA) Rapid Start Recessed Double Contact																
(4' High Output)																
T12	R17D	60	48.0	10773	88111899	F48T12/CW/HO	24	12,000	3,825	3,320	4100K	60	Δ	93319032	27016937	LED18BDT8/G4/R17d/8SC/120347
	R17D	60	48.0	10778	88111904	F48T12/D/HO	24	12,000	3,400	2,960	6500K	75	Δ	93319032	27016937	LED18BDT8/G4/R17d/8SC/120347
(5' High Output)																
T12	R17D	75	60.0	23075	93145758	F60T12/CW/HO 15PK	15	12,000	5,150	4,480	4100K	60		93319030	-	LED24BDT8/G5/R17d/8SC/120-347
	R17D	75	60.0	23077	93145760	F60T12/D/HO 15PK	15	12,000	4,400	3,830	6500K	75		93319030	-	LED24BDT8/G5/R17d/8SC/120-347
(6' High Output)																
T12	R17D	85	72.0	13697	88111970	F72T12/CW/HO 15PK	15	12,000	6,350	5,520	4100K	60		93319026	-	LED30BDT8/G6/R17d/8SC/120-347
	R17D	85	72.0	13699	88111974	F72T12/D/HO 15PK	15	12,000	5,350	4,650	6500K	75		93319026	-	LED30BDT8/G6/R17d/8SC/120-347
(7' High Output)																
T12	R17D	100	84.0	13766	88111998	F84T12/CW/HO 15PK	15	12,000	7,700	6,700	4100K	60		93319024	-	LED35BDT8/G7/R17d/8SC/120-347
	R17D	100	84.0	13767	88112000	F84T12/D/HO 15PK	15	12,000	6,500	5,660	6500K	75		93319024	-	LED35BDT8/G7/R17d/8SC/120-347
(8' High Output)																
T12	R17D	95	96.0	66862	25438093	F96T12/HL41/HO/WM	15	12,000	8,850	7,920	4100K	77		93319022	27009560	LED42BDT8/G8/R17d/8SC/120-347

Cold Temperature Lamps

			Nominal				Carton	Rated								
Bulb Shape	Base Type	Watts	Length (in.)	Order Code	GBID	Description	Qty¹	Life (3hr/ Start)	Initial Lumens	Mean Lumens	Color Temp	CRI	Notes	Order Code	GBID	Description
High Output (800mA) Recessed Double Contact																
T12	R17D	110	96.0	11918	94025375	F96T12/CW/HO/CT	15	12,000	8,900	7,740	4100K	60		93319022	27009560	LED42BDT8/G8/R17d/8SC/120-347
	R17D	110	96.0	11919	94025374	F96T12/D/HO/CT	15	12,000	7,600	6,610	6500K	75		93319022	27009560	LED42BDT8/G8/R17d/8SC/120-347

T9 Circline® Lamps

													Type B LED Replacement			
Bulb Shape	Base Type	Watts	Nominal Length (in.)	Order Code	GBID	Description	Carton Qty ¹	Rated Life (3hr/Start)	Initial Lumens	Mean Lumens	Color Temp.	CRI	Notes	Order Code	GBID	Description
T9 Circline® Lamps																
T9	G10q	22	8.25	33774	88112108	FC8T9/CW	12	12,000	1,100	825	4100K	60				
	G10q	32	12.0	33890	88112097	FC12T9/CW	12	12,000	1,950	1,460	4100K	60				

¹ Minimum order quantity = Carton Qty

Δ Impacted by 4' fluorescent state legislation, SKU not for sale in Vermont after 1/1/2024 due to state legislation; for more information please visit www.LED.com/lamplaw

Regulation Readiness: Fluorescent Phase-Out

In an effort to regulate consumer products that contain mercury, state governments within the USA have passed legislation that will prohibit the sale and distribution of Linear and Compact Fluorescent lamps. The effective date of each state regulation is shown in the table below. This table will continue to evolve as new legislation is passed.

Regulation Effective Date by Product Category

State	Product Category				
	4-Foot Linear Fluorescent	All Linear Fluorescent	Screw or Bayonet Based Compact Fluorescent	Pin Based Compact Fluorescent	Mercury Vapor High Intensity Discharge
Vermont	1/1/2024				
California		1/1/2025	1/1/2024	1/1/2025	
Colorado		1/1/2025	1/1/2024	1/1/2025	
Oregon		1/1/2025	1/1/2024	1/1/2025	
Rhode Island		1/1/2025	1/1/2024	1/1/2025	
Hawaii		1/1/2026	1/1/2025	1/1/2026	
Minnesota		1/1/2026	1/1/2025	1/1/2026	1/1/2025
Maine		1/1/2026	1/1/2026	1/1/2026	
Illinois		1/1/2027	1/1/2026	1/1/2027	
Washington State		1/1/2029	1/1/2029	1/1/2029	

Mercury in Fluorescent Lighting

Fluorescent technology was developed by General Electric in 1934. While the amount of mercury in each fluorescent lamp has significantly decreased over the past 90 years, a small amount is still required to produce light in all Discharge lamps. When electricity is applied to a fluorescent tube, mercury ions emit energy in the form of ultraviolet (UV) light. UV light is then converted into visible light by interacting with the phosphor coating on the inside of the glass tube. Mercury has electrical characteristics that cannot be matched by other materials and remains a key component of fluorescent lighting.

Transitioning to LED Lighting

LED (Light Emitting Diode) lamps do not contain mercury, and Current offers a variety of LED lamp options to replace Linear & Compact Fluorescent lamps. The different Types of LED lamps are explained in the following pages. Suggested LED replacements are noted for fluorescent lamps in the tables in this document. These are basic recommendations, but suitability should be evaluated for each specific application where fluorescent lamps were used. For more information about the transition from fluorescent to LED, contact your Current sales representative.

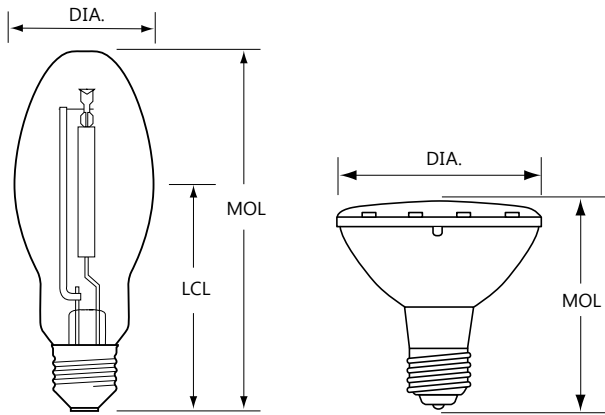
To learn more about Fluorescent Regulations and LED replacements, please visit www.LED.com/lamplaw

High Intensity Discharge Lamps



High Intensity Discharge lighting provides energy efficiency in a compact size for many commercial and industrial applications.

Reference Guide | Bulb Identification



DIA: Diameter of bulb at widest point.

MOL: Maximum Overall Length including base or pins.

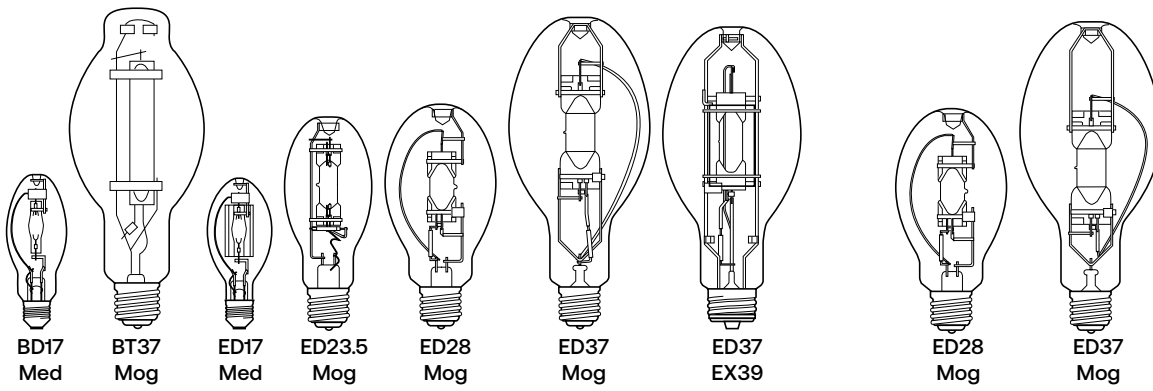
LCL: Distance between the center of the arc tube and the Light Center Length reference plane.

Note: Lamp drawings are not drawn to scale.

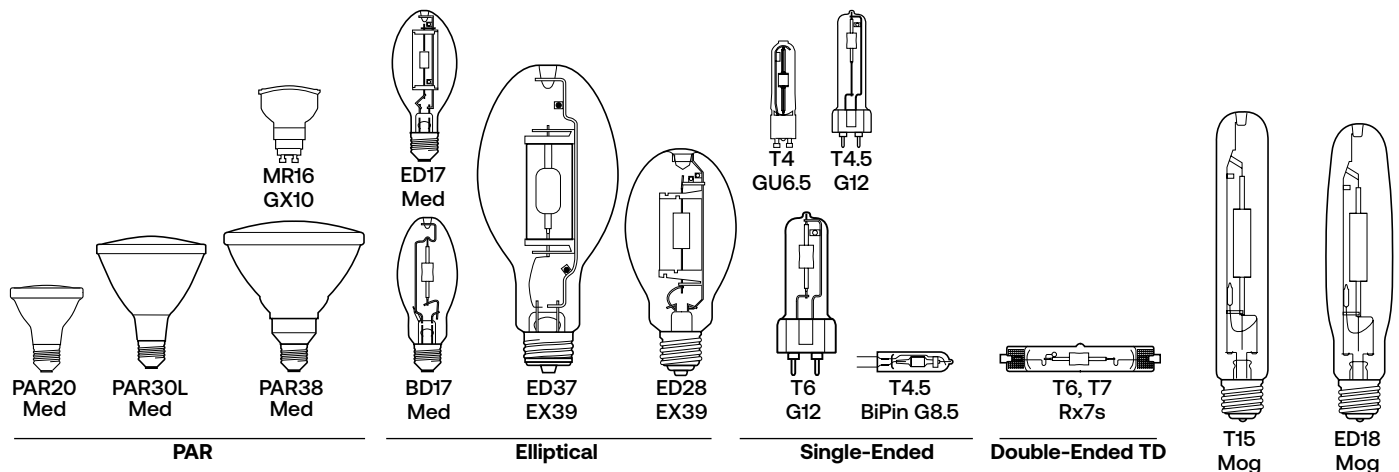
Be sure to check size and dimension information when identifying each lamp.

To convert inches to millimeters, multiply the dimension (in inches) by 25.4 (i.e. 1.5" x 25.4 = 38.1 mm).

Filament Identification



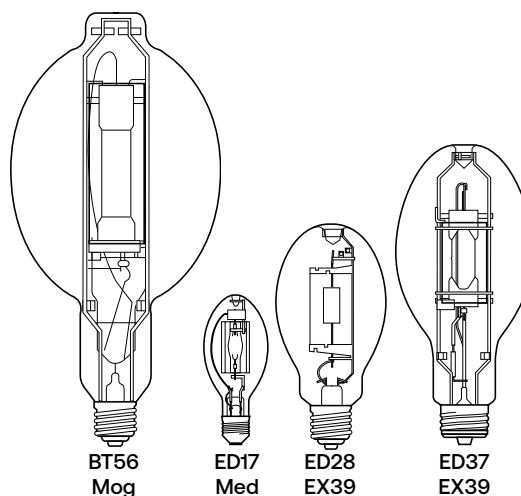
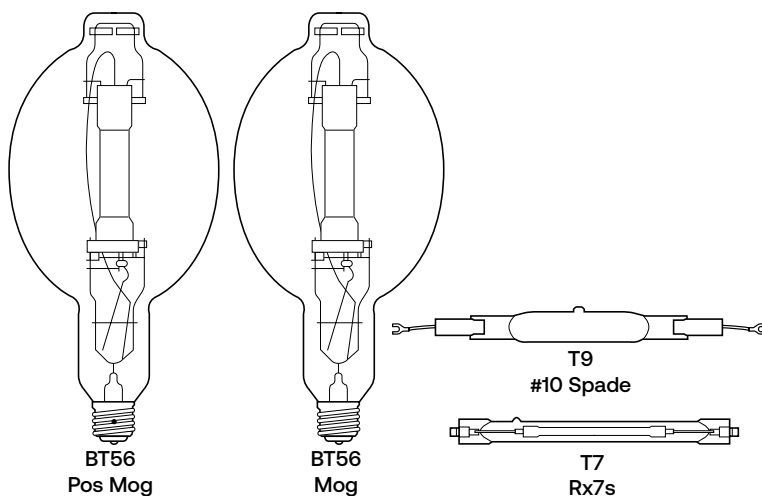
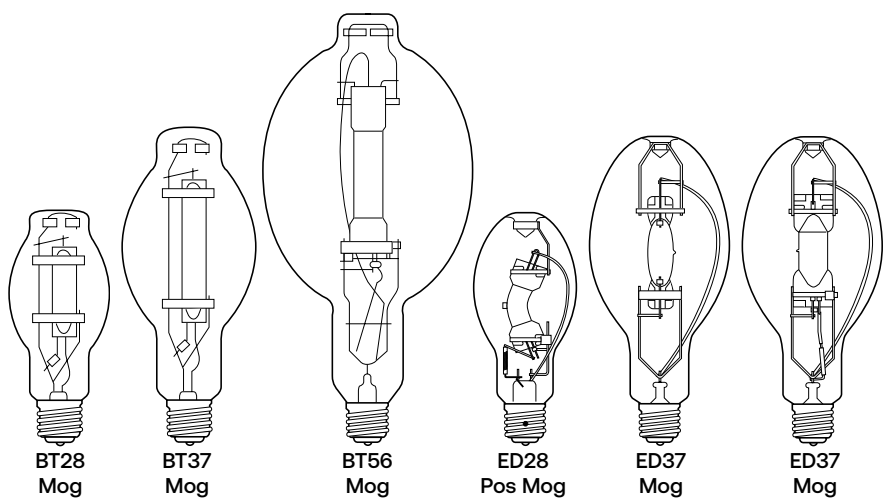
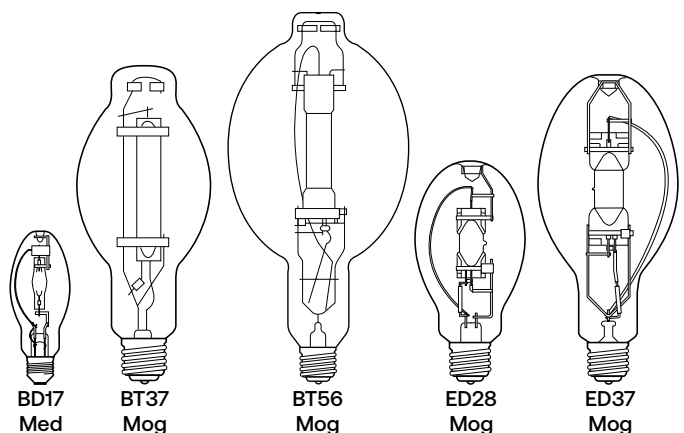
Base Identification (not drawn to scale)



High Intensity Discharge Lamps



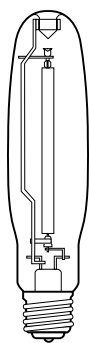
Lamp Drawings (not drawn to scale)



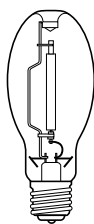
High Intensity Discharge Lamps



Lamp Drawings (Conti.) (not drawn to scale)



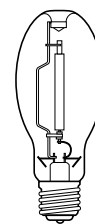
BD18
Mog



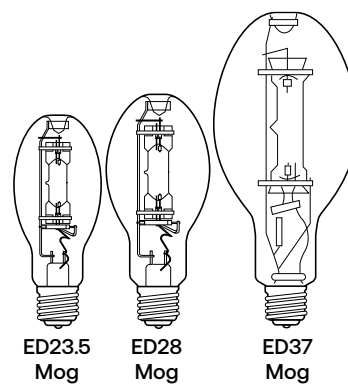
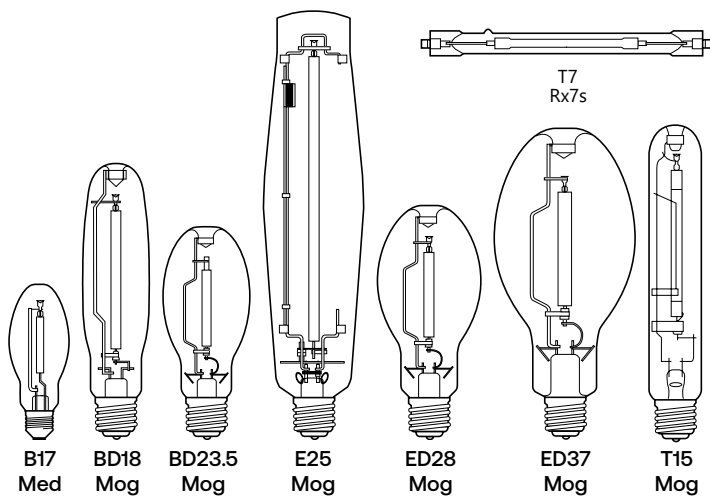
ED23.5
Mog



ED18
Mog



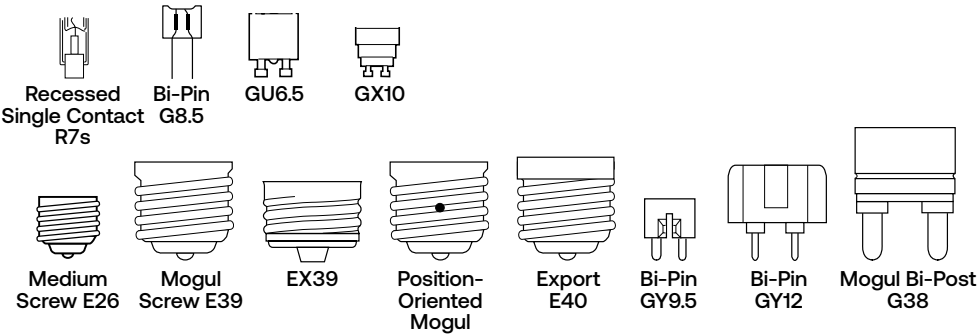
ED23.5
Mog





High Intensity Discharge Lamps

Base Identification (not drawn to scale)



Catalog Logic:

Bulb Shape:

followed by its size (the maximum diameter of the bulb expressed in eighths of an inch).

LET (Lamp Enclosure Type):
Describes fixture requirements for this lamp

Base:
The type of base

OP (Operating Position)

Watts:

Energy used (as defined by FTC Lamp Label Rules). To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000.

LCL (in):
Distance between the center of the filament and the Light Center Length reference plane, in inches.

MOL (in):
Maximum Overall Length in inches

Order Code:
Use the order code when ordering to ensure that you receive the exact product you require.

Description:
Lamp Model Description

Color Temperature – Kelvins (K):

A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value, the whiter or "cooler" the light appears.

Means Lumens:

Lamp light output at 40% of rated lamp life or 8K hours for lamps exceeding 20K hours life.

Rated Life (hours):

Life (as defined by FTC Lamp Label Rules) is rated life in hours.

CBCP (Center beam Candlepower):

For reflector-type lamps, Center Beam Candlepower is the intensity (candelas) at the center of maximum intensity of the beam. Used only for ConstantColor® CMH® Metal Halide Lamps

Carton Quantity:
Number of lamps packed in a carton

ANSI Ballast Type:
Ballast type used to operate lamp

Initial Lumens:
Lamp light output after the initial 100 hours of operation.

Warning Notice:

Warning and Caution notices for High Intensity Discharge lamps. See pages 76 – 81

LED Replacement:

Current offers a wide range of LED replacement lamps. The LED lamp models are provided as general guidance. Often, there will be more than one LED Lamp that may be used to replace a Traditional lamp. For Traditional lamps that operated off a ballast, the ballast bypass (UL Type B) LED option is given unless otherwise noted. The application should be considered when selecting an LED replacement lamp. Sometimes, Traditional lamps do not have a suitable LED replacement due to special application considerations, such as very high heat. Contact Current for additional guidance if the appropriate LED solution is unclear.

Bulb Shape	Base Type	LET	OP	Watts	MOL (in)	LCL (in)	Order Code	Description	ANSI Ballast Type	Carton Qty	CBCP	Rated Life (hrs*)	Initial Lumens	Mean Lumens	Color Temp.	CRI	Warning Notice	Type B LED Replacement Order Code	Description
CMH® MR16/MR17																			
MR16	GX10	O	U	20	2.28		85101	CMH20MR16/830/SP	C156/M156	12	9,000	12,000	1,000		3000K	81	5		

CMH20MR16/830/SP

Identifies as CMH® lamp.

Identifies the lamp's wattage

Identifies the bulb shape

Color temp. and CRI

Additional Information



Lamp Contains Mercury.
Manage in Accord with Disposal Laws.
See www.lamprecycle.org or 1-800-327-0097

High Intensity Discharge Lamps



Multi-Vapor® Metal Halide Lamps



										ANSI	Car-	Rated								
Bulb Shape	Base Type	LET	OP	Watts	MOL (In)	LCL (In)	Order Code	GBID	Description	Ballast Type	ton Qty'	Life (hrs*)	Initial Lumens	Mean Lumens	Color Temp.	CRI	Warning Notice	Order Code	GBID	Description
50 Watts - Enclosed Rated																				
BD17	E26	E	U	50	5.43	3.43	10361	93197867	MXR50/U/MED	M110	6	10,000	3,200	2,100	3700K	60	1, 3	27729	26048535	LED21ED17/740
70 Watts - Enclosed Rated																				
BD17	E26	E	U	70	5.43	3.43	22158	92116534	MXR70/U/MED	M98	6	12,000	5,500	3,500	3500K	55	1, 3	27729	26048535	LED21ED17/740
BD17	E26	E	U	70	5.43	3.43	12590	94058601	IMVR70/U/MED	M98	6	12000	5,500	3,000	4000K	65	1, 3	27729	26048535	LED21ED17/740
70 Watts - Open Rated																				
ED17	E26	O	U	70	5.43	3.43	12377	95045522	MXR70/U/MED/O	M98	6	15,000	5,500	3,500	3200K	70	1, 3	93303384	26613067	LED/LC/ED17/73C
100 Watts - Enclosed Rated																				
BD17	E26	E	U	100	5.43	3.43	18680	89089085	MXR100/U/MED	M90	6	15,000	9,000	6,200	3200K	65	1, 3	93112114	26392087	LED35ED17/730
BD17	E26	E	U	100	5.43	3.43	12652	94056835	MVR100/U/MED	M90	6	15,000	9,500	5,800	4000K	70	1, 3	27602	26048537	LED35ED17/740
100 Watts - Open Rated																				
ED17	E26	O	U	100	5.43	3.43	12381	96011656	MXR100/U/MED/O	M90	6	15,000	9,000	6,200	3200K	70	1, 3	93112114	26392087	LED35ED17/730
150 Watts - Enclosed Rated																				
BD17	E26	E	U	150	5.43	3.43	12598	92042162	MVR150/U/MED	M102	6	15,000	14,000	10,500	4300K	65	1, 3	93303384	26613067	LED/LC/ED17/73C
150 Watts - Open Rated																				
ED17	E26	O	U	150	5.43	3.43	45683	99703328	MXR150/U/MED/O	M102	6	15,000	12,500	8,600	3500K	70	1, 3	93303384	26613067	LED/LC/ED17/73C
175 Watts - Enclosed Rated																				
BD17	E26	E	U	175	5.75	3.43	18902	91007376	MVR175/U/MED	M57	6	6,000H/10,000V	11,700H/14,000V	7,400H/8,800V	4000K	60	1, 2	93148082	26583851	LED45ED17/740
ED28	E39	E	U	175	8.25	5.00	47760	88112491	MVR175/U	M57	12	6,000H/10,000V	11,700H/13,600V	7,900H/8,800V	4000K	55	1, 2	22679	26029879	LED50ED23.5/740
ED28	E39	E	U	175	8.25	5.00	47761	88112280	MVR175/C/U	M57	12	6,000H/10,000V	11,900H/12,900V	7,900H/8,400V	3900K	55	1, 2	22679	26029879	LED50ED23.5/740
250 Watts - Enclosed Rated																				
ED28	E39	E	U	250	8.25	5.00	42729	88112492	MVR250/U	M58	12	6,000H/10,000V	19,100H/20,800V	12,400H/13,500V	4200K	60	1, 2	22635	25975680	LED80ED23.5/740
250 Watts - Enclosed Rated, PulseArc																				
ED28	E39	E	U	250	8.25	5.00	78665	25261193	MVR250/U/PA	M138/M153	12	12,000H/15,000V	18,600H/22,400V	12,000H/14,000V	3900K	60	1, 3	22635	25975680	LED80ED23.5/740
320 Watts - Enclosed Rated, PulseArc																				
ED28	E39	E	VBU	320	8.25	5.00	27501	98307618	MVR320/VBU/HO/PA	M132/M154	12	20,000	31,000	18,000	4000K	60	1, 3	22622	25968246	LED115ED28/740
320 Watts - Open Rated																				
ED28	EX39	O	VBU	320	8.25	5.00	19609	25002237	MPR320/C/PA/ED28	M132/M154	12	20,000	30,600	22,500	3700K	70	1, 3	22622	25968246	LED115ED28/740
400 Watts - Enclosed Rated																				
ED28	E39	E	U	400	8.25	5.00	18904	91025570	MVR400/U/ED28	M59	12	15,000H/20,000V	33,100H/38,000V	22,100H/23,500V	4000K	60	1, 2	22611	25968247	LED150ED28/740
400 Watts - Enclosed Rated, PulseArc																				
ED37	E39	E	U	400	11.50	7.00	78666	25260299	MVR400/U/PA	M135/M155	6	15,000H/20,000V	31,200H/39,400V	18,000H/22,000V	4000K	60	1, 3	22611	25968247	LED150ED28/740
ED28	E39	E	VBU	400	8.25	5.00	46271	99703357	MVR400/VBUED28PA	M135/M155	12	20,000	44,000	28,500	4000K	65	1, 3	22611	25968247	LED150ED28/740
ED28	E39	E	HOR	400	8.25	5.00	72885	25186401	MVR400/HOR/ED28/PA	M135/M155	12	20,000	38,000	21,400	4100K	65	1, 3	22611	25968247	LED150ED28/740
400 Watts - Open Rated																				
ED37	EX39	O	VBU	400	11.50	7.00	46273	99701989	MPR400/VBU/XHOPA	M135/M155	6	20,000	42,000	29,500	4000K	65	1, 3	22611	25968247	LED150ED28/740
ED37	EX39	O	VBU	400	11.50	7.00	18708	89089425	MPR400/VBU/HO/O	M59	6	20,000	40,000	36,000	3400K	65	1, 2	93311586	26687367	LED/LC/ED37/740
1000 Watts - Enclosed Rated																				
BT37	E39	E	U	1000	11.50	7.00	18205	96011619	MVR1000/U/BT37	M47	6	9,000H/12,000V	105,000H/115,000V	82,000H/90,000V	3700K	65	1, 3	93311586	26687367	LED/LC/ED37/740
1000 Watts - Open Rated																				
BT56	EX39	O	VBU	1000	15.37	9.50	41433	99525507	MPR1000/VBU/HO/O	M47	6	12,000	110,000	88,500	3500K	65	1, 3	93096445	26103104	LED450BT56/740
1500 Watts - Enclosed Rated																				
BT56	E39	E	U	1500	15.37	9.50	47326	99565223	MVR1500/U/SPORTS	M48	6	3,000	162,000H/170,000V	137,000H/153,000V	4000K	65	1, 3	93303389	26640428	LED470BT56/740

* Minimum order quantity = Carton Qty

High Intensity Discharge Lamps



Constant Color CMH® Metal Halide Lamps



Bulb Shape	Base Type	LET	OP	Watts	MOL (In)	LCL (In)	Order Code	GBID	Description	ANSI Ballast Type	Car-ton Qty¹	CBCP	Rated Life (hrs*)	Initial Lumens	Mean Lumens	Color Temp.	CRI	Warning Notice	Order Code	GBID	Description
CMH® MR16/MR17																					
MR16	GX10	O	U	20	2.28		85101	25122144	CMH20MR16/830/SP	C156/M156	12	9,000	12,000	1,000		3000K	81	4			
	GX10	O	U	20	2.28		85110	25101984	CMH20MR16/830/FL	C156/M156	12	2,900	12,000	1,000		3000K	81	4			
	GX10	O	U	39	2.28		71489	25199635	CMH39MR16/930/FL	C130/M130	12	5,500	10,000	2,200		3000K	90	4			
CMH® PAR																					
PAR30L	E26	O	U	39	4.75		42067	99688170	CMH39PAR30L/FL25	C130/M130	6	11,000	10,000	2,400		3000K	81	4	75091	25868099	LED18P30LW83025
CMH® Single-Ended G12																					
T6	G12	E	U	39	3.56	2.18	20153	25020521	CMH39TUVU830G12	C130/M130	12		15,000	3,400	2,300	3000K	84	4			
	G12	E	U	70	3.56	2.18	20016	99504568	CMH70TU/830/G12	C139/M139	12		15,000	6,200	4,700	3000K	83	4			
CMH® GU6.5																					
T4	GU6.5	E	U	20	2.05	1.18	85086	25083545	CMH20T/U830GU6.5	C156/M156	12		12,000	1,615	1,066	3000K	81	4			
	GU6.5	E	U	39	2.05	1.18	71484	25197980	CMH39T/U930GU6.5	C130/M130	12		10,000	3,400	2,300	3000K	88	4			
CMH® Mini's																					
T4.5	G8.5	E	U	20	3.37	2.00	92696	99871919	CMH20TCU830/G8.5	C156/M156	12		12,000	1,650	1,090	3000K	81	4			
	G8.5	E	U	39	3.37	2.00	90352	94055375	CMH39TCU830/G8.5	C130/M130	12		16,500	3,400	2,300	3000K	84	4			
	G8.5	E	U	70	3.37	2.00	92585	99569466	CMH70TCU830G8.5	C139/M139	12		15,000	6,200	4,400	3000K	83	4			

High Pressure Sodium Lamps

										ANSI	Car-	Rated								
Bulb Shape	Base Type	LET	OP	Watts	MOL (In)	LCL (In)	Order Code	GBID	Description	Ballast Type	ton Qty ⁱ	Life (hrs*)	Initial Lumens	Mean Lumens	Color Temp.	CRI	Warning Notice	Order Code	GBID	Description
70-1000 Watts																				
B17	E26	O	U	70	5.43	3.43	11339	88112268	LU70/MED/ECO	S62	6	24,000+	6,400	5,450	1900K	22	5	93112114	26392087	LED35ED17/730
ED23.5	E39	O	U	70	7.75	5.00	85368	25079086	LU70/H/ECO	S62	12	24,000+	6,400	5,450	1900K	22	5	93303384	26613067	LED/LC/ED17/7SC
B17	E26	O	U	100	5.50	3.43	13250	88112242	LU100/MED/ECO	S54	6	24,000+	9,500	8,550	2000K	22	5	93303384	26613067	LED/LC/ED17/7SC
ED23.5	E39	O	U	100	7.75	5.00	85369	25079087	LU100/H/ECO	S54	12	24,000+	9,500	8,550	2000K	22	5	93312106	26687370	LED/LC/ED23.5/7SC
B17	E26	O	U	150	5.75	3.50	13252	88112247	LU150/MED/ECO	S55	6	24,000+	16,000	14,400	2000K	22	5	93303384	26613067	LED/LC/ED17/7SC
ED23.5	E39	O	U	150	7.75	5.00	85371	25079088	LU150/55/H/ECO	S55	12	24,000+	16,000	14,400	2000K	22	5	93312106	26687370	LED/LC/ED23.5/7SC
ED18	E39	O	U	200	9.75	5.75	85372	25167641	LU200/H/ECO	S66	12	24,000+	22,000	19,800	2100K	22	5	93320018		LED120ED18/730/277-480
	E39	O	U	250	9.75	5.75	85377	25079090	LU250/H/ECO	S50	12	24,000+	28,000	25,200	2100K	22	5	93320018		LED120ED18/730/277-480
	E39	O	U	400	9.75	5.75	85379	25061638	LU400/H/ECO	S51	12	24,000+	51,000	45,000	2100K	22	5	93312096	26691039	LED180ED18/730
E25	E39	O	U	1000	15.06	8.75	44058	88112243	LU1000/ECO	S52	6	24000+	130,000	117,000	2100K	22	6			

¹ Minimum order quantity = Carton Qty



1 WARNING NOTICE NO. 1:

WARNING

Risk of electric shock

- Turn power off before inspection, installation, or removal
- Do not use where directly exposed to water or outdoors without an enclosed fixture

Risk of fire

- Keep combustible materials away from lamp
- Use in fixture rated for this product

A damaged lamp emits UV radiation which may cause eye/skin injury

- Turn power off if glass bulb is broken. Remove and dispose of lamp.
- Unexpected lamp rupture may cause injury, fire, or property damage
- Turn lamp off at least once for 15 minutes per week. FAILURE TO COMPLY INCREASES THE RISK OF RUPTURE.
- Do not use beyond rated life. Beyond rated life, light output diminishes while energy consumption and risk of lamp rupture increases.
- Do not use lamp if outer glass is scratched or broken
- Do not use where directly exposed to water or outdoors without an enclosed fixture
- Lamps with E-rated ANSI codes must be operated in enclosed fixtures -- See Instructions
- Do not store flammable materials near/below lamp in open fixture
- Use only properly rated ballast
- Do not exceed rated voltage
- Do not turn on lamp until fully installed
- Operate lamp only in specified position
- If used on a dimming system, see instructions.

INSTRUCTIONS

LAMP OPERATING CHARACTERISTICS

This is a discharge lamp and requires some time to restart and come to full brightness after a power interruption.

RELAMP FIXTURES AT OR BEFORE THE END OF RATED LIFE.

Beyond rated life, light output diminishes while energy consumption and risk of lamp rupture increases.

SPECIFIED OPERATING POSITIONS

VBV - Base up $\pm 15^\circ$ VBD - Base down $\pm 15^\circ$
 HOR - Horizontal $\pm 15^\circ$ HOR/PA - Horizontal $\pm 75^\circ$
 U - Universal

Match ANSI code of lamp to code on ballast or luminaire. Lamps are rated for either open or enclosed fixtures.

Note that lamps with S-rated ANSI codes operated in vertical position only (Base Up or Base Down), ± 15 degrees, can be used in an open fixture.

Use in luminaire which comply with UL1598 or IEC 60598. When used, fixture lens/diffuser material must be able to contain fragments of hot quartz or glass (up to 1100°C).

Electrically insulate any metal to bulb support in luminaire to avoid decomposition of glass.

For total load, add auxiliary watts to lamp watts.

Not for use with lampholders that have stainless steel center contacts to avoid lamp or lampholder damage due to arcing. (360-1000W only)

FOR USE ON DIMMING SYSTEMS

Contact your local Current sales representative

CAUTION

Risk of burn

- Allow lamp to cool before handling
- Do not turn on lamp until fully installed

Lamp may shatter and cause injury if broken

- Wear safety glasses and gloves when handling lamp
- Do not use lamp if outer glass is scratched or broken
- Dispose of lamp in a closed container
- Do not use excessive force when installing lamp
- CAUTION: Do not stare at light source. May be harmful to the eyes. Not applicable to diffuse coated bulbs.

LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws.
 See www.lamprecycle.org or 1-800-327-0097

R WARNING: This lamp can cause serious skin burn and eye inflammation from shortwave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available. This lamp certified to comply with FDA radiation performance standards, 21 CFR Subchapter J. USA: 21 CFR 1040.30 Canada: C.R.C., c. 1370

2 WARNING NOTICE NO. 2: Lamp contains Radioactive Material Thorium

3 WARNING NOTICE NO. 3: Lamp contains Radioactive Materials Thorium and Kr-85

4 WARNING NOTICE NO. 4:

WARNING

Risk of electric shock

- Turn power off before inspection, installation, or removal
- Do not use where directly exposed to water or outdoors without an enclosed fixture

Risk of fire

- Keep combustible materials away from lamp
- Use in fixture rated for this product
- Use fused or thermally protected ballast - see instructions

Unexpected lamp rupture may cause injury, fire, or property damage

- Do not exceed rated voltage
- Do not use where directly exposed to water or outdoors without an enclosed fixture
- Do not use lamp if outer glass is scratched or broken
- Use only properly rated ballast
- Do not store flammable materials near/below lamp
- Do not use beyond rated life
- Do not turn on lamp until fully installed

CAUTION

Risk of burn

- Allow lamp to cool before handling
- Do not turn on lamp until fully installed

Lamp may shatter and cause injury if broken

- Wear safety glasses and gloves when handling lamp
- Do not use lamp if outer glass is scratched or broken
- Dispose of lamp in a closed container
- Do not use excessive force when installing lamp

INSTRUCTIONS

LAMP OPERATING CHARACTERISTICS

This is a discharge lamp and requires some time to restart and come to full brightness after a power interruption.

For total load, add auxiliary watts to lamp watts

Relamp fixtures at or before the end of rated life. Beyond rated life, light output diminishes while energy consumption increases.

If power supply dips or is interrupted, lamps may extinguish and not restart. Turn off power supply for 10-15 minutes and allow lamp to fully cool. Lamps will restart when power is restored

Use on ballasts or systems that are either resistant to or will shut off in event of rectification

Lamp may be operated in any position.

UV Control is a quartz material that effectively cuts UVB and UVC radiation.

All MR16 and 20W PAR use only on electronic ballast.

Lamps designated as CMH70/PAR30 do not require thermally protected ballasts



LAMP CONTAINS MERCURY



Manage in Accord with Disposal Laws.
See www.lamprecycle.org or 1-800-327-0097

This product is in conformity with performance standards for high intensity mercury vapor lamps products under 21 CFR 1040, except with respect to those characteristics authorized by Variance Number FDA-2021-V-0995 effective September 27, 2021.

Arc tube fill gas contains Radioactive Material Kr-85

5 WARNING NOTICE NO. 5:

WARNING

Risk of electric shock

- Turn power off before inspection, installation, or removal
- Do not use where directly exposed to water or outdoors without an enclosed fixture

Risk of fire

- Keep combustible materials away from lamp
- Use in fixture rated for this product

Contains sodium – chemical burn risk

- Avoid skin contact with broken pieces

Unexpected lamp rupture may cause injury, fire, or property damage

- Do not exceed rated voltage
- Do not use where directly exposed to water or outdoors without an enclosed fixture
- Do not use lamp if outer glass is scratched or broken
- Use only properly rated ballast
- Do not store flammable materials near/below lamp
- Do not turn on lamp until fully installed

INSTRUCTIONS

LAMP OPERATING CHARACTERISTICS

This is a discharge lamp and requires some time to restart and come to full brightness after a power interruption.

HPS lamps may be operated in any burn position.

Match ANSI code of lamp to code on ballast or luminaire.

Use in luminaire which comply with UL1598 or IEC 60598.

Electrically insulate any metal to bulb support in luminaire to avoid decomposition of glass.

For total load, add auxiliary watts to lamp watts.

Not for use with lampholders that have stainless steel center contacts to avoid lamp or lampholder damage due to arcing. (400W only)

FOR USE ON DIMMING SYSTEMS

Contact your local Current sales representative

CAUTION

Risk of burn

- Allow lamp to cool before handling
- Do not turn on lamp until fully installed

Lamp may shatter and cause injury if broken

- Wear safety glasses and gloves when handling lamp
- Do not use lamp if outer glass is scratched or broken
- Dispose of lamp in a closed container
- Do not use excessive force when installing lamp



LAMP CONTAINS MERCURY



Manage in Accord with Disposal Laws.
See www.lamprecycle.org or 1-800-327-0097

6 WARNING NOTICE NO. 6:

WARNING

Risk of electric shock

- Turn power off before inspection, installation, or removal
- Do not use where directly exposed to water or outdoors without an enclosed fixture

Risk of fire

- Keep combustible materials away from lamp
- Use in fixture rated for this product - see instructions

Contains sodium – chemical burn risk

- Avoid skin contact with broken pieces

Unexpected lamp rupture may cause injury, fire, or property damage

- Do not exceed rated voltage
- Do not use where directly exposed to water or outdoors without an enclosed fixture
- Do not use lamp if outer glass is scratched or broken
- Use only properly rated ballast
- Do not store flammable materials near/below lamp
- Do not turn on lamp until fully installed

CAUTION

Risk of burn

- Allow lamp to cool before handling
- Do not turn on lamp until fully installed

Lamp may shatter and cause injury if broken

- Wear safety glasses and gloves when handling lamp
- Do not use lamp if outer glass is scratched or broken
- Dispose of lamp in a closed container
- Do not use excessive force when installing lamp

INSTRUCTIONS

LAMP OPERATING CHARACTERISTICS

This is a discharge lamp and requires some time to restart and come to full brightness after a power interruption.

Match ANSI code of lamp to code on ballast or luminaire. Or use suitable ballast and ignitor that complies with IEC 60923 and IEC 60927.

Use in luminaire which comply with UL1598 or IEC 60598.

Fixtures must have a specially designed mogul base lamp holder and must support the end of the lamp.

In vertical base up applications with no vibration and/or shock, a tempered glass enclosed fixture may be used in place of the lamp end support.

Electrically insulate any metal to bulb support in luminaire to avoid decomposition of glass.

For total load, add auxiliary watts to lamp watts.

Not for use with lampholders that have stainless steel center contacts to avoid lamp or lampholder damage due to arcing.

FOR USE ON DIMMING SYSTEMS

Contact your local Current sales representative



LAMP CONTAINS MERCURY



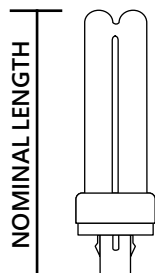
Manage in Accord with Disposal Laws.
See www.lamprecycle.org or 1-800-327-0097

Compact Fluorescent Lamps



Compact Fluorescent lighting offers high light output and long life for all your commercial plug-in applications.

Reference Guide | Bulb Identification



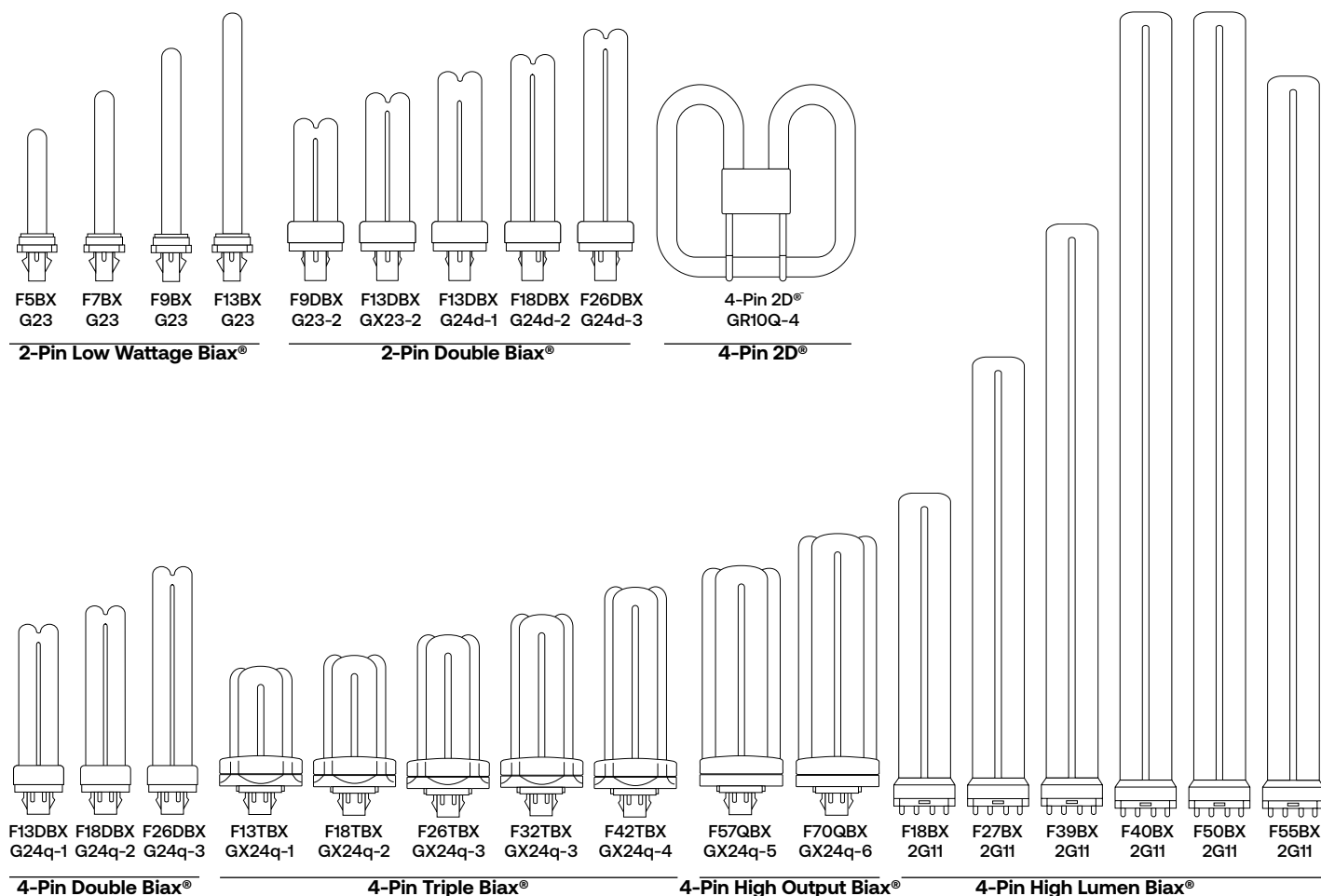
NOMINAL LENGTH:

Overall length including base or pins.

Note: Lamp drawings are not drawn to scale. Be sure to check size and dimension information when identifying each lamp.

To convert inches to millimeters, multiply the dimension (in inches) by 25.4 (i.e. 1.5" x 25.4 = 38.1 mm).

Lamp Drawings (not drawn to scale)

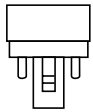


Plug-in Lamps

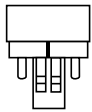
Compact Fluorescent Lamps



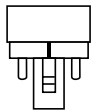
Base Identification (not drawn to scale)



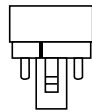
G23-2
(DBX2P)



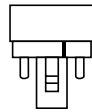
GX23-2
(DBX2P)



G23d-1
(DBX2P)



G24d-2
(DBX2P)



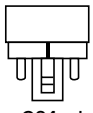
G24d-3
(DBX2P)



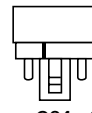
G23
(LWBX)



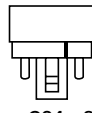
GX23
(LWBX)



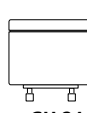
G24q-1
(DBX4P)



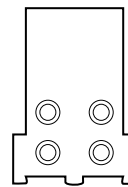
G24q-2
(DBX4P)



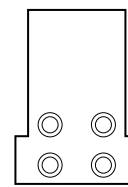
G24q-3
(DBX4P)



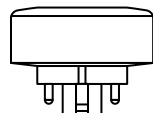
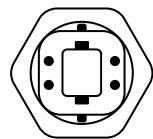
GU 24



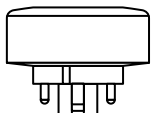
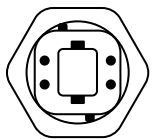
GRY10q-3
(2D4P)



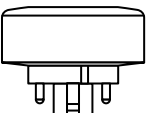
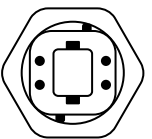
GR10q-4
(2D4P)



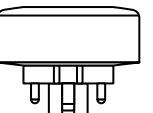
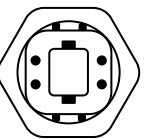
GX24q-1
(TBX4P)



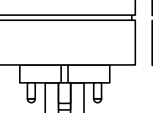
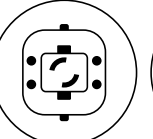
GX24q-2
(TBX4P)



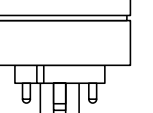
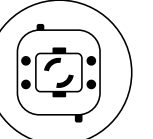
GX24q-3
(TBX4P)



GX24q-4
(TBX4P)



GX24q-5
(QBX4P)



GX24q-6
(QBX4P)



2G11-4
(HLBX)

Compact Fluorescent Lamps



Catalog Logic:

The following terms and descriptions can help you when checking Compact Fluorescent lamp specifications and when ordering products. Within each product line, lamps are divided into families and listed by base and wattage.

Watts: Energy used (as defined by FTC Lamp Label Rules). To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000.		Nominal Length (in): Lamp length including base and/or pins.		Order Code: Use the order code when ordering to ensure that you receive the exact product you require.		Description: Lamp Model Description		Rated Life (hours): Life (as defined by FTC Lamp Label Rules) is rated life in hours.		Initial Lumens: Lamp light output after the initial 100 hours of operation.		Mean Lumens: Lamp light output at 40% of rated lamp life or 8K hours for lamps exceeding 20K hours life.		Color Temperature – Kelvins (K): A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value, the whiter or "cooler" the light appears.		Color Rendering Index (CRI or R): An indication of the ability of the lamp to render object colors in a normal natural way. The higher the number (0-100), the better the color appearance		LED Replacement: Current offers a wide range of LED replacement lamps. The LED lamp models are provided as general guidance. Often, there will be more than one LED Lamp that may be used to replace a Traditional lamp. For Traditional lamps that operated off a ballast, the ballast bypass (UL Type B) LED option is given unless otherwise noted. The application should be considered when selecting an LED replacement lamp. Sometimes, Traditional lamps do not have a suitable LED replacement due to special application considerations, such as very high heat. Contact Current for additional guidance if the appropriate LED solution is unclear.	
Base: The type of base																			
Base Type	Watts	Nominal Length (in.)	Order Code	Description	Carton Qty	Rated Life (hrs.)	Initial Lumens	Mean Lumens	Color Temp.	CRI	LED Replacement								
2-Pin Low Wattage Biac®												Order Code	Description						
GX23	13	7.0	97573	F13BX/827/ECO	100	10,000	825	710	2700K	82	91404	LED5GX23/827 (Type A)							

F13BX/827/ECO

Identifies as Fluorescent lamp

Identifies Wattage

Identifies Lamps Shape

Identifies Lamps Color

Identifies TCLP compliant lamp



Lamp Contains Mercury.
Manage in Accord with Disposal Laws.
See www.lamprecycle.org or 1-800-327-0097

Compact Fluorescent Lamps



****Fluorescent Phase-Out Regulations**:** Several US states have enacted legislation that prohibit/will prohibit the sale of Linear and Compact Fluorescent Lamps within their state. For more information including effective dates, please visit www.LED.com/lamplaw

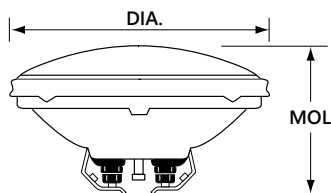
Plug-In Lamps

Base Type	Watts	Nominal Length (in.)	Order Code	GBID	Description	Carton Qty ¹	Rated Life (hrs.)	Initial Lumens	Mean Lumens	Color Temp.	CRI	Order Code	GBID	Description
2-Pin Low Wattage Biax [®]														
GX23	13	7.0	97573	25082742	F13BX/827/ECO	10	10,000	825	710	2700K	82	93312495	26696813	LED5BGX23/827
GX23	13	7.0	97569	25082744	F13BX/835/ECO	10	10,000	825	710	3500K	82	93312507	26696815	LED5BGX23/835
GX23	13	7.0	97571	25082745	F13BX/841/ECO	10	10,000	825	710	4100K	82	93312513	26696816	LED5BGX23/840
4-Pin High Lumen Biax [®]														
2G11	18	9.0	16053	88111672	F18BX/SPX35 10PK	10	10,000	1,200	1,080	3500K	82	93318810	-	LED9B2G11/8SC
2G11	18	9.0	16940	88312604	F18BX/SPX41 10PK	10	10,000	1,200	1,080	4100K	82	93318810	-	LED9B2G11/8SC
2G11	39	16.5	28393	26072683	F39BXSPX35RS10PK	10	12,000	2,850	2,565	3500K	82	93318822	27020173	LED16B2G11/8SC
2G11	39	16.5	28458	26076838	F39BXSPX41RS10PK	10	12,000	2,850	2,565	4100K	82	93318822	27020173	LED16B2G11/8SC
2G11	40	22.5	16953	88311233	F4030BXSPX30 10P	10	20,000	3,150	2,840	3000K	82	93318828	27009561	LED17B2G11/8SC
2G11	40	22.5	16648	88311228	F40/30BX/SPX35	10	20,000	3,150	2,840	3500K	82	93318828	27009561	LED17B2G11/8SC
2G11	40	22.5	16954	88312603	F40/30BX/SPX41	10	20,000	3,150	2,840	4100K	82	93318828	27009561	LED17B2G11/8SC
2G11	25	21.5	75400	25249982	F40/25BX835/IS/WM	10	20,000	2,600	2,400	3500K	82	93318828	27009561	LED17B2G11/8SC
2G11	55	20.7	31952	99660195	F55BX/835	25	20,000	4,800	4,080	3500K	82			
2G11	55	20.7	31953	99660196	F55BX/840	25	20,000	4,800	4,080	4100K	82			
2-Pin Double Biax [®]														
GX23-2	13	4.7	97586	25084478	F13DBX23/827/ECO	10	12,000	810	685	2700K	82	93312531	26696817	LED8BGX23-2-O/827
GX23-2	13	4.7	97588	25082747	F13DBX23/835/ECO	10	12,000	810	685	3500K	82	93312543	26696819	LED8BGX23-2-O/835
GX23-2	13	4.7	97589	25084481	F13DBX23/841/ECO	10	12,000	810	685	4100K	82	93312549	26696820	LED8BGX23-2-O/840
G24d-2	18	6.1	97577	25082751	F18DBX/827/ECO	10	12,000	1,250	980	2700K	82	Vertical: 93300088 Horizontal: 93300087	26613074 26613073	LED11BG24-V/8SC/120-347-4PK LED11BG24-H/8SC/120-347-4PK
G24d-2	18	6.1	97579	25082753	F18DBX/835/ECO	10	12,000	1,250	980	3500K	82	Vertical: 93300088 Horizontal: 93300087	26613074 26613073	LED11BG24-V/8SC/120-347-4PK LED11BG24-H/8SC/120-347-4PK
G24d-2	18	6.1	97580	25082754	F18DBX/841/ECO	10	12,000	1,250	980	4100K	82	Vertical: 93300088 Horizontal: 93300087	26613074 26613073	LED11BG24-V/8SC/120-347-4PK LED11BG24-H/8SC/120-347-4PK
G24d-3	26	6.7	97606	25082755	F26DBX/827/ECO	10	12,000	1,710	1,460	2700K	82	Vertical: 93300088 Horizontal: 93300087	26613074 26613073	LED11BG24-V/8SC/120-347-4PK LED11BG24-H/8SC/120-347-4PK
G24d-3	26	6.7	97608	25082699	F26DBX/835/ECO	10	12,000	1,710	1,460	3500K	82	Vertical: 93300088 Horizontal: 93300087	26613074 26613073	LED11BG24-V/8SC/120-347-4PK LED11BG24-H/8SC/120-347-4PK
G24d-3	26	6.7	97609	25082700	F26DBX/841/ECO	10	12,000	1,710	1,460	4100K	82	Vertical: 93300088 Horizontal: 93300087	26613074 26613073	LED11BG24-V/8SC/120-347-4PK LED11BG24-H/8SC/120-347-4PK
4-Pin Double Biax [®]														
G24q-1	13	5.0	97594	25082701	F13DBX/827/ECO4P	10	17,000	900	755	2700K	82	93300068	26609605	LED8BG24-O/827-4PK
G24q-1	13	5.0	97595	25082702	F13DBX/830/ECO4P	10	17,000	900	755	3000K	82	93300069	26609606	LED8BG24-O/830-4PK
G24q-1	13	5.0	97596	25082703	F13DBX/835/ECO4P	10	17,000	900	755	3500K	82	93300080	26609607	LED8BG24-O/835-4PK
G24q-1	13	5.0	97597	25082704	F13DBX/841/ECO4P	10	17,000	900	755	4100K	82	93300081	26609608	LED8BG24-O/840-4PK
G24q-2	18	5.8	97598	25084494	F18DBX/827/ECO4P	10	17,000	1,250	970	2700K	82	93300082	26609609	LED10BG24-O/827-4PK
G24q-2	18	5.8	97599	25082705	F18DBX/830/ECO4P	10	17,000	1,250	970	3000K	82	93300083	26609610	LED10BG24-O/830-4PK
G24q-2	18	5.8	97600	25082706	F18DBX/835/ECO4P	10	17,000	1,250	970	3500K	82	93300084	26609611	LED10BG24-O/835-4PK
G24q-2	18	5.8	97601	25082707	F18DBX/841/ECO4P	10	17,000	1,250	970	4100K	82	93300086	26609612	LED10BG24-O/840-4PK
G24q-3	26	6.4	97610	25084505	F26DBX/827/ECO4P	10	17,000	1,800	1,530	2700K	82	Vertical: 93300088 Horizontal: 93300087	26613074 26613073	LED11BG24-V/8SC/120-347-4PK LED11BG24-H/8SC/120-347-4PK
G24q-3	26	6.4	97611	25082708	F26DBX/830/ECO4P	10	17,000	1,800	1,530	3000K	82	Vertical: 93300088 Horizontal: 93300087	26613074 26613073	LED11BG24-V/8SC/120-347-4PK LED11BG24-H/8SC/120-347-4PK
G24q-3	26	6.4	97612	25079092	F26DBX/835/ECO4P	10	17,000	1,800	1,530	3500K	82	Vertical: 93300088 Horizontal: 93300087	26613074 26613073	LED11BG24-V/8SC/120-347-4PK LED11BG24-H/8SC/120-347-4PK
G24q-3	26	6.4	97613	25079093	F26DBX/841/ECO4P	10	17,000	1,800	1,530	4100K	82	Vertical: 93300088 Horizontal: 93300087	26613074 26613073	LED11BG24-V/8SC/120-347-4PK LED11BG24-H/8SC/120-347-4PK
4-Pin Triple Biax [®]														
GX24q-3	26	5.2	97614	25082714	F26TBX/827/A/ECO	10	17,000	1,800	1,530	2700K	82	Vertical: 93300088 Horizontal: 93300087	26613074 26613073	LED11BG24-V/8SC/120-347-4PK LED11BG24-H/8SC/120-347-4PK
GX24q-3	26	5.2	97615	25082715	F26TBX/830/A/ECO	10	17,000	1,800	1,530	3000K	82	Vertical: 93300088 Horizontal: 93300087	26613074 26613073	LED11BG24-V/8SC/120-347-4PK LED11BG24-H/8SC/120-347-4PK
GX24q-3	26	5.2	97616	25082716	F26TBX/835/A/ECO	10	17,000	1,800	1,530	3500K	82	Vertical: 93300088 Horizontal: 93300087	26613074 26613073	LED11BG24-V/8SC/120-347-4PK LED11BG24-H/8SC/120-347-4PK
GX24q-3	26	5.2	97617	25082717	F26TBX/841/A/ECO	10	17,000	1,800	1,530	4100K	82	Vertical: 93300088 Horizontal: 93300087	26613074 26613073	LED11BG24-V/8SC/120-347-4PK LED11BG24-H/8SC/120-347-4PK
GX24q-3	32	5.5	97629	25082718	F32TBX/827/A/ECO	10	17,000	2,400	2,040	2700K	82	Vertical: 93312489 Horizontal: 93312525	26696809 26696808	LED18BG24-V/8SC/120-347-4PK LED18BG24-H/8SC/120-347-4PK
GX24q-3	32	5.5	97630	25082719	F32TBX/830/A/ECO	10	17,000	2,400	2,040	3000K	82	Vertical: 93312489 Horizontal: 93312525	26696809 26696808	LED18BG24-V/8SC/120-347-4PK LED18BG24-H/8SC/120-347-4PK
GX24q-3	32	5.5	97631	25082720	F32TBX/835/A/ECO	10	17,000	2,400	2,040	3500K	82	Vertical: 93312489 Horizontal: 93312525	26696809 26696808	LED18BG24-V/8SC/120-347-4PK LED18BG24-H/8SC/120-347-4PK
GX24q-3	32	5.5	97632	25082721	F32TBX/841/A/ECO	10	17,000	2,400	2,040	4100K	82	Vertical: 93312489 Horizontal: 93312525	26696809 26696808	LED18BG24-V/8SC/120-347-4PK LED18BG24-H/8SC/120-347-4PK
GX24q-4	42	6.4	97633	25082722	F42TBX/827/A/ECO	10	17,000	3,200	2,690	2700K	82	Vertical: 93312489 Horizontal: 93312525	26696809 26696808	LED18BG24-V/8SC/120-347-4PK LED18BG24-H/8SC/120-347-4PK
GX24q-4	42	6.4	97634	25082723	F42TBX/830/A/ECO	10	17,000	3,200	2,690	3000K	82	Vertical: 93312489 Horizontal: 93312525	26696809 26696808	LED18BG24-V/8SC/120-347-4PK LED18BG24-H/8SC/120-347-4PK
GX24q-4	42	6.4	97635	25082724	F42TBX/835/A/ECO	10	17,000	3,200	2,690	3500K	82	Vertical: 93312489 Horizontal: 93312525	26696809 26696808	LED18BG24-V/8SC/120-347-4PK LED18BG24-H/8SC/120-347-4PK
GX24q-4	42	6.4	97636	25082725	F42TBX/841/A/ECO	10	17,000	3,200	2,690	4100K	82	Vertical: 93312489 Horizontal: 93312525	26696809 26696808	LED18BG24-V/8SC/120-347-4PK LED18BG24-H/8SC/120-347-4PK

¹ Minimum order quantity = Carton Qty

Halogen Lighting offers unmatched quality of white light in compact sizes.

Reference Guide | Bulb Identification



DIA. in.: Diameter of bulb at widest point.

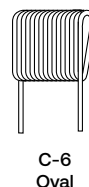
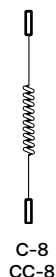
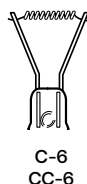
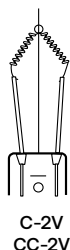
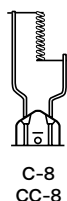
MOL in.: Maximum Overall Length including base or pins.

LCL in.: Distance between the center of the filament and the Light Center Length reference plane.

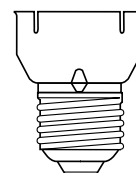
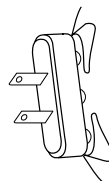
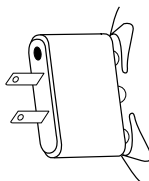
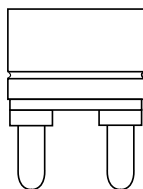
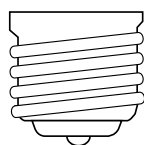
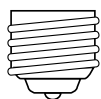
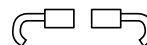
Note: Lamp drawings are not drawn to scale. Be sure to check size and dimension information when identifying each lamp.

To convert inches to millimeters, multiply the dimension (in inches) by 25.4 (i.e. 1.5" x 25.4 = 38.1 mm).

Filament Identification



Base Identification (not drawn to scale)



Halogen Lamps



Catalog Logic:

The following terms and descriptions can help you when checking Halogen lamp specifications and when ordering products. Within each product line, lamps are divided into families and listed by wattage.

Bulb Shape:

followed by its size (the maximum diameter of the bulb expressed in eighths of an inch).

Order Code:

Use the order code when ordering to ensure that you receive the exact product you require.

LCL (in):

Distance between the center of the filament and the Light Center Length reference plane, in inches.

Color Temperature – Kelvins (K):

A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value, the whiter or "cooler" the light appears.

Watts:

Energy used (as defined by FTC Lamp Label Rules). To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000.

Filament Design:

Filaments are designated by a letter combination in which C is coiled wire filament, CC is a coiled wire that is itself wound into a larger coil and SR is straight ribbon filament. Numbers represent the type of filament-support arrangement.

Rated Life (hours):

Life (as defined by FTC Lamp Label Rules) is rated life in hours.

CBCP (Center beam Candlepower):

For reflector-type lamps, Center Beam Candlepower is the intensity (candelas) at the center of maximum intensity of the beam. Used only for ConstantColor® CMH® Metal Halide Lamps

Base:

The type of base

Description:

Lamp Model Description

Carton Quantity:

Number of lamps packed in a carton

MOL (in):

Maximum Overall Length in inches

Initial Lumens:

Lamp light output after the initial 100 hours of operation.

Additional Information:

Typical application and/or other important information.

Bulb Shape	Base Type	Watts	Order Code	Description	Volts	Carton Qty	Filament Design	MOL (in)	LCL (in)	Rated Life (hrs*)	Lumens Initial	Color Temp.	CBCP	Additional Information
PAR36	Scrw Term	35	19877	35PAR36/H/FL30	12	12	C-6	2.75		4,000	250	3050K	900	Floodlight

35PAR36/H/FL30

Identifies as lamp's wattage

Identifies the lamp shape and the bulb diameter in eighths of inches

Identifies the lamp type (Halogen)

Beam Angle (30 = 30 degrees)

Identifies beam angle type (Flood or Spot), code may also include base type or packaging information



Specialty Lamps

Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Carton Qty ¹	Filament Design	MOL (In)	LCL (In)	Rated Life (hrs*)	Lumens Initial	Color Temp.	CBCP	Additional Information
Compact PAR36															
PAR36	Scrw Term	35	19877	92042245	35PAR36/H/FL30	12	12	C-6	2.75		4,000	250	3050K	900	Floodlight
Standard MR11															
MR11	2-Pin G4	20	30773	93145843	Q20MR11/NFL30	12	10	C-6	1.38		3,500		2900K	600	Soft White
Halogen G9															
T4	G9	25	16754	25119788	Q25G9/CD	120	5	CC-8	1.77	1.26	3,000	240	6250K		Carded
Halogen Double Contact Bayonet (BA15d)															
T4	BA15d	100	15508	88112313	Q100CL/DC	120	6	CC-8	2.44	1.38	2,000	1,600	2950K		Clear
	BA15d	150	43693	88112327	Q150CL/DC	120	6	CC-8	2.50	1.38	2,000	2,800	2950K		Clear
	BA15d	250	43697	88112347	Q250CL/DC	120	6	CC-8	3.00	1.63	2,000	5,000	2950K		Clear
Halogen Recessed Single Contact (R7s)															
T3	R7s	100	22489	93145782	Q100T3/CL/CD 5PK	210	60	C-8	3.13	1.25	1,500	1,650	2950K		Clear, Horizontal, Carded
	R7s	150	19378	89089394	Q150T3/CL/CD 5PK	120	60	C-8	3.13	1.25	1,500	2,400	2950K		Clear, Horizontal, Carded
T2.5	R7s	300	43703	88321463	Q300T3/CL-6PK	120	144	C-8	4.69	2.25	2,000	5,950	2950K		Clear, Horizontal
	R7s	500	23731	88112497	Q500T3/CL	120	12	C-8	4.69	2.25	2,000	11,100	3000K		Clear, Horizontal
	R7s	500	23733	88112498	Q500T3/CL	130/120	12	C-8	4.69	2.25	2,000	10,550	3000K		Clear, Horizontal
Halogen Miniature Candelabra Screw (E11)															
T4	Mini-Cand	100	15507	88112315	Q100CL/MC	120	6	CC-8	2.81	1.38	2,000	1,600	2950K		Clear
T4	Mini-Cand	150	43694	88112329	Q150CL/MC	120	6	CC-8	3.00	1.38	2,000	2,800	2950K		Clear
	Mini-Cand	250	43699	88112349	Q250CL/MC	120	6	CC-8	3.16	1.63	2,000	5,000	2950K		Clear
	Mini-Cand	250	43700	88112350	Q250CL/MC	130/120	6	CC-8	3.16	1.63	2,000	5,000	2950K		Clear

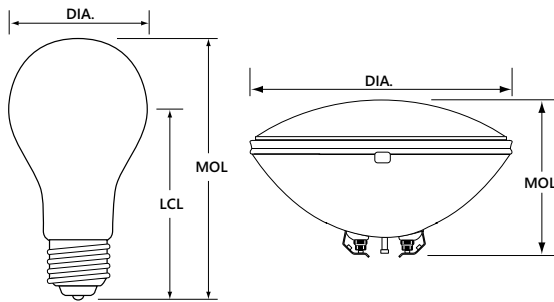
¹ Minimum order quantity = Carton Qty

Incandescent Lamps



Incandescent Lighting is the familiar, dependable light source you've known for decades.

Reference Guide | Bulb Identification



DIA: Diameter of bulb at widest point.

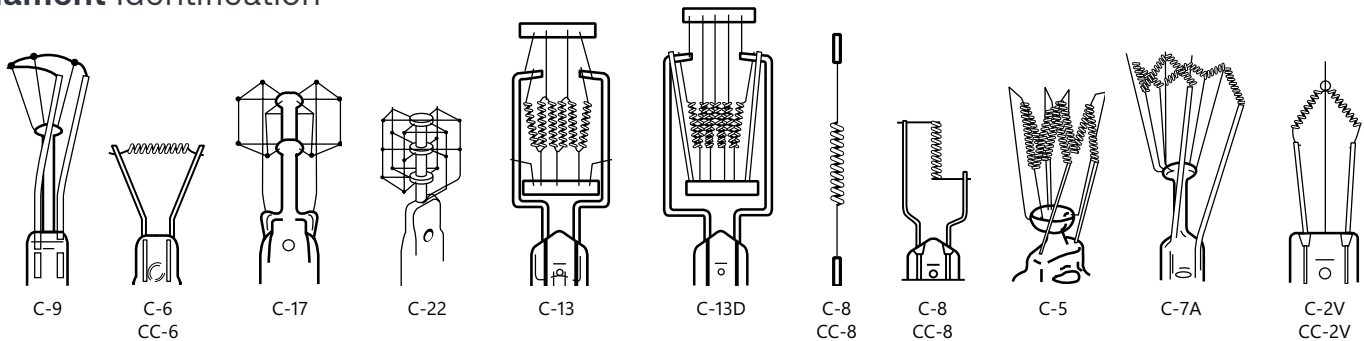
MOL: Maximum Overall Length including base or pins.

LCL: Distance between the center of the arc tube and the Light Center Length reference plane.

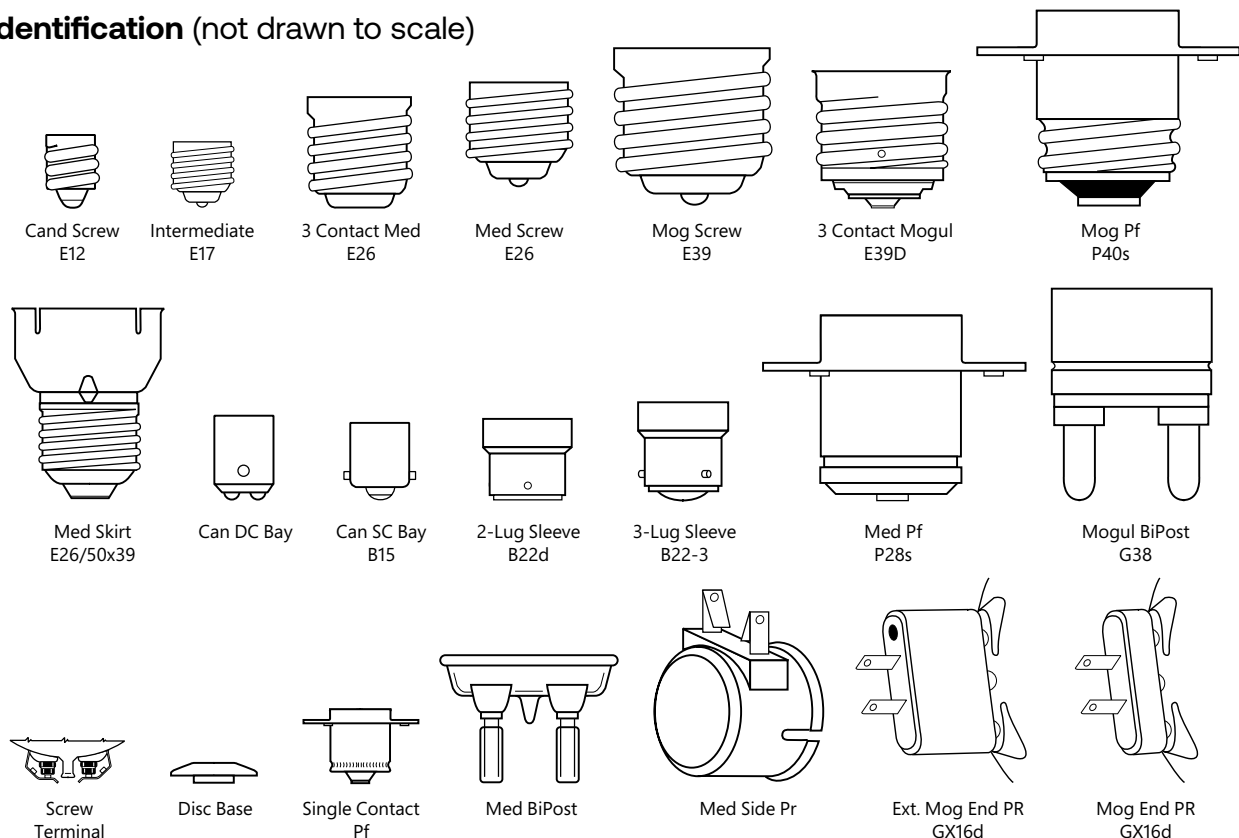
Note: Lamp drawings are not drawn to scale. Be sure to check size and dimension information when identifying each lamp.

To convert inches to millimeters, multiply the dimension (in inches) by 25.4 (i.e. 1.5" x 25.4 = 38.1 mm).

Filament Identification



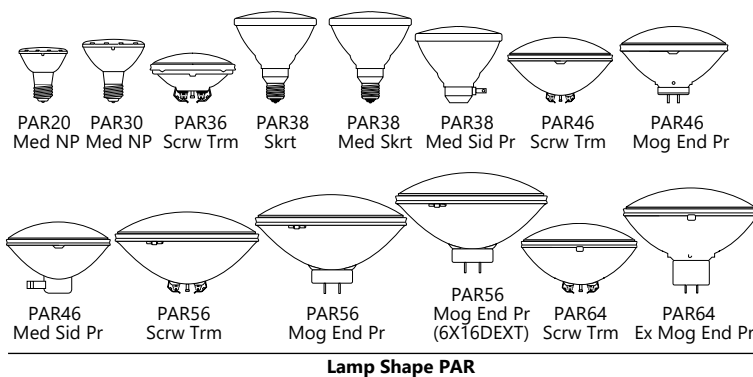
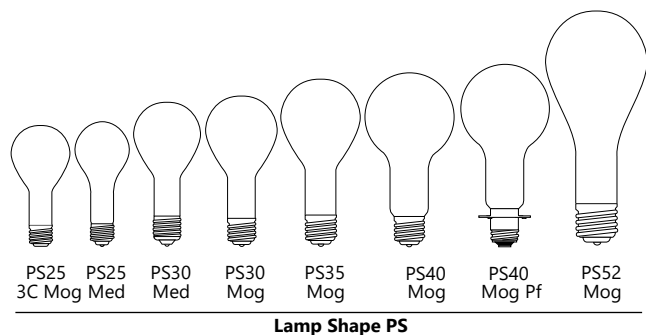
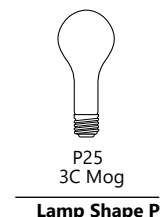
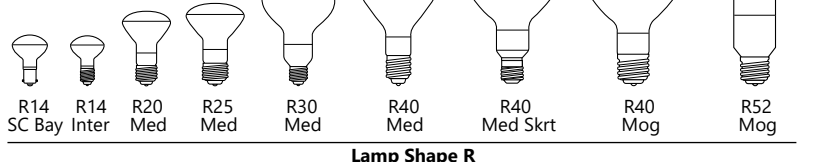
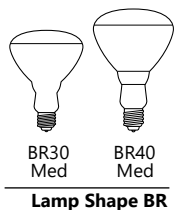
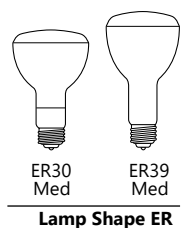
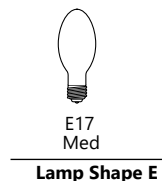
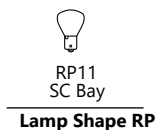
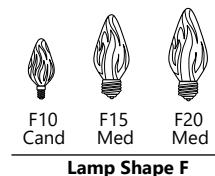
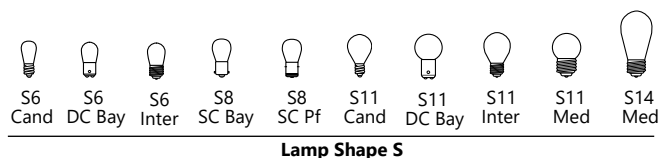
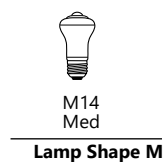
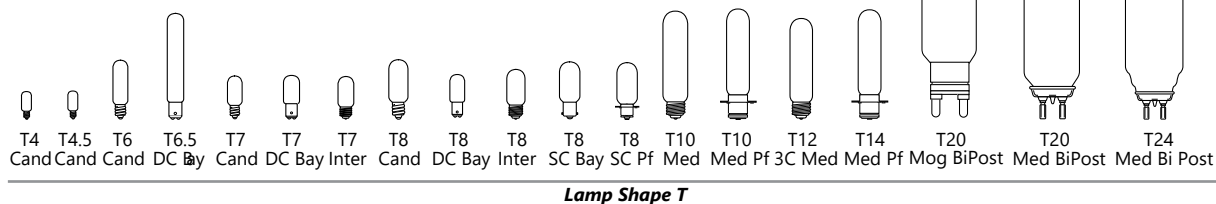
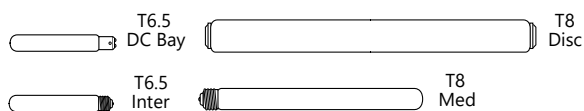
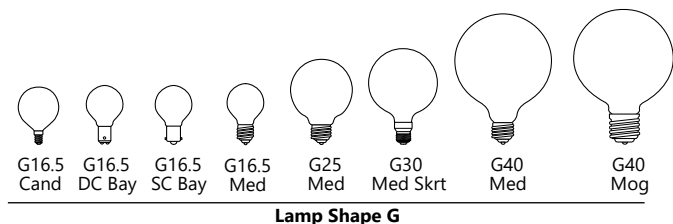
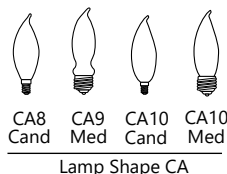
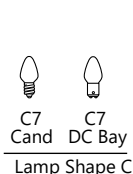
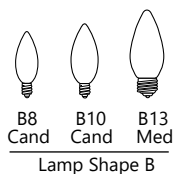
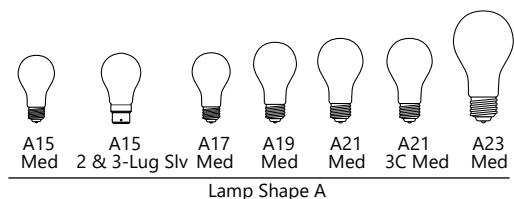
Base Identification (not drawn to scale)



Incandescent Lamps



Lamp Drawings (not drawn to scale)



Incandescent Lamps



Catalog Logic:

The following terms and descriptions can help you when checking Incandescent lamp specifications and when ordering products. Within this product line, lamps are listed by wattage.

Bulb Shape: followed by its size (the maximum diameter of the bulb expressed in eighths of an inch). Watts: Energy used (as defined by FTC Lamp Label Rules). To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000. Base: The type of base Order Code: Use the order code when ordering to ensure that you receive the exact product you require. Description: Lamp Model Description Filament Design: Filaments are designated by a letter combination in which C is coiled wire filament, CC is a coiled wire that is itself wound into a larger coil and SR is straight ribbon filament. Numbers represent the type of filament-support arrangement. Carton Quantity: Number of lamps packed in a carton Volts: Lamp data is based on operation at rated voltage MOL (in): Maximum Overall Length in inches LCL (in) Color Temperature – Kelvins (K): A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value, the winter or "cooler" the light appears. Rated Life (hours): Life (as defined by FTC Lamp Label Rules) is rated life in hours. Initial Lumens: Lamp light output after the initial 100 hours of operation. Additional Information: Typical application and/or other important information. CBCP (Center beam Candlepower): For reflector-type lamps, Center Beam Candlepower is the intensity (candelas) at the center of maximum intensity of the beam. Used only for ConstantColor® CMH® Metal Halide Lamps LED Replacement: Current offers a wide range of LED replacement lamps. The LED lamp models are provided as general guidance. Often, there will be more than one LED Lamp that may be used to replace a Traditional lamp. For Traditional lamps that operated off a ballast, the ballast bypass (UL Type B) LED option is given unless otherwise noted. The application should be considered when selecting an LED replacement lamp. Sometimes, Traditional lamps do not have a suitable LED replacement due to special application considerations, such as very high heat. Contact Current for additional guidance if the appropriate LED solution is unclear.																
														LED Replacement		
Bulb Shape	Base Type	Watts	Order Code	Description	Volts	Carton Qty	Filament Design	MOL (in)	LCL (in)	Rated Life (hrs*)	Lumens Initial	Color Temp	CBCP	Additional Information	Order Code	Description
3-8 Watts																
S6	Cand	3	11098	3S6/5 24PK	130	24	C-7A	1.87	1.37	3,000	11			Clear-Indicator		

15A/W-2PK

Identifies as lamp's wattage

Identifies the lamp shape and the bulb diameter in eighths of inches

Finish (CL = Clear, W = White)

2PK = Inner carton of 2 lamps (Smallest unit of sale downstream)



Incandescent Lamps

Incandescent Lamps															LED Replacement			
Bulb Shape	Base Type	Watts	Order Code	GBID	Description	Volts	Car-ton Qty¹	Filament Design	MOL (In)	LCL (In)	Rated Life (hrs*)	Lumens Initial	Color Temp	CBCP	Additional Information	Order Code	GBID	Description
3-8 Watts																		
S6	Cand	3	11098	88111096	3S6/5 24PK	130	24	C-7A	1.87	1.37	3,000	11			Clear-Indicator			
	Cand	6	11374	88111428	6S6 155	155	240	C-7A	1.87	1.37	1,500	38			Clear-Indicator			
T4.5	Cand	6	11764	88111454	6T41/2/1	130	100	C-7A	1.87	1.31	1,500	42			Clear-Indicator			
15 Watts																		
A15	Med	15	97491	2508870115A/W-2PK		120	24	C-9	3.50	2.37	2,500	110			Soft-White	93142810	26565394	LED4DFA15-W-2PK
S11	DC Bay	15	13188	88110773	15S11/3DC	75	120	C-9	2.37	1.25	1,000	138			Clear-Train			
T6	Cand	15	13402	88110781	15T6	145	60	C-7A	3.06	1.56	1,500	102			Clear-Exit			
T7	Cand	15	13494	88110782	15T7C	120	120	C-7A	2.25	1.50	3,000	108			Clear-Appliance			
18 Watts																		
S11	BA15s	18	13655	88110799	18S11/1SC	10	120	CC-6	2.37	1.25	2,000	200			Clear-Railway			
20 Watts																		
T6.5	DC Bay	20	34241	88110866	20T61/2DC/F	120	60	C-8	5.56		5,000	90			Frost-Exit Light			
T6.5	Inter	20	34272	88110865	20T61/2/F	120	60	C-8	5.50		7,000	90			Frost-Exit Light			
25 Watts																		
T7	DC Bay	25	14741	88111018	25T7DC	120	60	C-7A	2.25	1.31	1,000	195			Clear-Appliance			
T7	Inter	25	14791	88111021	25T7N	120	60	C-7A	2.25	1.56	1,000	195			Clear-Appliance			
T10	Med	25	14880	88110996	25T10 24PK	120	192	C-8	5.60		1,000	250			Clear-Display Light			
B10	Med	25	22756	93145766	25BM CD2	120	60	C-7A	4.62		1,500	170	2500K		Clear, Blunt Tip	93142811	-	LED4DFBM-C-2PK
CA10	Cand	25	40045	88110945	25CAC/L	120	120	CC-2V	4.12		4,000	210	2500K		Clear, Bent Tip	93142792	26584002	LED3DFCAC-C-2PK
40 Watts																		
A15	Med	40	15206	88111126	40A15 CARD 12PK	120	60	C-9	3.50	2.37	1,500	415	2600K		Clear-Oven Light	93142809	26572221	LED4DFA15-C-2PK
50 Watts																		
A19	Med	50	16201	88111296	50A19/RS/SH	75	120	C-9	3.87	2.50	1,000	500			Train/Rough Service			
200 Watts																		
A21	Med	200	16069	88110836	200A/CL-1 12PK	120	12	CC-8	5.37	4.06	750	3,780	2900K		Crystal	93309226	26690820	LED23A21/827
PAR56	Scrw Term	200	20122	88110844	200PAR	30	12	CC-8	4.50		350		230,000		Locomotive			
250 Watts																		
R40	Med	250	37770	88110883	250R40/1 6PK	120	30	C-9	6.56		5,000	2,200			Heat Lamp			
300 Watts																		
PS25	Med	300 / 266	73788	25201073	300M/130V-PK6	130/120	6	CC-8	6.93	4.92	750 / 1,950	6,120 / 4,650			Clear	93303384	26613067	LED/LC/ED17/7SC
PS35	Mog Screw	300	21025	88111031	300	130	24	C-9	9.37	7.00	1,000	5,820			Clear	93303384	26613067	LED/LC/ED17/7SC
	Mog Screw	300	21079	88111039	300/IF	130	24	C-9	9.37	7.00	1,000	5,820			Inside Frost	93303384	26613067	LED/LC/ED17/7SC
	Mog Screw	300	20849	88111062	300PAR56/WFL	120	12	CC-13	5		2,000	3,840	2750K	11,000	Wide Flood			
350 Watts																		
PAR56	Scrw Term	350	19866	90045507	350PAR56/SP	75	12	CC-8	4.50		500	6,200			Locomotive			
375 Watts																		
R40	Med Skirt	375	21334	88111090	375R40/1	115	24	C-9	7.50		5,000	2,700		1,170	Infrared Reflector			

¹ Minimum order quantity = Carton Qty



Ballasts



Understanding Fluorescent Ballasts

GE introduced the first fluorescent ballast more than 70 years ago. Today, Current is providing high-frequency electronic GE Lamp ballasts for almost every fluorescent application.

With our UltraMax® and UltraStart® ballasts, we are bringing you the future in ballast performance.

Current's UltraMax® instant-start and UltraStart® programmed start electronic ballasts transform the power of light into efficiency and savings from store shelves to the installation site. The foundation of the "Ultra" family of ballasts starts with its high efficiency ratings. High efficiency ballasts are a minimum of 90% efficiency with some ballasts nearly 95% efficient which means the ballast only consumes 5-10% of the total system power. These high efficiency ballasts exceed minimum high efficiency standards as established by almost all energy advocate groups, utility rebate programs and the NEMA Premium® ballast program. The ballasts are marked with the Ultra brand as well as the NEMA Premium® ballast mark. These ballasts have multi-voltage control (MVC), which automatically adjusts to handle voltage from 120V through 277V. That cuts the ballast models you need to stock from 40 down to 13, which can dramatically reduce inventory carrying costs. UltraMax® ballasts have ArcGuard Protection, too, with a UL Type CC Anti-Arc Rating. Plus, they're ultra-lamp-friendly, with a low lamp current crest factor of 1.4 for optimal lamp performance. Both UltraMax® and UltraStart® have anti-striation control for better light quality with no lamp striations (spiraling). And the small, low-profile design of these ballasts makes retrofits effortless at the job site. Also unique to our programmed start UltraStart® ballasts is parallel lamp operation which means that if one lamp fails the others remain on and quick starting times of less than 700 milliseconds which is necessary in avoiding delays with automatic sensors.

Fluorescent Ballast Types

Electronic Instant Start

The most common fluorescent ballast is the instant start and is used typically in long 3 to 10-hour lamp cycle applications. These ballasts are energy efficient and can deliver 20% to 40% energy savings when installed with energy-efficient lamps in building retrofits. These ballasts deliver >550 open circuit volts when starting lamps and operate lamps at high frequencies which offers flicker-free operation and better lamp efficiencies. The ballasts are significantly quieter than conventional magnetic ballasts and are backed by Current Lighting's system 5-year ballast limited warranty and extended lamp warranties.

UltraMax® Professional Series

A family of high-efficiency T8 instant-start electronic linear fluorescent ballasts designed to optimize T8 lamps for optimal system energy savings. UltraMax® ballasts have a low lamp current crest factor and virtually "read" and adapt to incoming voltage from 108V to 305V. Other features include UL Type CC Anti-Arc Rating and anti-striation control to eliminate lamp striations and spiraling. These ballasts are offered in ballast factors: low wattage (.77), normal light (.87), normal-high (N+) (1.0) and high (>1.15).

UltraMax® General Series

Offered in dedicated or multi-volt (120-277V), these high performance T8 instant-start ballasts also meet minimum efficiency requirements as established with the NEMA Premium® ballast program. These ballasts are offered in ballast factors: low wattage (.77), normal light (.87) and high (>1.15).



Programmed Start

Programmed Start electronic ballasts have a lamp starting method that preheats lamp filaments before applying an open circuit voltage (OCV) to start the lamp. Use Programmed Start ballasts to ensure long lamp life when turning lamps on and off more than five times in a day or in conjunction with any automatic light control or sensor. This type of starting circuit keeps lamp-end blackening to a minimum and improves lamp life performance, especially in applications where the lamps are frequently switched on and off.

UltraStart®

UltraStart® is a family of high-efficiency Programmed Start electronic linear fluorescent ballasts that also exceed NEMA Premium® ballast efficiency requirements but are designed to optimize T8 lamps in frequently switched applications. Instant start ballasts provide 7,000–13,000 starts before 50% lamp failure. UltraStart® provides greater than 100,000 starts before 50% lamp failure. UltraStart® ballasts provide the same energy savings and convenience of instant start ballasts but with the longer lamp life offered a programmed start ballast. These ballasts are offered in ballast factors: programmed start x-low wattage (XL) (.60), low wattage (.71), normal light (.87) and high (>1.15).



Ballast Date Codes

Date Code

Electronic ballast manufacturing date codes are located on the upper right-hand corner of the label. The code lists the month, year and day of manufacture. A typical code is C16-073, where the month is listed as A (January), B (February), C (March) as in this code followed by the year 16 (2016) and the date of manufacture 073 (the 73rd day of 2016).

Ballast Life

Electronic ballasts are designed and manufactured to an average life expectancy of 60,000 hours of operation at maximum rated case temperatures. As a rule of thumb, ballast life is doubled for every 10C reduction in ballast case temperature. However there are other variables such as transients, voltage sags and swells, ambient temperature, etc., which affect ballast life as well.

Instant Start vs. Rapid Start Sockets

When using programmed start or dimming ballasts in fixtures, sockets must be 2-pin rapid start type. Fixtures with T8 instant start ballasts must use jumpered rapid start sockets or shunted lamp holders (internal to the lamp holder) that bridge the lamp bi-pins together into one contact on each side of the lamp. If retrofitting from a instant start ballast fixture with shunted sockets to a dimming or programmed start ballast, rapid start type sockets must be used to properly start lamps and maintain rated lamp life.



73190 – GE232MAXP-H/ULTRA

UltraMax® P-Series Instant Start

Multi-Voltage High-Efficiency

2 or 1 – F32T8 120 to 277 "H" 1.18 BF UltraMax® P

- T8 Instant Start Ballasts For F17 (2ft), F25 (3ft), F32 (4ft), F40 (5ft) Lamps
- Energy-saving high-efficiency instant-start electronic ballast (>90%)
- Multi-voltage technology handles voltage from 120 to 277V
- UL Type CC Rating provides protection against arcing in electrical devices
- Anti-striation control for better light quality
- UL 55°C Ambient Temperature rating
- Cold temperature -22°F Minimum Starting Temperature

Order Code	GBID
73190	25275631
General Characteristics	
Ballast Type	Electronic – High-Efficiency Multivolt Instant Start
Starting Method	Instant Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	55°C (131°F)
Case Temperature (MAX)	90°C (194°F)
Ballast Factor	High
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Anti-striation control, Auto-restart, Inherently Thermally Protected, UL Class P
Electrical Characteristics	
Supply Current Frequency	50 Hz/60 Hz

Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.3 in (33 mm)
Height (H)	1.0 in (25.4 mm)
Mounting Dimensions	
Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	0.87 in (22 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	0.7 lbs
Exit Type	Side
Remote Mounting Distance to Lamp (F32T8)	18 ft
Remote Mounting Wire Gauge	18 AWG
Lead Lengths	
Black	25 in (635 mm)
White	25 in (635 mm)
Blue	31 in (787 mm)
Red	37 in (940 mm)

Specifications and lamp wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F32T8	2	120	74	0.62	1.19	1.61	99	1.5	10	-22/-30
	2	277	73	0.26	1.19	1.63	98	1.5	10	-22/-30
	1	120	47	0.40	1.38	2.94	99	1.5	10	-22/-30
	1	277	46	0.18	1.38	3.00	96	1.5	20	-22/-30
F32T8/WM	2	120	70	0.59	1.16	1.66	99	1.5	10	-22/-30
	2	277	69	0.26	1.16	1.68	98	1.5	10	-22/-30
	1	120	43	0.37	1.37	3.19	99	1.5	10	-22/-30
	1	277	43	0.17	1.37	3.19	95	1.5	15	-22/-30
F28T8	2	120	65	0.55	1.14	1.75	99	1.5	10	-22/-30
	2	277	64	0.24	1.14	1.78	97	1.5	10	-22/-30
	1	120	40	0.34	1.34	3.35	99	1.5	10	-22/-30
	1	277	41	0.16	1.34	3.27	94	1.5	20	-22/-30
F32T8/25W	2	120	60	0.51	1.16	1.93	99	1.5	10	-22/-30
	2	277	60	0.22	1.16	1.93	97	1.5	15	-22/-30
	1	120	38	0.32	1.37	3.60	99	1.5	15	-22/-30
	1	277	38	0.15	1.37	3.60	94	1.5	20	-22/-30
F25T8	2	120	62	0.52	1.17	1.87	99	1.5	10	-22/-30
	2	277	61	0.22	1.17	1.90	97	1.5	15	-22/-30
	1	120	38	0.32	1.37	3.61	99	1.5	15	-22/-30
	1	277	38	0.15	1.37	3.61	94	1.5	20	-22/-30
F17T8	2	120	41	0.36	1.02	2.85	99	1.5	10	-22/-30
	2	277	41	0.17	1.02	2.85	95	1.5	20	-22/-30
	1	120	26	0.23	1.21	5.27	99	1.5	15	-22/-30
	1	277	27	0.12	1.21	5.07	90	1.5	20	-22/-30
FE15T8	2	120	32	0.29	1.02	3.19	99	1.5	15	-22/-30
	2	277	33	0.14	1.02	3.09	93	1.5	20	-22/-30
	1	120	23	0.19	1.21	5.26	98	1.5	15	-22/-30
	1	277	22	0.10	1.21	5.50	87	1.5	20	-22/-30
F40T8	1	120	56	0.46	.66	1.18	99	1.5	10	-22/-30
	1	277	55	0.21	.66	1.20	94	1.5	15	-22/-30
F25T12	2	120	64	0.54	1.11	1.73	99	1.5	10	0/-18
	2	277	63	0.24	1.11	1.76	97	1.5	10	0/-18
	1	120	40	0.35	1.36	3.40	99	1.5	10	0/-18
	1	277	40	0.16	1.36	3.40	94	1.5	15	0/-18

Safety and Performance





72266 – GE232MAXP-N/ULTRA

UltraMax® P-Series Instant Start

Multi-Voltage High-Efficiency

2 or 1 – F32T8 120 to 277 "N" .87 BF UltraMax® P

- T8 Instant Start Ballasts For F17 (2ft), F25 (3ft), F32 (4ft), F40 (5ft) Lamps
- Energy-saving high-efficiency instant-start electronic ballast (>90%)
- Multi-voltage technology handles voltage from 120 to 277V
- UL Type CC Rating provides protection against arcing in electrical devices
- Anti-striation control for better light quality
- UL 55°C Ambient Temperature rating
- Cold temperature -22°F Minimum Starting Temperature

Order Code	GBID
72266	25187725

General Characteristics	
Ballast Type	Electronic – High-Efficiency Multivolt Instant Start
Starting Method	Instant Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	55°C (131°F)
Case Temperature (MAX)	70°C (158°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Anti-striation control, Auto-restart, Inherently Thermally Protected, UL Class P

Electrical Characteristics	
Supply Current Frequency	50 Hz/60 Hz

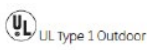
Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.3 in (33 mm)
Height (H)	1.0 in (25.4 mm)

Mounting Dimensions	
Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	0.87 in (22 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	0.7 lbs
Exit Type	Side
Remote Mounting Distance to Lamp (F32T8)	18 ft
Remote Mounting Wire Gauge	18 AWG

Lead Lengths	
Black	25 in (635 mm)
White	25 in (635 mm)
Blue	31 in (787 mm)
Red	37 in (940 mm)

Specifications and lamp wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F32T8	2	120	54	0.47	.88	1.63	99	1.5	10	-22/-30
	2	277	53	0.20	.88	1.66	98	1.5	10	-22/-30
	1	120	31	0.26	1.08	3.48	99	1.5	10	-22/-30
	1	277	31	0.12	1.08	3.48	96	1.5	10	-22/-30
F32T8/WM	2	120	52	0.44	.87	1.67	99	1.5	10	-22/-30
	2	277	51	0.19	.87	1.71	98	1.5	10	-22/-30
	1	120	29	0.25	1.07	3.69	99	1.5	10	-22/-30
	1	277	29	0.12	1.07	3.69	96	1.5	10	-22/-30
F28T8	2	120	48	0.40	.85	1.77	99	1.5	10	-22/-30
	2	277	47	0.17	.85	1.81	98	1.5	10	-22/-30
	1	120	27	0.24	1.05	3.89	99	1.5	10	-22/-30
	1	277	27	0.11	1.05	3.89	95	1.5	10	-22/-30
F32T8/25W	2	120	44	0.37	.87	1.98	99	1.5	10	-22/-30
	2	277	43	0.16	.87	2.02	98	1.5	10	-22/-30
	1	120	25	0.23	.87	3.48	99	1.5	10	-22/-30
	1	277	25	0.10	.87	3.48	94	1.5	10	-22/-30
F25T8	2	120	44	0.38	.87	1.98	99	1.5	10	-22/-30
	2	277	44	0.16	.87	1.98	98	1.5	10	-22/-30
	1	120	26	0.23	1.09	4.19	99	1.5	10	-22/-30
	1	277	26	0.11	1.09	4.19	94	1.5	10	-22/-30
F17T8	2	120	31	0.27	.88	2.84	99	1.5	10	-22/-30
	2	277	31	0.12	.88	2.84	96	1.5	10	-22/-30
	1	120	19	0.17	1.09	5.74	99	1.5	10	-22/-30
	1	277	19	0.08	1.09	5.74	90	1.5	20	-22/-30
FE15T8	2	120	25	0.21	.91	3.64	99	1.5	10	-22/-30
	2	277	25	0.10	.91	3.64	93	1.5	15	-22/-30
	1	120	16	0.14	.91	5.69	98	1.5	10	-22/-30
	1	277	16	0.07	.91	5.69	88	1.5	15	-22/-30
F25T12	2	120	46	0.39	.93	2.02	99	1.5	10	0/-18
	2	277	46	0.17	.93	2.02	98	1.5	10	0/-18
	1	120	27	0.24	.93	3.44	99	1.5	10	0/-18
	1	277	27	0.11	.93	3.44	95	1.5	10	0/-18

Safety and Performance



FCC – CLASS A Non-Consumer



72262 – GE232MAXP-L/ULTRA

UltraMax® P-Series Instant Start

Multi-Voltage High-Efficiency

2 or 1 – F32T8 120 to 277 "L" .77 BF UltraMax® P

- T8 Instant Start Ballasts For F17 (2ft), F25 (3ft), F32 (4ft), F40 (5ft) Lamps
- Energy-saving high-efficiency instant-start electronic ballast (>90%)
- Multi-voltage technology handles voltage from 120 to 277V
- UL Type CC Rating provides protection against arcing in electrical devices
- Anti-striation control for better light quality
- UL 55°C Ambient Temperature rating
- Cold temperature -22°F Minimum Starting Temperature

Order Code	GBID
72262	25187724

General Characteristics	
Ballast Type	Electronic – High-Efficiency Multivolt Instant Start
Starting Method	Instant Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	55°C (131°F)
Case Temperature (MAX)	70°C (158°F)
Ballast Factor	Low
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Anti-striation control, Auto-restart, Inherently Thermally Protected, UL Class P

Electrical Characteristics	
Supply Current Frequency	50 Hz/60 Hz

Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.3 in (33 mm)
Height (H)	1.0 in (25.4 mm)

Mounting Dimensions	
Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	0.87 in (22 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	0.7 lbs
Exit Type	Side
Remote Mounting Distance to Lamp (F32T8)	18 ft
Remote Mounting Wire Gauge	18 AWG

Lead Lengths	
Black	25 in (635 mm)
White	25 in (635 mm)
Blue	31 in (787 mm)
Red	37 in (940 mm)

Specifications and lamp wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F32T8	2	120	48	0.42	.78	1.63	99	1.5	10	-22/-30
	2	277	48	0.19	.78	1.63	98	1.5	10	-22/-30
	1	120	30	0.24	.96	3.20	99	1.5	10	-22/-30
	1	277	30	0.11	.96	3.20	95	1.5	10	-22/-30
F32T8/WM	2	120	46	0.39	.77	1.67	99	1.5	10	-22/-30
	2	277	46	0.17	.77	1.67	98	1.5	10	-22/-30
	1	120	28	0.22	.77	2.75	99	1.5	10	-22/-30
	1	277	28	0.11	.77	2.75	94	1.5	10	-22/-30
F28T8	2	120	43	0.36	.77	1.79	99	1.5	10	-22/-30
	2	277	42	0.16	.77	1.83	97	1.5	10	-22/-30
	1	120	26	0.21	.77	2.96	99	1.5	10	-22/-30
	1	277	26	0.10	.77	2.96	94	1.5	10	-22/-30
F32T8/25W	2	120	39	0.33	.78	2.00	99	1.5	10	-22/-30
	2	277	39	0.15	.78	2.00	96	1.5	10	-22/-30
	1	120	22	0.18	.78	3.55	98	1.5	10	-22/-30
	1	277	22	0.09	.78	3.55	93	1.5	10	-22/-30
F25T8	2	120	40	0.34	.78	1.95	99	1.5	10	-22/-30
	2	277	40	0.15	.78	1.95	96	1.5	10	-22/-30
	1	120	23	0.21	.96	4.17	99	1.5	10	-22/-30
	1	277	24	0.10	.96	4.00	93	1.5	15	-22/-30
F17T8	2	120	28	0.24	.79	2.82	99	1.5	10	-22/-30
	2	277	29	0.11	.79	2.72	94	1.5	10	-22/-30
	1	120	17	0.18	.98	5.76	99	1.5	10	-22/-30
	1	277	18	0.08	.98	5.44	90	1.5	10	-22/-30
FE15T8	2	120	23	0.20	.78	3.39	99	1.5	10	-22/-30
	2	277	23	0.10	.78	3.39	91	1.5	15	-22/-30
	1	120	14	0.13	.78	5.57	99	1.5	10	-22/-30
	1	277	15	0.07	.78	5.20	87	1.5	10	-22/-30
F25T12	2	120	42	0.35	.80	1.90	99	1.5	10	0/-18
	2	277	41	0.15	.80	1.95	97	1.5	10	0/-18
	1	120	24	0.21	.80	3.33	99	1.5	10	0/-18
	1	277	24	0.10	.80	3.33	95	1.5	10	0/-18

Safety and Performance



Linear Fluorescent Ballasts



71723 – GE432MAXP-H/ULTRA

UltraMax® P-Series Instant Start

Multi-Voltage High-Efficiency

4 or 3 – F32T8 120 to 277 "H" 1.18 BF UltraMax® P

- T8 Instant Start Ballasts For F17 (2ft), F25 (3ft), F32 (4ft), F40 (5ft) Lamps
- Energy-saving high-efficiency instant-start electronic ballast (>90%)
- Multi-voltage technology handles voltage from 120 to 277V
- UL Type CC Rating provides protection against arcing in electrical devices
- Anti-striation control for better light quality
- UL 55°C Ambient Temperature rating
- Cold temperature -22°F Minimum Starting Temperature

Order Code	GBID
71723	25187732

General Characteristics	
Ballast Type	Electronic – High-Efficiency Multivolt Instant Start
Starting Method	Instant Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	55°C (131°F)
Case Temperature (MAX)	90°C (194°F)
Ballast Factor	High
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Anti-striation control, Auto-restart, Inherently Thermally Protected, UL Class P

Electrical Characteristics	
Supply Current Frequency	50 Hz/60 Hz

Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.7 in (43 mm)
Height (H)	1.18 in (30 mm)

Mounting Dimensions	
Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	1.05 in (27 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	1.4 lbs
Exit Type	Side
Remote Mounting Distance to Lamp (F32T8)	18 ft
Remote Mounting Wire Gauge	18 AWG

Lead Lengths	
Black	25 in (635 mm)
White	25 in (635 mm)
Blue	31 in (787 mm)
Red	39 in (991 mm)

Specifications and lamp wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F32T8	4	120	148	1.30	1.18	.80	99	1.4	10	-22/-30
	4	277	146	0.55	1.18	.81	98	1.4	10	-22/-30
	3	120	119	1.07	1.28	1.08	99	1.4	10	-22/-30
	3	277	117	0.46	1.28	1.09	97	1.4	15	-22/-30
F32T8/WM	4	120	139	1.21	1.18	.85	99	1.4	10	50/10
	4	277	136	0.51	1.18	.87	97	1.4	10	50/10
	3	120	113	0.99	1.25	1.11	99	1.4	10	50/10
	3	277	112	0.41	1.25	1.12	97	1.4	16	50/10
F28T8	4	120	127	1.10	1.18	.93	99	1.4	10	50/10
	4	277	125	0.48	1.18	.94	98	1.4	10	50/10
	3	120	105	0.91	1.24	1.18	99	1.4	10	50/10
	3	277	102	0.40	1.24	1.22	97	1.4	16	50/10
F32T8/25W	4	120	120	1.06	1.18	.98	99	1.4	10	60/16
	4	277	116	0.45	1.18	1.02	98	1.4	10	60/16
	3	120	99	0.88	1.24	1.25	99	1.4	10	60/16
	3	277	95	0.38	1.24	1.31	97	1.4	10	60/16
F25T8	4	120	119	0.45	1.16	.97	97	1.4	10	-22/-30
	4	277	121	1.06	1.16	.96	99	1.4	10	-22/-30
	3	120	101	0.87	1.27	1.26	99	1.4	10	-22/-30
	3	277	100	0.38	1.27	1.27	96	1.4	17	-22/-30
F17T8	4	120	79	0.62	1.16	1.47	99	1.4	10	-22/-30
	4	277	78	0.31	1.16	1.49	96	1.4	10	-22/-30
	3	120	62	0.57	1.25	2.02	99	1.4	10	-22/-30
	3	277	62	0.27	1.25	2.02	95	1.4	21	-22/-30
FE15T8	4	120	62	0.54	1.03	1.66	99	1.4	10	0/-18
	4	277	62	0.26	1.03	1.66	95	1.4	20	0/-18
	3	120	51	0.45	1.12	2.20	99	1.4	10	0/-18
	3	277	52	0.22	1.12	2.15	92	1.4	20	0/-18
F40T8	3	120	146	1.27	1.22	.84	99	1.4	10	-22/-30
	3	277	142	0.54	1.22	.86	97	1.4	14	-22/-30
F25T12	4	120	125	1.10	1.11	.89	99	1.4	10	0/-18
	4	277	122	0.47	1.11	.91	97	1.4	14	0/-18
	3	120	101	0.90	1.22	1.21	99	1.4	10	0/-18
	3	277	100	0.39	1.22	1.22	97	1.4	17	0/-18

Safety and Performance



Linear Fluorescent Ballasts



78627 – GE432MAXP-N/ULTRA

UltraMax® P-Series Instant Start

Multi-Voltage High-Efficiency

4 or 3 – F32T8 120 to 277 "N" .87 BF UltraMax® P

- T8 Instant Start Ballasts For F17 (2ft), F25 (3ft), F32 (4ft), F40 (5ft) Lamps
- Energy-saving high-efficiency instant-start electronic ballast (>90%)
- Multi-voltage technology handles voltage from 120 to 277V
- UL Type CC Rating provides protection against arcing in electrical devices
- Anti-striation control for better light quality
- UL 55°C Ambient Temperature rating
- Cold temperature -22°F Minimum Starting Temperature

Order Code	GBID
78627	25261206
General Characteristics	
Ballast Type	Electronic – High-Efficiency Multivolt Instant Start
Starting Method	Instant Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	55°C (131°F)
Case Temperature (MAX)	70°C (158°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Anti-striation control, Auto-restart, Inherently Thermally Protected, UL Class P
Electrical Characteristics	
Supply Current Frequency	50 Hz/60 Hz

Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.3 in (33 mm)
Height (H)	1.0 in (25.4 mm)
Mounting Dimensions	
Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	0.87 in (22 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	0.9 lbs
Exit Type	Side
Remote Mounting Distance to Lamp (F32T8)	18 ft
Remote Mounting Wire Gauge	18 AWG
Lead Lengths	
Black	25 in (635 mm)
White	25 in (635 mm)
Red & Blue	31 in (787 mm)
Yellow	39 in (991 mm)

Specifications and lamp wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F32T8	4	120	110	0.93	.88	.80	99	1.5	10	-22/-30
	4	277	108	0.4	.88	.81	98	1.5	10	-22/-30
	3	120	92	0.78	.96	1.04	99	1.5	10	-22/-30
	3	277	91	0.34	.96	1.05	98	1.5	10	-22/-30
F32T8/WM	4	120	103	0.87	.88	.85	99	1.5	10	-22/-30
	4	277	101	0.37	.88	.87	98	1.5	10	-22/-30
	3	120	85	0.73	.97	1.14	99	1.5	10	-22/-30
	3	277	84	0.31	.97	1.15	98	1.5	10	-22/-30
F28T8	4	120	94	0.80	.84	.89	99	1.5	10	-22/-30
	4	277	92	0.34	.84	.91	98	1.5	10	-22/-30
	3	120	77	0.66	.93	1.21	99	1.5	10	-22/-30
	3	277	76	0.29	.93	1.22	98	1.5	10	-22/-30
F32T8/25W	4	120	87	0.73	.87	1.00	99	1.5	10	-22/-30
	4	277	87	0.32	.87	1.00	98	1.5	10	-22/-30
	3	120	72	0.60	.89	1.24	99	1.5	10	-22/-30
	3	277	71	0.26	.89	1.25	97	1.5	10	-22/-30
F25T8	4	120	89	0.74	.86	.97	99	1.5	10	-22/-30
	4	277	88	0.32	.86	.98	98	1.5	10	-22/-30
	3	120	74	0.62	.97	1.31	99	1.5	10	-22/-30
	3	277	73	0.27	.97	1.33	97	1.5	10	-22/-30
F17T8	4	120	61	0.53	.89	1.46	99	1.5	10	-22/-30
	4	277	61	0.23	.89	1.46	97	1.5	10	-22/-30
	3	120	51	0.44	.99	1.94	99	1.5	10	-22/-30
	3	277	51	0.20	.99	1.94	96	1.5	10	-22/-30
FE15T8	4	120	48	0.42	.77	1.60	99	1.5	10	-22/-30
	4	277	48	0.19	.77	1.60	96	1.5	10	-22/-30
	3	120	41	0.35	.85	2.07	99	1.5	10	-22/-30
	3	277	40	0.17	.85	2.13	94	1.5	10	-22/-30
F25T12	4	120	91	0.78	.79	.87	99	1.5	10	0/-18
	4	277	90	0.33	.79	.88	98	1.5	10	0/-18
	3	120	76	0.65	.87	1.14	99	1.5	10	0/-18
	3	277	75	0.28	.87	1.16	98	1.5	10	0/-18

Safety and Performance



Linear Fluorescent Ballasts



78625 – GE432MAXP-L/ULTRA

UltraMax® P-Series Instant Start

Multi-Voltage High-Efficiency

4 or 3 – F32T8 120 to 277 "L" .77 BF UltraMax® P

- T8 Instant Start Ballasts For F17 (2ft), F25 (3ft), F32 (4ft), F40 (5ft) Lamps
- Energy-saving high-efficiency instant-start electronic ballast (>90%)
- Multi-voltage technology handles voltage from 120 to 277V
- UL Type CC Rating provides protection against arcing in electrical devices
- Anti-striation control for better light quality
- UL 55°C Ambient Temperature rating
- Cold temperature -22°F Minimum Starting Temperature

Order Code	GBID
78625	25261362

General Characteristics

Ballast Type	Electronic – High-Efficiency Multivolt Instant Start
Starting Method	Instant Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	55°C (131°F)
Case Temperature (MAX)	70°C (158°F)
Ballast Factor	Low
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Anti-striation control, Auto-restart, Inherently Thermally Protected, UL Class P

Electrical Characteristics

Supply Current Frequency	50 Hz/60 Hz
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Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.3 in (33 mm)
Height (H)	1.0 in (25.4 mm)

Mounting Dimensions

Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	0.87 in (22 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	0.9 lbs
Exit Type	Side
Remote Mounting Distance to Lamp (F32T8)	18 ft
Remote Mounting Wire Gauge	18 AWG

Lead Lengths

Black	25 in (635 mm)
White	25 in (635 mm)
Red & Blue	31 in (787 mm)
Yellow	39 in (991 mm)

Specifications and lamp wattage

Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F32T8	4	120	98	0.82	.78	.80	99	1.5	10	-22/-30
	4	277	96	0.35	.78	.81	98	1.5	10	-22/-30
	3	120	84	0.72	.88	1.05	99	1.5	10	-22/-30
	3	277	83	0.31	.88	1.06	98	1.5	10	-22/-30
F32T8/WM	4	120	92	0.79	.76	.83	99	1.5	10	-22/-30
	4	277	91	0.34	.76	.84	98	1.5	10	-22/-30
	3	120	77	0.66	.83	1.08	99	1.5	10	-22/-30
	3	277	76	0.28	.83	1.09	97	1.5	10	-22/-30
F28T8	4	120	85	0.72	.75	.88	99	1.5	10	-22/-30
	4	277	84	0.31	.75	.89	98	1.5	10	-22/-30
	3	120	68	0.59	.81	1.19	99	1.5	10	-22/-30
	3	277	67	0.26	.81	1.21	97	1.5	10	-22/-30
F32T8/25W	4	120	78	0.66	.77	.99	99	1.5	10	-22/-30
	4	277	77	0.29	.77	1.00	98	1.5	10	-22/-30
	3	120	62	0.52	.81	1.31	99	1.5	10	-22/-30
	3	277	61	0.22	.81	1.33	97	1.5	10	-22/-30
F25T8	4	120	80	0.67	.76	.95	99	1.5	10	-22/-30
	4	277	79	0.29	.76	.96	98	1.5	10	-22/-30
	3	120	66	0.55	.84	1.27	99	1.5	10	-22/-30
	3	277	65	0.25	.84	1.29	97	1.5	15	-22/-30
F17T8	4	120	56	0.47	.79	1.41	99	1.5	10	-22/-30
	4	277	56	0.21	.79	1.41	96	1.5	10	-22/-30
	3	120	47	0.40	.86	1.83	99	1.5	10	-22/-30
	3	277	47	0.18	.86	1.83	95	1.5	15	-22/-30
FE15T8	4	120	44	0.38	.76	1.73	99	1.5	10	-22/-30
	4	277	44	0.18	.76	1.73	95	1.5	10	-22/-30
	3	120	36	0.32	.76	2.11	99	1.5	10	-22/-30
	3	277	37	0.15	.76	2.05	93	1.5	15	-22/-30
F25T12	4	120	81	0.69	.76	.94	99	1.5	10	0/-18
	4	277	81	0.30	.76	.94	98	1.5	10	0/-18
	3	120	68	0.58	.76	1.12	99	1.5	10	0/-18
	3	277	67	0.25	.76	1.13	97	1.5	10	0/-18

Safety and Performance



UL Class P



UL Type 1 Outdoor



UL Type CC



UL Type HL

FCC – CLASS A Non-Consumer



49767 – GE259MAXP-N/ULTRA

UltraMax® P-Series Instant Start

Multi-Voltage High-Efficiency

2 or 1 – F96T8 120 to 277 "N" .87 BF UltraMax® P

- T8 Instant Start Ballasts For 46-59W 4ft-8ft Slimline Lamps
- Energy-saving high-efficiency instant-start electronic ballast (>90%)
- Multi-voltage technology handles voltage from 120 to 277V
- Anti-striation control for better light quality
- Cold temperature 0°F Minimum Starting Temperature

Order Code	GBID
49767	22065427

General Characteristics	
Ballast Type	Electronic – High-Efficiency Multivolt Instant Start
Starting Method	Instant Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	40°C (104°F)
Case Temperature (MAX)	70°C (158°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Anti-striation control, Auto-restart, Inherently Thermally Protected, UL Class P

Electrical Characteristics	
Supply Current Frequency	50 Hz/60 Hz

Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.3 in (33 mm)
Height (H)	1.18 in (30 mm)

Mounting Dimensions	
Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	0.87 in (22 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	1.4 lbs
Exit Type	Side
Remote Mounting Distance to Lamp (F32T8)	18 ft
Remote Mounting Wire Gauge	18 AWG

Lead Lengths	
Black	22 in (559 mm)
White	22 in (559 mm)
Blue	46 in (1168 mm)
Red	78 in (1981 mm)

Specifications and lamp wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F96T8	2	120	107	0.91	.87	.81	99	1.7	10	0/-18
	2	277	105	0.4	.87	.83	98	1.7	15	0/-18
	1	120	62	0.53	.87	1.40	99	1.7	10	0/-18
	1	277	62	0.24	.87	1.40	97	1.7	20	0/-18
F96T8/WM	2	120	102	0.87	.87	.85	99	1.7	10	50/10
	2	277	100	0.38	.87	.87	98	1.7	15	50/10
	1	120	59	0.5	.87	1.47	99	1.7	10	50/10
	1	277	59	0.23	.87	1.47	97	1.7	20	50/10
F96T8/WMP	2	120	85	0.78	.89	1.05	99	1.7	10	50/10
	2	277	84	0.32	.89	1.06	98	1.7	15	50/10
	1	120	59	0.5	.87	1.47	99	1.7	10	50/10
	1	277	59	0.23	.87	1.47	97	1.7	20	50/10
F72T8	2	120	79	0.72	.89	1.13	99	1.7	10	0/-18
	2	277	78	0.29	.89	1.14	98	1.7	13	0/-18
	1	120	44	0.39	.87	1.98	99	1.7	10	0/-18
	1	277	44	0.17	.87	1.98	96	1.7	20	0/-18

Safety and Performance



UL Class P



UL Type 1 Outdoor



UL Type HL

FCC – CLASS A Non-Consumer



74109 – GE232MAXP347-H

UltraMax® P-Series

347V High-Efficiency

2 or 1 – F32T8 347V "H" 1.18 BF UltraMax® P

- T8 Instant Start Ballasts
- Energy-saving high-efficiency instant-start electronic ballast (>90%)
- Instant start ballast for long lamp starting cycles and low initial cost
- Anti-striation control for better light quality
- Cold temperature -22°F Minimum Starting Temperature
- Parallel lamp operation means system maintenance is easier to manage

Order Code	GBID
74109	25482532

General Characteristics

Ballast Type	Electronic – High-Efficiency Instant Start
Starting Method	Instant Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	40°C (104°F)
Case Temperature (MAX)	70°C (158°F)
Ballast Factor	High
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Anti-striation control, Auto-restart, Inherently Thermally Protected, UL Class P

Electrical Characteristics

Supply Current Frequency	60 Hz
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Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.3 in (33 mm)
Height (H)	1.18 in (30 mm)

Mounting Dimensions

Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	0.87 in (22 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	1.04 lbs
Exit Type	Side
Remote Mounting Distance to Lamp (F32T8)	18 ft
Remote Mounting Wire Gauge	18 AWG

Lead Lengths

Black	25 in (635 mm)
White	25 in (635 mm)
Blue	31 in (787 mm)
Red	45 in (1143 mm)

Specifications and lamp wattage

Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F32T8	2	347	70	0.20	1.18	1.69	99	1.7	10	-22/-30
	1	347	44	0.13	1.32	3.00	99	1.7	10	-22/-30
F32T8/WM	2	347	67	0.19	1.15	1.72	99	1.7	10	60/16
	1	347	42	0.12	1.29	3.07	99	1.7	10	60/16
F28T8	2	347	63	0.12	1.30	2.06	99	1.7	17	60/16
	1	347	39	0.18	1.30	3.33	99	1.7	17	60/16
F32T8/25W	2	347	56	0.16	1.12	2.00	99	1.7	10	60/16
	2	347	55	0.16	1.16	2.11	99	1.7	10	-22/-30
F25T8	1	347	36	0.11	1.32	3.67	99	1.7	30	-22/-30
	2	347	47	0.14	1.16	2.47	98	1.7	10	60/16
F17TB	2	347	37	0.11	1.10	2.97	97	1.7	12	-22/-30
	1	347	23	0.08	1.25	5.43	87	1.7	52	-22/-30
F17T8/WM	2	347	31	0.10	1.10	3.55	97	1.7	12	60/16
	2	347	30	0.09	1.00	3.33	94	1.7	30	-22/-30
FE15T8	1	347	19	0.07	1.15	6.05	82	1.7	55	-22/-30
	2	347	53	0.16	1.24	2.34	99	1.7	10	-22/-30
F17T8/WM	2	347	61	0.18	1.23	2.02	99	1.7	10	-22/-30
	1	347	39	0.12	1.45	3.72	95	1.7	20	-22/-30

Safety and Performance



UL Class P



UL Type 1 Outdoor



UL Type HL

ICES-005 for EMI and RFI FCC – CLASS A Non-Consumer

ANSI - C82.11 - Cons 2002, ANSI - C62.41 - 1991

Linear Fluorescent Ballasts



72275 – GE232MAX-G-N (Replaces GE-232-MV-N)

UltraMax® G-Series Instant Start

Multivolt 120V-277V

2 or 1 – F32T8 120 to 277 "N" .87 BF Multivolt UltraMax® G

- For F17 (2ft), F25 (3ft), F32 (4ft), F40 (5ft) Lamps
- High-performance electronic ballast for all general fluorescent applications
- Instant start electronic ballast for long lamp starting cycles and low initial cost
- Multi-voltage technology handles voltage from 120 to 277V
- Parallel lamp operation means system maintenance is easier to manage
- Anti-striation control for better light quality
- Cold temperature -22°F Minimum Starting Temperature

Order Code	GBID
72275	25187728

General Characteristics

Ballast Type	Electronic – Multivolt Instant Start
Starting Method	Instant Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	40°C (104°F)
Case Temperature (MAX)	70°C (158°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Anti-striation control, Auto-restart, Inherently Thermally Protected, UL Class P

Electrical Characteristics

Supply Current Frequency	50 Hz/60 Hz
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Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.3 in (33 mm)
Height (H)	1.18 in (30 mm)

Mounting Dimensions

Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	0.87 in (22 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	1.06 lbs
Exit Type	Side
Remote Mounting Distance to Lamp (F32T8)	18 ft
Remote Mounting Wire Gauge	18 AWG

Lead Lengths

Black	25 in (635 mm)
White	25 in (635 mm)
Blue	31 in (787 mm)
Red	45 in (1143 mm)

Specifications and lamp wattage

Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F32T8	2	120	57	0.48	.88	1.54	99	1.7	10	-22/-30
	2	277	55	0.2	.88	1.60	98	1.7	10	-22/-30
	1	120	35	0.3	1.08	3.09	99	1.7	10	-22/-30
	1	277	35	0.13	1.08	3.09	97	1.7	10	-22/-30
F32T8/WM	2	120	53	0.44	.86	1.62	99	1.7	10	60/16
	2	277	51	0.19	.87	1.71	97	1.7	10	60/16
	1	120	33	0.28	1.05	3.18	99	1.7	10	60/16
	1	277	33	0.12	1.05	3.18	96	1.7	10	60/16
F28T8	2	120	47	0.39	.83	1.77	99	1.7	10	60/16
	2	277	47	0.17	.83	1.77	97	1.7	10	60/16
	1	120	31	0.26	1.02	3.29	99	1.7	10	60/16
	1	277	31	0.11	.02	.06	95	1.7	10	60/16
F32T8/25W	2	120	43	0.36	.83	1.93	99	1.7	10	60/16
	2	277	43	0.16	.83	1.93	97	1.7	10	60/16
	1	120	28	0.24	1.02	3.64	99	1.7	10	60/16
	1	277	28	0.10	1.02	3.64	98	1.7	10	60/16
F25T8	2	120	44	0.37	.90	2.05	99	1.7	10	-22/-30
	2	277	44	0.16	.91	2.07	97	1.7	10	-22/-30
	1	120	28	0.23	1.08	3.86	99	1.7	10	-22/-30
	1	277	28	0.11	1.08	3.86	95	1.7	10	-22/-30
F17T8	2	120	31	0.26	.88	2.84	99	1.7	10	-22/-30
	2	277	31	0.12	.88	2.84	95	1.7	10	-22/-30
	1	120	20	0.17	1.05	5.25	99	1.7	10	-22/-30
	1	277	21	0.08	1.05	5.00	92	1.7	14	-22/-30
F40T8	1	120	44	0.37	1.08	2.45	99	1.7	10	0/-18
	1	277	43	0.16	1.08	2.51	96	1.7	10	0/-18

Safety and Performance



UL Class P



UL Type 1 Outdoor



UL Type HL

FCC – CLASS A Non-Consumer

Linear Fluorescent Ballasts



74463 – GE432MAX-G-N (Replaces GE432MV-N)

UltraMax® G-Series T8

Multivolt 120V-277V

4 or 3 – F32T8 120 to 277 "N" .87 BF Multivolt UltraMax® G

- For F17 (2ft), F25 (3ft), F32 (4ft), F40 (5ft) Lamps
- High-performance electronic ballast for all general fluorescent applications
- Instant start electronic ballast for long lamp starting cycles and low initial cost
- Multi-voltage technology handles voltage from 120 to 277V
- Parallel lamp operation means system maintenance is easier to manage
- Anti-striation control for better light quality
- Cold temperature -22°F Minimum Starting Temperature

Order Code	GBID
74463	25247899
General Characteristics	
Ballast Type	Electronic – Multivolt Instant Start
Starting Method	Instant Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	40°C (104°F)
Case Temperature (MAX)	70°C (158°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Anti-striation control, Auto-restart, Inherently Thermally Protected, UL Class P
Electrical Characteristics	
Supply Current Frequency	50 Hz/60 Hz

Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.3 in (33 mm)
Height (H)	1.18 in (30 mm)
Mounting Dimensions	
Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	0.87 in (22 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	1.40 lbs
Exit Type	Side
Remote Mounting Distance to Lamp (F32T8)	18 ft
Remote Mounting Wire Gauge	18 AWG
Lead Lengths	
Black	25 in (635 mm)
White	25 in (635 mm)
Red & Blue	31 in (787 mm)
Yellow	47 in (1194 mm)

Specifications and lamp wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F32T8	4	120	113	0.99	.88	.78	99	1.7	10	-22/-30
	4	277	110	0.43	.88	.80	98	1.7	10	-22/-30
	3	120	93	0.83	.93	1.00	99	1.7	10	-22/-30
	3	277	92	0.36	.93	1.01	98	1.7	10	-22/-30
F32T8/WM	4	120	103	0.90	.83	.81	99	1.7	10	60/16
	4	277	103	0.40	.83	.81	98	1.7	10	60/16
	3	120	87	0.77	.91	1.05	99	1.7	10	60/16
	3	277	86	0.33	.91	1.06	98	1.7	10	60/16
F28T8	4	120	93	0.83	.82	.88	99	1.7	10	60/16
	4	277	92	0.36	.82	.89	98	1.7	10	60/16
	3	120	77	0.68	.85	1.10	99	1.7	10	60/16
	3	277	77	0.30	.85	1.10	98	1.7	10	60/16
F32T8/25W	4	120	88	0.74	.80	.91	99	1.7	10	60/16
	4	277	87	0.32	.80	.92	98	1.7	15	60/16
	3	120	73	0.61	.85	1.16	99	1.7	10	60/16
	3	277	73	0.27	.85	1.16	97	1.7	16	60/16
F25T8	4	120	88	0.77	.87	.99	99	1.7	10	-22/-30
	4	277	86	0.34	.87	1.01	98	1.7	10	-22/-30
	3	120	73	0.64	.93	1.27	99	1.7	10	-22/-30
	3	277	72	0.28	.93	1.29	98	1.7	10	-22/-30
F17T8	4	120	60	0.53	.87	1.45	99	1.7	10	-22/-30
	4	277	60	0.23	.87	1.45	97	1.7	10	-22/-30
	3	120	51	0.45	.91	1.78	99	1.7	10	-22/-30
	3	277	51	0.20	.91	1.78	97	1.7	10	-22/-30
F40T8	3	120	112	0.99			99	1.7	10	0/-18
	3	277	110	0.43			98	1.7	10	0/-18

Safety and Performance



UL Class P



UL Type 1 Outdoor



UL Type HL

FCC – CLASS A Non-Consumer

Linear Fluorescent Ballasts



74103 – GE232MAX-G-347 (Replaces GE232-N-347)

UltraMax® G-Series

347V Instant Start High-Efficiency

2 or 1 – F32T8 347V "N" .87 BF UltraMax® G

- T8 Instant Start Ballasts
- High-performance electronic ballast for all general fluorescent applications
- Instant start ballast for long lamp starting cycles and low initial cost
- Light-weight, Slim Profile Mini Can Housing
- Parallel lamp operation means system maintenance is easier to manage
- Cold temperature 0°F Minimum Starting Temperature

Order Code	GBID
74103	25321227

General Characteristics	
Ballast Type	Electronic – High-Efficiency Instant Start
Starting Method	Instant Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	40°C (104°F)
Case Temperature (MAX)	70°C (158°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Auto-restart, Inherently Thermally Protected, UL Class P

Electrical Characteristics	
Supply Current Frequency	60 Hz

Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.3 in (33 mm)
Height (H)	1.18 in (30 mm)

Mounting Dimensions	
Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	0.87 in (22 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	1.15 lbs
Exit Type	Side
Remote Mounting Distance to Lamp (F32T8)	18 ft
Remote Mounting Wire Gauge	18 AWG

Lead Lengths	
Black	25 in (635 mm)
White	25 in (635 mm)
Blue	31 in (787 mm)
Red	45 in (1143 mm)

Specifications and lamp wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F32T8	2	347	55	0.16	0.87	1.58	99	1.7	10	0/-18
	1	347	34	0.11	1.03	3.03	97	1.7	10	0/-18
F32T8/WM	2	347	52	0.15	0.85	1.63	99	1.7	10	60/16
	1	347	32	0.09	1.01	3.16	97	1.7	10	60/16
F28T8	2	347	48	0.14	0.84	1.75	99	1.7	10	60/16
	1	347	30	0.09	1.00	3.33	96	1.7	10	60/16
F32T8/25W	2	347	44	0.13	0.84	1.91	99	1.7	10	60/16
	2	347	41	0.12	0.88	2.15	98	1.7	10	0/-18
F25T8	1	347	26	0.08	1.04	4.00	95	1.7	11	0/-18
	2	347	35	0.11	0.88	2.51	98	1.7	10	60/16
F17T8	2	347	29	0.09	0.83	2.86	96	1.7	10	0/-18
	1	347	19	0.07	0.99	5.21	84	1.7	50	0/-18
F17T8/WM	2	347	24	0.08	0.83	3.46	96	1.7	10	60/16
	2	347	24	0.08	0.76	3.17	90	1.7	30	0/-18
FE15T8	1	347	16	0.06	0.89	5.56	78	1.7	66	0/-18
	2	347	44	0.13	0.88	2.00	98	1.7	10	0/-18
F25T12	1	347	28	0.08	1.07	3.82	96	1.7	10	0/-18

Safety and Performance



UL Class P



UL Type 1 Outdoor



UL Type HL

ICES-005 for EMI and RFI

FCC – CLASS A Non-Consumer

ANSI – C82.11 – Cons 2002, ANSI – C62.41 – 1991



74107 – GE432MAX-G-347 (Replaces GE432-N-347)

UltraMax® G-Series

347V Instant Start High-Efficiency

4 or 3 – F32T8 347V "N" .87 BF UltraMax® G

- T8 Instant Start Ballasts
- High-performance electronic ballast for all general fluorescent applications
- Instant start ballast for long lamp starting cycles and low initial cost
- Light-weight, Slim Profile Mini Can Housing
- Parallel lamp operation means system maintenance is easier to manage
- Cold temperature 0°F Minimum Starting Temperature

Order Code	GBID
74107	25365336

General Characteristics	
Ballast Type	Electronic – High-Efficiency Instant Start
Starting Method	Instant Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	40°C (104°F)
Case Temperature (MAX)	70°C (158°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Auto-restart, Inherently Thermally Protected, UL Class P

Electrical Characteristics	
Supply Current Frequency	60 Hz

Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.3 in (33 mm)
Height (H)	1.18 in (30 mm)

Mounting Dimensions	
Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	0.87 in (22 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	1.15 lbs
Exit Type	Side
Remote Mounting Distance to Lamp (F32T8)	18 ft
Remote Mounting Wire Gauge	18 AWG

Lead Lengths	
Black	25 in (635 mm)
White	25 in (635 mm)
Blue	31 in (787 mm)
Red	47 in (1194 mm)

Specifications and lamp wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F32T8	4	347	109	0.30	0.88	.81	99	1.7	10	0/-18
	3	347	87	0.25	0.95	1.09	99	1.7	10	0/-18
F32T8/WM	4	347	103	0.29	0.86	.83	99	1.7	10	60/16
	3	347	83	0.24	0.94	1.13	99	1.7	10	60/16
F28T8	4	347	96	0.27	0.84	.88	99	1.7	10	60/16
	3	347	76	0.22	0.92	1.21	99	1.7	10	60/16
F32T8/25W	4	347	87	0.25	0.84	.97	99	1.7	10	60/16
F25T8	4	347	83	0.24	0.88	1.06	99	1.7	10	0/-18
	3	347	68	0.20	0.96	1.41	99	1.7	11	0/-18
F25T8/WM	4	347	71	0.20	0.88	1.24	99	1.7	10	60/16
F17T8	4	347	52	0.17	0.84	1.62	99	1.7	10	0/-18
	3	347	48	0.14	0.91	1.90	98	1.7	50	0/-18
F17T8/WM	4	347	44	0.13	0.84	1.91	99	1.7	10	60/16
FE15T8	4	347	47	0.14	0.76	1.62	98	1.7	30	0/-18
	3	347	38	0.12	0.82	2.16	91	1.7	66	0/-18
F25T12	4	347	87	0.25	0.89	1.02	99	1.7	10	0/-18
	3	347	72	0.21	0.97	1.35	99	1.7	10	0/-18

Safety and Performance



UL Class P



UL Type 1 Outdoor



UL Type HL

ICES-005 for EMI and RFI

FCC – CLASS A Non-Consumer

ANSI – C82.11 – Cons 2002, ANSI – C62.41 – 1991



96714 – GE232-MVPS-N

UltraStart® T8

Programmed Start

2 or 1 – F32T8 120 to 277 Normal Light .88 BF <10% THD UltraStart®

- For F17 (2ft), F25 (3ft), F32 (4ft) Lamps
- < 10% THD, > 99% power factor
- A new generation of ultra-efficient Programmed Start ballasts (> 90% efficiency)
- Anti-striation circuitry reduces striations with energy saving lamps
- Extends lamp life in frequently switched applications (> 100,000 on/off cycles)
- Multi-voltage technology handles voltage from 120 to 277V
- Light-weight, Slim Profile Mini Can Housing

Order Code	GBID
96714	25111407

General Characteristics	
Ballast Type	Electronic – Programmed/ Rapid Start
Starting Method	Programmed Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	104°C (40°F)
Case Temperature (MAX)	70°C (158°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Additional Info	Anti-striation control, Inherently Thermally Protected, UL Class P, Universal voltage

Electrical Characteristics	
Supply Current Frequency	50 Hz/Supply Current Frequency (MIN)/ 50 Hz/ 60 (MIN)
Supply Current Frequency (MIN)	50 Hz/60 Hz

Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.3 in (33 mm)
Height (H)	1.1 in (28 mm)
Weight	1.10 lbs
Exit Type	Side
Remote Mounting Distance to Lamp (F32T8)	18 ft
Remote Mounting Wire Gauge	18 AWG
Lead Lengths	Lengths (± 1 in)
Black	25 in (635 mm)
Blue & Red	31 in (787 mm)
White	25 in (635 mm)
Yellow	46 in (1168 mm)

Specifications and lamp wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F32T8	2	120	57	0.48	.88	1.57	98	1.7	10	-20/-29
	2	277	56	0.21	.88	1.6	97	1.7	10	-20/-29
	1	120	35	0.29	1.08	3.1	98	1.7	10	-20/-29
	1	277	34	0.13	1.08	3.15	95	1.7	10	-20/-29
F28T8	2	120	51	0.44	.89	1.82	98	1.7	10	60/16
	2	277	48	0.19	.89	1.88	97	1.7	10	60/16
	1	120	30	0.25	1.08	3.5	98	1.7	10	60/16
	1	277	29	0.11	1.08	3.67	95	1.7	10	60/16
F32T8/25W	2	120	49	0.42	.89	1.92	98	1.7	10	60/16
	2	277	46	0.18	.89	1.95	97	1.7	10	60/16
	1	120	29	0.24	1.08	3.67	98	1.7	10	60/16
	1	277	29	0.11	1.08	3.67	93	1.7	16	60/16

Safety and Performance



UL Listed



UL Class P ANSI – C62.41



UL Type 1 Outdoor



UL Type HL

FCC – CLASS A Non-Consumer

Linear Fluorescent Ballasts



68993 – GE228MVPS-MC (replaces 99655)

UltraStart® Programmed Start

T5 High-Efficiency

2 or 1 – F14-F28T5HE, 120 – 277 UltraStart® PRS Normal Light – .95 BF A Can

- For F14 (2ft), F21 (3ft), F28 (4ft), F35 (5ft) HE T5 Lamps*
- High Efficiency T5 ballast with Continuous Cathode Cutout Technology
- Lower Maintenance Costs with Parallel Lamp Operation
- Fast Starting Time <700ms
- Multi-Voltage technology means a single ballast handles voltage from 108V to 305V
- Auto-Restart withstands temporary losses in power without the need to cycle power

Order Code	GBID
68993	25543125

General Characteristics	
Ballast Type	Electronic – Programmed / Rapid Start
Starting Method	Programmed Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	131°F (55°C)
Case Temperature (MAX)	70°C (158°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Additional Info	Auto-restart, End-of-Life Protection (EOL), Thermally protected, Universal voltage, Anti-striation control

Electrical Characteristics	
Supply Current Frequency	50 Hz/60 Hz

Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.3 in (33 mm)
Height (H)	1.0 in (25.4 mm)

Mounting Dimensions	
Mount Length (M)	8.9 in (226 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	1.0 lbs
Exit Type	Side
Remote Mounting Distance to Lamp	8 ft
Remote Mounting Wire Gauge	18 AWG

Lead Lengths	Length (± 1 in)
White & Black	20 in (508 mm)
Blue & Red	26 in (660 mm)
Yellow	37 in (940 mm)

Specifications and lamp wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F28T5HE	2	277	60	0.22	.96	1.60	99	1.4	6	0/-18
	1	277	41	0.16	1.21	2.95	97	1.4	9	0/-18
	2	120	62	0.53	.96	1.55	99	1.4	7	0/-18
	1	120	41	0.35	1.21	2.95	99	1.4	8	0/-18
F28T5HL	2	277	60	0.23	.96	1.60	98	1.4	6	32/0
	1	277	41	0.15	1.21	2.95	97	1.4	10	32/0
	2	120	62	0.52	.96	1.55	99	1.4	7	32/0
	1	120	41	0.35	1.21	2.95	99	1.4	8	32/0
F28T5WM	2	277	58	0.22	.98	1.69	98	1.4	6	32/0
	2	120	59	0.50	.98	1.66	99	1.4	7	32/0
F21T5HE	2	277	50	0.18	1.04	2.08	98	1.4	7	32/0
	2	120	51	0.43	1.04	2.04	99	1.4	8	32/0
F14T5HE	2	277	37	0.14	1.10	2.97	97	1.4	10	32/0
	2	120	37	0.32	1.10	2.97	99	1.4	9	32/0
F14T5WM	2	277	36	0.13	1.10	3.06	97	1.4	11	32/0
	2	120	36	0.30	1.10	3.06	99	1.4	9	32/0

Safety and Performance

UL Type CC
 UL Type 1 Outdoor
 UL Listed
 UL Type HL
 FCC – CLASS A Non-Consumer
 UL Class P
 cUL Listed
 Meets ANSI Standard C62.41-1991
 Product is compliant with material restriction requirements of RoHS Meets ANSI Standard C82.11- cons 2002 No PCB's



67562 – GE254MVPS90-A

UltraStart® Programmed Start

T5 High Output

2 or 1 – F54T5HO 120 to 277V UltraStart® PRS High Temp A Can

- For T5 HO Lamps*
- High Efficiency T5 ballast with Continuous Cathode Cutout Technology
- Lower Maintenance Costs with Parallel Lamp Operation
- Fast Starting Time <700ms
- Multi-Voltage technology means a single ballast handles voltage from 108V to 305V
- Auto-Restart withstands temporary losses in power without the need to cycle power

Order Code	GBID
67562	25467264

General Characteristics	
Ballast Type	Electronic – Programmed / Rapid Start
Starting Method	Programmed Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	131°F (55°C)
Case Temperature (MAX)	90°C (194°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Additional Info	Auto-restart, End-of-Life Protection (EOL), Thermally protected, Universal voltage, Anti-striation control

Electrical Characteristics	
Supply Current Frequency	50 Hz/60 Hz

Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.3 in (33.0 mm)
Height (H)	1.0 in (25.4 mm)

Mounting Dimensions	
Mount Length (M)	8.9 in (226 mm)
Mount Slots (MS)	0.25 in (6 mm)
Weight	1.10 lbs
Exit Type	Side
Remote Mounting Distance to Lamp	12 ft
Remote Mounting Wire Gauge	18 AWG

Lead Lengths	Length (± 1 in)
White & Black	25 in (635 mm)
Blue & Red	34 in (864 mm)
Yellow	45 in (1143 mm)

Specifications and lamp wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F54T5HO	2	120	117	0.98	1.00	.85	1.00	1.4	4.4	-20/-29
	2	277	114	0.41	1.10	.96	99	1.4	5.4	-20/-29
	1	120	63	0.53	1.00	1.59	1.00	1.4	6.4	-20/-29
	1	277	62	0.23	1.10	1.77	97	1.4	6.6	-20/-29
F54T5WM	2	120	109	0.90	1.00	.92	1.00	1.4	4.6	0/-18
	2	277	107	0.40	1.12	1.05	99	1.4	5.2	0/-18
	1	120	61	0.51	1.00	1.64	1.00	1.4	6.7	0/-18
	1	277	60	0.22	1.12	1.87	97	1.4	7.7	0/-18
F54T5/47W	2	120	105	0.88	1.00	.95	1.00	1.4	4.8	-20/-29
	2	277	104	0.40	1.10	1.06	99	1.4	5.3	-20/-29
	1	120	58	0.48	1.00	1.72	1.00	1.4	6.9	-20/-29
	1	277	57	0.22	1.10	1.93	96	1.4	8.0	-20/-29
F58T8	2	120	110	0.90	.95	.86	1.00	1.4	4.7	-20/-29
	2	277	107	0.39	.95	.89	99	1.4	5.4	-20/-29
	1	120	59	0.49	1.08	1.83	1.00	1.4	6.6	-20/-29
	1	277	59	0.22	1.08	1.83	96	1.4	7.3	-20/-29
FT55W/4P	2	120	116	0.97	.86	.74	1.00	1.4	4.9	0/-18
	2	277	112	0.41	.86	.77	99	1.4	5.4	0/-18
	1	120	61	0.51	1.03	1.69	1.00	1.4	6.8	0/-18
	1	277	60	0.23	1.03	1.72	97	1.4	8.0	0/-18
FT50W/4P	2	120	118	1.00	1.05	.89	1.00	1.4	4.6	0/-18
	2	277	116	0.43	1.06	.91	99	1.4	5.2	0/-18
	1	120	64	0.53	1.18	1.84	1.00	1.4	6.6	0/-18
	1	277	63	0.24	1.18	1.87	97	1.4	7.4	0/-18

Safety and Performance

UL Type 1 Outdoor
 UL Type CC
 UL Listed
 Meets ANSI Standard C62.41-1991
 UL Class P
 Meets ANSI Standard C82.11- cons 2002
 FCC – CLASS A Non-Consumer High Temperature Rated: Suitable for high temperature applications 80°C max case temp 5 yr warranty.
 Meets ANSI Standard C82.11- cons 2002 No PCB's

Linear Fluorescent Ballasts



67566 – GE454MVPS90-F (replaces 77114)

UltraStart® Programmed Start

T5 High Output

4-1 – F54T5HO 120 to 277V UltraStart® PS F Can

Order Code	GBID
67566	25511000

General Characteristics	
Ballast Type	Electronic – Programmed / Rapid Start
Starting Method	Programmed Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	55°C (131°F)
Case Temperature (MAX)	90°C (194°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Auto-restart, End-of-Life Protection (EOL), Thermally protected

Electrical Characteristics	
Supply Current Frequency	50 Hz/60 Hz

- For T5 HO Lamps*
- High Efficiency T5 ballast with Continuous Cathode Cutout Technology
- Lower Maintenance Costs with Parallel Lamp Operation
- Fast Starting Time <700ms
- Multi-Voltage technology means a single ballast handles voltage from 108V to 305V
- Auto-Restart withstands temporary losses in power without the need to cycle power
- Anti-Striation Control for better light quality, with no striations
- 90°C case rating/UL Approved 55C Ambient Rating
- Individual lamp End of Lamp Life protection – only one lamp shuts down at end of life
- Cold temperature -20°F Minimum Starting Temperature

Dimensions	
Length (L)	16.75 in (425 mm)
Width (W)	1.8 in (46 mm)
Height (H)	1.2 in (30.5 mm)

Mounting Dimensions	
Mount Length (M)	16.7 in (424 mm)
Weight	3.0 lbs
Exit Type	Side
Remote Mounting Distance to Lamp	8 ft
Remote Mounting Wire Gauge	18 AWG

Lead Lengths	Length (± 1 in)
Black	25 in (635 mm)
White	25 in (635 mm)

Specifications and lamp wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
FT55W/4P	4	120	206	1.73	.86	.42	99	1.4	5	0/-18
	4	277	203	0.75	.86	.42	97	1.4	8	0/-18
	3	120	168	1.41	.91	.54	99	7.0	6	0/-18
	3	277	168	0.63	.91	.54	97	1.4	10	0/-18
	2	120	125	1.04			99	1.4	7	0/-18
	2	277	124	0.48			94	1.4	16	0/-18
	1	120	64	0.54			99	1.4	10	0/-18
	1	277	66	0.28			84	1.4	25	0/-18
FT50W/4P	4	120	222	1.86	1.06	.48	99	1.4	5	0/-18
	4	277	218	0.81	1.06	.49	98	1.4	8	0/-18
	3	120	187	1.56	1.11	.59	99	1.4	6	0/-18
	3	277	184	0.68	1.11	.60	97	1.4	9	0/-18
	2	120	130	1.09			99	1.4	7	0/-18
	2	277	130	0.50			95	1.4	15	0/-18
	1	120	72	0.60			99	1.4	10	0/-18
	1	277	73	0.31			85	1.4	26	0/-18
F58T8	4	120	208	1.73	.95	.46	99	1.4	5	-20/-29
	4	277	204	0.76	.95	.47	97	1.4	9	-20/-29
	3	120	176	1.47	.99	.56	99	1.4	6	-20/-29
	3	277	173	0.65	.99	.57	94	1.4	10	-20/-29
	2	120	128	1.07			99	1.4	7	-20/-29
	2	277	127	0.49			94	1.4	16	-20/-29
	1	120	67	0.57			99	1.4	10	-20/-29
	1	277	68	0.29			85	1.4	25	-20/-29
F54T5/WM	4	120	214	1.79	1.00	.47	99	1.4	5	0/-18
	4	277	210	0.78	1.00	.48	98	1.4	8	0/-18
	3	120	181	1.51	1.01	.56	99	1.4	6	0/-18
	3	277	178	0.66	1.01	.57	97	1.4	9	0/-18
	2	120	130	1.09	.96	.74	99	1.4	7	0/-18
	2	277	135	0.51	.96	.71	95	1.4	15	0/-18
	1	120	69	0.58	1.12	1.62	99	1.4	10	0/-18
	1	277	70	0.30	1.12	1.60	85	1.4	26	0/-18
F54T5/HO	4	120	220	1.84	1.00	.45	99	1.4	5	-20/-29
	4	277	216	0.80	1.00	.46	98	1.4	8	-20/-29
	3	120	185	1.55	1.01	.55	99	1.4	6	-20/-29
	3	277	182	0.68	1.01	.55	97	1.4	9	-20/-29
	2	120	133	0.58	.96	.72	99	1.4	7	-20/-29
	2	277	132	0.50	.96	.72	95	1.4	15	-20/-29
	1	120	69	0.58	1.11	1.61	99	1.4	10	-20/-29
	1	277	70	0.30	1.11	1.59	85	1.4	26	-20/-29

Safety and Performance

UL Type 1 Outdoor
 UL Type HL
 FCC – CLASS A Non-Consumer
 ANSI-C62.41-1991

ANSI-C82.11-Cons 2002
 UL Class P
 UL Type CC
 UL Listed
 CSA
 High Temperature Rated: Suitable for high temperature applications 70C max case temp 5 yr warranty or 90C max case temp 3 yr warranty



74119 – GETR480/277-250W

Step Down Transformers

Non-Isolated Autotransformer 480 to 277V, <250 Watts (VA), A Can

Order Code	GBID
74119	25201982

- Precision-wound coils, ensuring even heat dissipation and the highest electrical integrity.
- Non-Isolated Autotransformer designed specifically for lighting applications to step down 480V to 277V
- For use with one or more electronic 277V or universal voltage ballasts within max total system power of autotransformer
- 480Vrms Input, 60Hz Only, 277Vrms Full Load Output or 347Vrms Input
- For loads with total system power <250VA
- Internal Auto Reset Thermal Protector Rated 100C
- For use on single phase or ground referred systems
- Five Year Limited Warranty
- 93% electrical efficiency

General Characteristics	
Ballast Type	Magnetic - Core & Coil
Case Temperature (MAX)	100°C (212°F)
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Thermally protected

Electrical Characteristics	
Supply Current Frequency	60 Hz
Supply Current Frequency (MIN)	60 Hz

Specifications by lamp and wattage/Line Volts (V)	
480V to 277V	
347V to 200V	

Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.7 in (43.2 mm)
Height (H)	1.18 in (30 mm)
Mounting Dimensions	
Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	1.18 in (30 mm)
Mount Slots (MS)	0.3 in (8 mm)
Exit Type	Side
Remote Mounting Wire Gauge	14 AWG
Lead Lengths	
	Length (± 1 in)
Black	14.0 in (356 mm)
Blue	14.0 in (356 mm)
Red	14.0 in (356 mm)

Safety and Performance



UL Type 1 Outdoor



UL Listed



UL Listed Autotransformer



74120 – GETR480/277-375W

Step Down Transformers

Non-Isolated Autotransformer 480 to 277V, <375 Watts (VA), F Can

Order Code	GBID
74120	25201983

- Precision-wound coils, ensuring even heat dissipation and the highest electrical integrity.
- Non-Isolated Autotransformer designed specifically for lighting applications to step down 480V to 277V
- For use with one or more electronic 277V or universal voltage ballasts within max total system power of autotransformer
- 480Vrms Input, 60Hz Only, 277Vrms Full Load Output or 347Vrms Input
- For loads with total system power <375VA
- Internal Auto Reset Thermal Protector Rated 100C
- For use on single phase or ground referred systems
- Five Year Limited Warranty
- 93% electrical efficiency

General Characteristics	
Ballast Type	Magnetic - Core & Coil
Case Temperature (MAX)	100°C (212°F)
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Thermally protected

Electrical Characteristics	
Supply Current Frequency	60 Hz
Supply Current Frequency (MIN)	60 Hz

Specifications by lamp and wattage/Line Volts (V)	
480V to 277V	
347V to 200V	

Dimensions	
Length (L)	11.75 in (299 mm)
Width (W)	1.7 in (43.2 mm)
Height (H)	1.18 in (30 mm)
Mounting Dimensions	
Mount Length (M)	11.1 in (283 mm)
Mount Slots (MS)	0.3 in (8 mm)
Exit Type	Side
Remote Mounting Wire Gauge	14 AWG
Lead Lengths	
	Length (± 1 in)
Black	14.0 in (356 mm)
Blue	14.0 in (356 mm)
Red	14.0 in (356 mm)

Safety and Performance



UL Type 1 Outdoor



UL Listed



UL Listed Autotransformer



Linear Fluorescent Ballasts



74472 – GE240PS-MV-N (replaces 24107)

ProLine®

T12 Multivolt 120V – 277V

2 or 1 – F40 or F34T12 Rapid Start 120 to 277 "N" BF ProLine® T12

- For F20 (2ft), F30 (3ft), F34/F40 (4ft) T12 Lamps
- High-performance electronic ballast for all general fluorescent applications
- Multi-voltage technology handles voltage from 120 to 277V
- Light weight, low-profile housing
- Parallel lamp operation means system maintenance is easier to manage

Order Code	GBID
74472	25247901

General Characteristics	
Ballast Type	Electronic – Programmed / Rapid Start
Starting Method	Rapid Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	
Case Temperature (MAX)	70°C (158°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20–24 decibels)
Enclosure Type	Metal
Additional Info	Auto-restart, Thermally protected

Electrical Characteristics	
Supply Current Frequency	60 Hz

Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.3 in (33 mm)
Height (H)	1.2 in (30.5 mm)
Mounting Dimensions	
Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	1.1 in (28 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	1.06 lbs
Exit Type	Side
Remote Mounting Distance to Lamp	18 ft
Remote Mounting Wire Gauge	18 AWG
Lead Lengths	
	Length (± 1 in)
Yellow	48 in (1219 mm)
Blue	33 in (838 mm)
Red	33 in (838 mm)
Black	25 in (635 mm)
White	25 in (635 mm)

Specifications and lamp wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F40T12	2	120	74	0.67	.89	1.20	99	1.7	6	50/10
	2	277	73	0.30	.89	1.22	97	1.7	10	50/10
	1	120	48	0.41			99	1.7	7	50/10
	1	277	48	0.19			95	1.7	10	50/10
F40T10	2	120	75	0.63	.88	1.17	99	1.7	7	50/10
	2	277	72	0.27	.88	1.22	94	1.7	16	50/10
	1	120	42	0.35			99	1.7	10	50/10
	1	277	42	0.17			88	1.7	16	50/10
F34T12	2	120	63	0.56	.87	1.38	99	1.7	7	50/10
	2	277	62	0.26	.87	1.40	96	1.7	10	50/10
	1	120	41	0.35			99	1.7	8	50/10
	1	277	41	0.17			94	1.7	11	50/10
F30T12/WM	2	120	50	0.42	.95	1.90	99	1.7	9	50/10
	2	277	50	0.20	.95	1.90	91	1.7	18	50/10
	1	120	30	0.26			99	1.7	12	50/10
	1	277	30	0.13			82	1.7	27	50/10
F30T12	2	120	60	0.31	.95	1.58	99	1.7	7	50/10
	2	277	58	0.22	.95	1.64	96	1.7	10	50/10
	1	120	37	0.31			99	1.7	8	50/10
	1	277	37	0.16			94	1.7	11	50/10
F20T12	2	120	46	0.39	1.00	2.17	99	1.7	8	50/10
	2	277	45	0.18	1.00	2.22	94	1.7	11	50/10
	1	120	28	0.24			99	1.7	9	50/10
	1	277	29	0.13			92	1.7	17	50/10

Safety and Performance



UL Type 1 Outdoor



UL Type HL



UL Class P



ETL NRCan

FCC Part 18 Class B at 120 volts

cUL Listed



UL Listed

Linear Fluorescent Ballasts



74474 – GE-260IS-MV-N (replaces 24108)

ProLine®

T12 Multivolt 120V – 277V

2 or 1 – F96T12 Instant Start 120 to 277

Order Code	GBID
74474	25247903

General Characteristics	
Ballast Type	Electronic – Multivolt Instant Start
Starting Method	Rapid Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	
Case Temperature (MAX)	70°C (158°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Enclosure Type	Metal
Additional Info	Auto-restart, Thermally protected

Electrical Characteristics	
Supply Current Frequency	50Hz/60 Hz

- For T12 4ft – 8ft Slimline Lamps
- High-performance electronic ballast for all general fluorescent applications
- Instant start electronic ballast for long lamp starting cycles and low initial cost
- Multi-voltage technology handles voltage from 120 to 277V
- Light weight, low-profile housing
- Parallel lamp operation means system maintenance is easier to manage

Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.7 in (43 mm)
Height (H)	1.2 in (30.5 mm)

Mounting Dimensions	
Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	1.1 in (28 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	2.40 lbs
Exit Type	Side
Remote Mounting Distance to Lamp	18 ft
Remote Mounting Wire Gauge	18 AWG

Lead Lengths	Length (± 1 in)
Black	25 in (635 mm)
White	25 in (635 mm)
Red	59 in (1499 mm)
Blue	67 in (1702 mm)

Specifications and lamp wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F96T12/WMP	2	120	107	0.94	.88	.82	99	1.7	8	60/16
	2	277	106	0.40	.88	.83	96	1.7	10	60/16
	1	120	68	0.60	1.00	1.47	99	1.7	10	60/16
	1	277	68	0.27	1.00	1.47	95	1.7	12	60/16
F96T12/WM	2	120	112	0.98	.90	.80	99	1.7	8	60/16
	2	277	110	0.42	.90	.82	97	1.7	10	60/16
	1	120	72	0.63	1.00	1.39	99	1.7	10	60/16
	1	277	71	0.28	1.00	1.41	95	1.7	12	60/16
F96T12	2	120	141	1.24	.90	.64	99	1.7	8	0/-18
	2	277	138	0.53	.90	.65	98	1.7	10	0/-18
	1	120	90	0.79	1.02	1.13	99	1.7	10	0/-18
	1	277	89	0.34	1.02	1.15	96	1.7	12	0/-18
F84T12	2	120	125	1.10	.90	.72	99	1.7	8	0/-18
	2	277	123	0.47	.90	.73	97	1.7	10	0/-18
	1	120	80	0.70	1.04	1.30	99	1.7	10	0/-18
	1	277	79	0.30	1.04	1.32	96	1.7	12	0/-18
F72T12	2	120	107	0.94	.90	.84	99	1.7	8	0/-18
	2	277	106	0.40	.90	.85	97	1.7	10	0/-18
	1	120	69	0.60	1.08	1.51	99	1.7	10	0/-18
	1	277	69	0.27	1.08	1.51	95	1.7	12	0/-18
F64T12	2	120	97	0.86	.90	.93	99	1.7	8	0/-18
	2	277	96	0.37	.90	.94	97	1.7	10	0/-18
	1	120	63	0.55	1.08	1.71	99	1.7	10	0/-18
	1	277	63	0.25	1.08	1.71	95	1.7	12	0/-18
F60T12	2	120	92	0.81	.90	.98	99	1.7	8	0/-18
	2	277	91	0.35	.90	.99	96	1.7	10	0/-18
	1	120	60	0.53	1.08	1.80	99	1.7	10	0/-18
	1	277	60	0.28	1.08	1.80	94	1.7	12	0/-18
F48T12	2	120	73	0.65	.90	1.23	99	1.7	8	0/-18
	2	277	73	0.29	.90	1.23	95	1.7	10	0/-18
	1	120	49	0.43	1.10	2.24	99	1.7	10	0/-18
	1	277	48	0.20	1.10	2.29	89	1.7	12	0/-18

Safety and Performance



UL Type 1 Outdoor



NRCAN



UL Type HL

FCC – CLASS A Non-Consumer



UL Class P

cUL Listed



UL Listed

Linear Fluorescent Ballasts



35727 – GE296HO-MVPS-N

ProLine® T12 High Output

T12 Multivolt 120V – 277V

2 or 1 – F96T12 HO RS 120 to 277 Multivolt ProLine®

Order Code	GBID
35727	25691904

General Characteristics

Ballast Type	Electronic – Programmed/ Rapid Start
Starting Method	Rapid Start
Lamp Wiring	Series
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	105°F (41°C)
Case Temperature (MAX)	75°C (167°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Additional Info	Auto-restart, Thermally protected

Electrical Characteristics

Supply Current Frequency	50Hz/60 Hz
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Dimensions

Length (L)	11.75 in (299 mm)
Width (W)	2.15 in (55 mm)
Height (H)	1.61 in (41 mm)

Mounting Dimensions

Mount Length (M)	11.0 in (279 mm)
Mount Width (X or F)	2.15 in (55 mm)

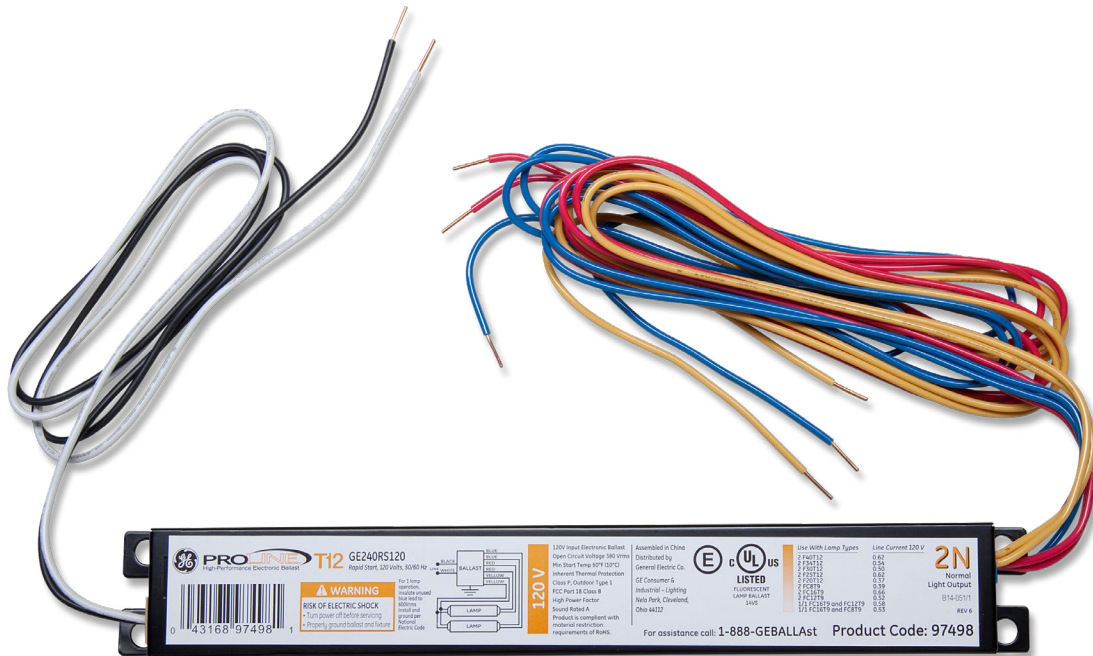
Mount Slots (MS)	
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Weight	
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Exit Type	Side
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Specifications by lamp and wattage

Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
F96T12/HO/WM	2	120	164	1.38	.90	.55	99	1.7	10	60/16
	2	277	164	0.62	.90	.55	99	1.7	10	60/16
	2	120	196	1.65	.90	.47	99	1.7	10	-20/-29
F96T12/HO	2	277	196	0.73	.90	.46	97	1.7	10	-20/-29
	1	120	104	0.88	.92	.88	99	1.7	15	-20/-29
	1	277	104	0.42	.92	.88	95	1.7	15	-20/-29
F72T12/HO	2	120	154	1.30	.90	.58	99	1.7	10	-20/-29
	2	277	154	0.57	.90	.58	96	1.7	10	-20/-29
F70T8	2	120	120	1.17	.90	.75	99	1.7	10	-20/-29
	2	277	119	0.52	.90	.76	97	1.7	10	-20/-29
F60T12/HO	2	120	132	0.50	.90	.68	96	1.7	10	-20/-29
	2	277	132	0.50	.90	.68	96	1.7	10	-20/-29
F48T12/HO	2	120	112	0.95	.90	.80	99	1.7	15	-20/-29
	2	277	113	0.43	.90	.80	95	1.7	15	-20/-29



Safety and Performance

cUL Listed UL Listed FCC Part 18 (Class A) Non Consumer

Compact Fluorescent Ballasts



Understanding Compact Fluorescent Ballasts

Compact fluorescent (CFL) ballasts provide energy saving alternatives to halogen, incandescent or HID light sources. Multi volt ProLine® CFL programmed start ballasts combine universal voltage (108-305V) technology with multi-lamp capability, dual entry color-coded connectors and ultra system reliability to create an industry leading CFL solution for commercial and residential applications.

UltraMax® and UltraStart® High Lumen Biax® ballasts with the High Lumen WattMiser® Biax® lamp provides the perfect solution for high efficiency and high lumen output in a small space.

UltraMax® Instant Start Ballasts:

- For use in long burn cycles (>10 hr cycles) to maintain lamp life
- High efficiency (>90%) design
- Universal voltage (120-277V)
- Striation control circuitry
- Small compact housing

UltraStart® Programmed Start Ballasts:

- For use in shorter burn cycles (<3 hr cycles) to extend lamp life
- High efficiency (>90%) cathode cutout design
- Universal voltage (120-277V)
- Striation control circuitry
- Small compact housing
- Parallel lamp operation
- <700ms fast starting time
- Ballasts available for both F40/30W and F40/25W lamps

Multivolt ProLine®

Multivolt ProLine® CFL ballasts are offered in 3W configuration: 3-way mounting kits that allow you to have all three mounting options with one kit.

Multivolt ProLine® CFL ballasts come with a five-year ballast and one-year lamp limited warranty. These ballasts have a Consumer Class B EMI rating for residential applications, as well as a high power factor ballast design.

Use the Multivolt ProLine® CFL Multi-Lamp compatibility chart (page 17-3) to find the right ballast for your need.

ProLine® CFL Date Code System

Date Code Format: 01 200801 = Week2008 = Year

UltraMax® and UltraStart® Biax® ballasts have the same date code system as all linear fluorescent ballasts.



Compact Fluorescent Ballasts



63097 – GEC226-MVPS-3W

ProLine® CFL Electronic Ballasts

2 – CFQ26W, FT24 or 1 – 24W CFTR32 120-277V ProLine® PS

- Multi-voltage technology means a single ballast handles voltage from 108V to 305V
- Programmed starting for extended lamp life
- End-of-Lamp-Life protection
- Color coded poke-in connectors simplifies wiring

Order Code	GBID
63097	25472999
General Characteristics	
Ballast Type	Electronic – Program/ Rapid Start
Starting Method	Programmed Start
Lamp Wiring	Series
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	104°F (40°C)
Case Temperature (MAX)	75°C (167°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Additional Info	Auto restart, Thermally protected, Universal voltage

Dimensions	
Physical Parameters	
Length (L)	5.1 in (128 mm)
Width (W)	2.4 in (60 mm)
Height (H)	0.9 in (23 mm)
Weight	0.419 lbs
Exit Type	Dual Entry
Remote Mounting Distance to Lamp	9.8 ft (3 m)
Remote Mounting Wire Gauge	18 AWG
Electrical Characteristics	
Supply Current Frequency	50Hz/60 Hz

Specifications by lamp and wattage										
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Ballast Efficacy Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
CFQ26W/G24q	2	120	56	0.47	1.02	1.82	99	1.7	10	-20/-29
	2	277	54	0.20	1.02	1.89	97	1.7	11	-20/-29
	1	120	30	0.25	1.04	3.47	99	1.7	10	-20/-29
	1	277	30	0.12	1.04	3.47	93	1.7	13	-20/-29
CFTR26W/GX24q	2	120	64	0.53	.97	1.52	99	1.7	10	-20/-29
	2	277	64	0.23	.88	1.38	97	1.7	12	-20/-29
	1	120	32	0.26	1.01	3.16	99	1.7	10	-20/-29
	1	277	32	0.12	1.00	3.16	94	1.7	13	-20/-29
CFS21W/GR10q	2	120	56	0.47	1.12	2.00	99	1.7	10	-20/-29
	2	277	55	0.20	1.11	2.02	96	1.7	11	-20/-29
CFTR42W/GX24q	1	120	51	0.42	.92	1.80	99	1.7	10	-20/-29
	1	277	50	0.18	.92	1.84	97	1.7	12	-20/-29
CFTR32W/GX24q	1	120	39	0.33	1.24	3.18	99	1.7	10	-20/-29
	1	277	39	0.15	1.23	3.15	95	1.7	13	-20/-29
FC16T9 40W	1	120	40	0.33	.89	2.23	99	1.7	10	-20/-29
	1	277	40	0.14	.94	2.35	95	1.7	13	-20/-29
FT24W/2G11	1	120	27	0.23	1.04	3.85	99	1.7	10	-20/-29
	1	277	27	0.11	1.10	4.07	91	1.7	14	-20/-29
FT36W/2G11	1	120	35	0.29	.94	2.69	99	1.7	10	-20/-29
	1	277	35	0.13	.94	2.69	94	1.7	13	-20/-29
FT39W/2G11	1	120	33	0.27	.97	2.94	99	1.7	10	-20/-29
	1	277	33	0.12	.98	2.97	94	1.7	14	-20/-29

71436 – GEC340MAX-A

High-Lumen Biax® UltraMax® Instant Start

3 – FT40W-25W/2G11 Biax - 120-277V UltraMax® Instant Start

- Multi-Voltage technology handles voltage from 120 to 277V
- Energy saving, high efficiency instant start electronic ballast (> 90%)
- Instant start electronic ballast for long lamp starting cycles and low initial cost
- Lamp End-of-Life Safety Shutdown Circuit with Re-Lamping Auto-reset

Order Code	GBID
71436	25259159
General Characteristics	
Ballast Type	Electronic – High Efficiency Instant Start
Starting Method	Instant Start
Lamp Wiring	Parallel
Line Voltage Regulation(+/-)	10%
Ambient Temperature (MAX)	105°F (41°C)
Case Temperature (MAX)	70°C (158°F)
Ballast Factor	Normal
Power Factor Correction	Active
Sound Rating	A (20-24 decibels)
Additional Info	End-of-Life Protection (EOL), Thermally protected

Dimensions	
Length (L)	9.5 in (241 mm)
Width (W)	1.7 in (43 mm)
Height (H)	1.18 in (30 mm)
Mounting Dimensions	
Mount Length (M)	8.9 in (226 mm)
Mount Width (X or F)	1.18 in (30 mm)
Mount Slots (MS)	0.3 in (8 mm)
Weight	1.40 lbs
Exit Type	Side
Remote Mounting Distance to Lamp	12 ft
Remote Mounting Wire Gauge	18 AWG
Electrical Characteristics	
Supply Current Frequency	50Hz/60 Hz

Specifications by lamp and wattage									
Lamp	# of Lamps	Line Volts (V)	System Watts (W)	Nom. Line Current (A)	System Ballast Factor	Power Factor % (>=)	Crest Factor (<=)	THD% (<=)	Min Starting Temp (°F/°C)
FT40W/4P	3	120	100	0.86	.90	99	1.7	10	0/-18
	3	277	99	0.36	.90	99	1.7	10	0/-18
	2	120	76	0.65	.98	99	1.7	10	0/-18
	2	277	75	0.27	.98	95	1.7	10	0/-18
FT40W/28W/4P	3	120	93	0.79	1.00	99	1.7	10	0/-18
	3	277	91	0.33	1.00	95	1.7	10	0/-18
	2	120	70	0.59	1.07	99	1.7	10	0/-18
	2	277	69	0.25	1.07	95	1.7	10	0/-18
FT40W/25W/4P	3	120	85	0.73	1.00	99	1.7	10	0/-18
	3	277	84	0.31	1.00	95	1.7	10	0/-18
	2	120	64	0.53	1.11	99	1.7	10	0/-18
	2	277	63	0.23	1.11	95	1.7	10	0/-18

Safety and Performance

FCC Part 18 Class B



UL Class P



UL Type 1 Outdoor

No PCB's

ANSI Standard C82.11-Cons 2002

ANSI Standard C62.41-1991

Understanding Electromagnetic HID Ballasts

Current offers High Intensity Discharge (HID) ballasts for mercury, probe start metal halide, pulse start metal halide and high pressure sodium lamps. Standard metal halide lamps or probe start metal halide over 150 watts, like fluorescent, are electric discharge lamps and require an open circuit voltage of nearly two times the operating voltage to initiate the arc between the two electrodes in the arc tube. High pressure sodium, pulse start metal halide and probe start metal halide lamps 150 watts or less require an igniter to initiate the high voltage to start the lamps. The ballasts provide the starting voltage with the igniter, where required and provides stability for the lamp. HID lamps have negative impedance characteristics and would draw current until destruction unless a ballast was in place to regulate the current.

HID lamps take several minutes to warm-up and reach full light output. If power is interrupted between the lamp and the ballast, the arc will extinguish and lamp will go out. The lamp must cool down and reduce the vapor pressure before it will re-start. Typical warm-up and restrike times are as follows:

HID Ballast Types

Core and Coil

The most common HID ballasts are the core and coil and is used in 90% of the fixture applications. Core and coil ballasts consist of one, two or three copper (or aluminum) coils on a core of electrical-grade steel laminations. HID ballasts are classified by the kind of circuit they use: Reactor (R), High Reactance autotransformer (HX), Constant Wattage Autotransformer (CWA), Regulated lag (Reg Lag) or Electronic. HID ballast are also classified as high power factor (HPF) or normal power factor (NPF).

HID ballast 150 watts or less have High Reactance Autotransformer circuits and high power factor (HX-HPF). HID ballast greater than 150 watts have Constant Wattage Auto transformer circuits and are high power factor (HPF).

CWA ballast is the most common circuit for core and coil ballast. CWA circuits provide for stable light regulation. The CWA circuit consists of a high reactance autotransformer with a capacitor in series with the lamp resulting with high power factor ballast. In most CWA ballast circuits a 10% drop in line voltage will only reduce the light output and wattage by 5%. The CWA circuit ballast requires an igniter for QMH pulse start, ceramic metal halide and HPS lamps. Igniters are also required for QMH lamps 150 watts or less.





86675 – GEM100MLTLC3D-5

Metal Halide

1 – 100W MH M90 or M140 Quad (120/208/240/277V)

- For 100W Metal Halide HID Lamps
- Magnetic ballast construction ideal for a wide variety of lighting applications
- Precision-wound coils, ensuring even heat dissipation and the highest electrical integrity
- Distributor replacement kit contains the appropriate core and coil with color coded leads, a properly rated capacitor and ignitor (if required) and all other components required for ballast replacement

Order Code	GBID
86675	99422055

General Characteristics	
Ballast Type	Magnetic – Core and Coil
ANSI Lamp Codes	M92, M90, M140
Voltage	120/208/240/277
Line Voltage Regulation(+/-)	5%
Circuit Type	HX-HPF
Insulation Class	180° C
Type of Capacitor	Dry Film
Capacitance	12 Mfd GECAP-12/280V-D
Voltage (MIN)	280
Capacitor Temperature Rating	100°C (212°F)
GE Igniter (Discontinued)	MH350-1A
Sound Rating	
Additional Info	

Electrical Characteristics	
Supply Current Frequency	60 Hz

Dimensions	
Length (L)	5.25 in (133 mm)
Width (W)	1.25 in (32 mm)
Mounting Dimensions	
Mount Length (M)	4.6 in (117 mm)
Mount Width (X or F)	
Mount Slots (MS)	0.25 in (6 mm)
A	2.0
B	3.0
Weight	5.0 lbs
Exit Type	Side
Nominal Length	2.7 in (69 mm)
Frame Size (H x L)	2.813 in x 3.939 in

Specifications by lamp and line voltage

Lamp	Specifications by line voltage				Lamp	Specifications by line voltage					
M92		120	208	240	277	M90, M140 100W Ceramic Metal Halide 100W Quartz Metal Halide		120	208	240	277
	System Wattage (W)	119	119	119	119		System Wattage (W)	119	119	119	119
	Nominal Current	1.10A	0.60A	0.50A	0.50A		Nominal Current	1.10A	0.60A	0.50A	0.50A
	Ballast Factor	1	1	1	1		Ballast Factor	1	1	1	1
	Ballast Efficiency Factor						Ballast Efficiency Factor	0.84	0.84	0.84	0.84
	Max Input Current	2.27A	1.30A	1.13A	0.98A		Max Input Current	2.27A	1.30A	1.13A	0.98A
	Starting Current	1.26A	0.69A	0.60A	0.53A		Starting Current	1.26A	0.69A	0.60A	0.53A
	Open Circuit Voltage	274V	274V	274V	274V		Open Circuit Voltage	274V	274V	274V	274V
	Drop Out Voltage	96V	166V	192V	222V		Drop Out Voltage	96V	166V	192V	222V
	Power Factor (>=) %	90	90	90	90		Power Factor (>=) %	90	90	90	90
	Min. Starting Temp (°F/°C)	-22/-30	-22/-30	-22/-30	-22/-30		Min. Starting Temp (°F/°C)	-22/-30	-22/-30	-22/-30	-22/-30
	Fuse Rating	5	4	3	3		Fuse Rating	5	4	3	3
UL Bench Top Rise	D	D	D	D	UL Bench Top Rise	D	D	D	D		



86718 – GEM150MLTLC3D-5

Metal Halide

1 – 150W MH M102 or M142 Quad (120/208/240/277V)

Order Code	GBID
86718	99429434
General Characteristics	
Ballast Type	Magnetic – Core and Coil
ANSI Lamp Codes	M142, M102
Voltage	120/208/240/277
Line Voltage Regulation(+/-)	5%
Circuit Type	HX-HPF
Insulation Class	180° C
Type of Capacitor	Dry Film
Capacitance	16 Mfd GECAP-16/280V-D
Voltage (MIN)	300
Capacitor Temperature Rating	100°C (212°F)
GE Igniter (Discontinued)	MH350-1A
Electrical Characteristics	
Supply Current Frequency	60 Hz

Specifications by lamp and line voltage					
Lamp	Specifications by line voltage				
	120	208	240	277	
M142, M102 150W Ceramic Metal Halide 150W Quartz Metal Halide	System Wattage (W)	186	186	186	186
	Nominal Current	1.60A	1.00A	0.80A	0.70A
	Ballast Factor	1	1	1	1
	Ballast Efficiency Factor	0.81	0.81	0.81	0.81
	Max Input Current	3.37A	1.95A	1.68A	1.39A
	Starting Current	1.86A	1.03A	0.89A	0.77A
	Open Circuit Voltage	257V	257V	257V	257V
	Drop Out Voltage	96V	166V	192V	222V
	Power Factor (>=) %	90	90	90	90
	Min. Starting Temp (°F/°C)	-22/-30	-22/-30	-22/-30	-22/-30
	Fuse Rating	10	5	5	4
	UL Bench Top Rise	A	B	A	A

- For 150W Metal Halide HID Lamps
- Magnetic ballast construction ideal for a wide variety of lighting applications
- Precision-wound coils, ensuring even heat dissipation and the highest electrical integrity
- Distributor replacement kit contains the appropriate core and coil with color coded leads, a properly rated capacitor and ignitor (if required) and all other components required for ballast replacement
- Quad ballast (120, 208, 240, 277)

Dimensions	
Length (L)	5.25 in (133 mm)
Width (W)	1.25 in (32 mm)
Mounting Dimensions	
Mount Length (M)	4.6 in (117 mm)
Mount Width (X or F)	
Mount Slots (MS)	0.25 in (6 mm)
A	2.3
B	4.0
Weight	7.0 lbs
Exit Type	Side
Nominal Length	2.7 in (69 mm)
Frame Size (H x L)	2.813 in x 3.939 in

Safety and Performance

cUL Listed UL Listed

63078 – GEM175ML5AA3-5

Metal Halide

1 – 175W MH M57 or M109 5-Tap (120/208/240/277/480V)

Order Code	GBID
63078	25399502
General Characteristics	
Ballast Type	Magnetic – Core and Coil
ANSI Lamp Codes	M57, H38, M109
Voltage	120/208/240/277/480
Line Voltage Regulation(+/-)	10%
Circuit Type	CWA
Insulation Class	180° C
Type of Capacitor	Oil filled
Capacitance	10 Mfd
Voltage (MIN)	400
Capacitor Temperature Rating	100°C (212°F)
Electrical Characteristics	
Supply Current Frequency	60 Hz

Specifications by lamp and line voltage					
Lamp	Specifications by line voltage				
	120	208	240	277	480
M57, M109	System Wattage (W)	202	202	202	202
	Nominal Current	1.70A	1.00A	0.90A	0.80A
	Ballast Factor	1	1	1	1
	Ballast Efficiency Factor	0.87	0.87	0.87	0.87
	Max Input Current	1.70A	1.00A	0.90A	0.80A
	Starting Current	0.60A	0.37A	0.32A	0.28A
	Open Circuit Voltage	307V	307V	307V	307V
	Drop Out Voltage	96V	166V	192V	222V
	Power Factor (>=) %	90	90	90	90
	Min. Starting Temp (°F/°C)	-22/-30	-22/-30	-22/-30	-22/-30
	Fuse Rating	5	3	3	2
	UL Bench Top Rise	D	C	C	C

Dimensions	
Length (L)	5.3 in (133 mm)
Width (W)	1.3 in (33 mm)
Mounting Dimensions	
Mount Length (M)	4.6 in (117 mm)
Mount Width (X or F)	
Mount Slots (MS)	0.3 in (8 mm)
A	3.0
B	4.0
Weight	8.0 lbs
Exit Type	Side
Nominal Length	3.2 in (83 mm)
Frame Size (H x L)	2.813 in x 3.939 in

- For 175W Metal Halide HID Lamps
- Magnetic ballast construction ideal for a wide variety of lighting applications
- Precision-wound coils, ensuring even heat dissipation and the highest electrical integrity
- 5-tap ballast (120, 208, 240, 277, or 480 volt) featuring a 480-volt tap

Safety and Performance

cUL Listed UL Listed

87211 – GEM250ML5AC3-5

Metal Halide

1 – 250W MH M58 5-Tap (120/208/240/277/480V)

- For 250W Metal Halide HID Lamps
- Magnetic ballast construction ideal for a wide variety of lighting applications
- Precision-wound coils, ensuring even heat dissipation and the highest electrical integrity
- Distributor replacement kit contains the appropriate core and coil with color coded leads, a properly rated capacitor and ignitor (if required) and all other components required for ballast replacement
- 5-tap ballast (120, 208, 240, 277, or 480 volt) featuring a 480-volt tap

Order Code	GBID
87211	99526604

General Characteristics	
Ballast Type	Magnetic – Core and Coil
ANSI Lamp Codes	M58
Voltage	120/208/240/277/480
Line Voltage Regulation(+/-)	10%
Circuit Type	CWA
Insulation Class	180° C
Type of Capacitor	Oil Filled
Capacitance	15 Mfd GECAP-15/400V-O
Voltage (MIN)	400
Capacitor Temperature Rating	100°C (212°F)
GE Igniter (Discontinued)	
Sound Rating	
Additional Info	

Electrical Characteristics	
Supply Current Frequency	60 Hz

Dimensions	
Length (L)	5.25 in (133 mm)
Width (W)	1.25 in (32 mm)

Mounting Dimensions	
Mount Length (M)	4.6 in (117 mm)
Mount Width (X or F)	
Mount Slots (MS)	0.25 in (6 mm)
A	3.0
B	4.3
Weight	9.0 lbs
Exit Type	Side
Nominal Length	3.2 in (83 mm)
Frame Size (H x L)	2.813 in x 3.939 in

Lead Lengths	
Orange	
Violet & Black	
Violet/White	
Black/Yellow	

Specifications by lamp and line voltage						
Lamp	Specifications by line voltage					
	120	208	240	277	480	
M58 250W Quartz Metal Halide	System Wattage (W)	280	280	280	280	280
	Nominal Current	2.50A	1.40A	1.25A	1.10A	0.65A
	Ballast Factor	1	1	1	1	1
	Ballast Efficiency Factor	0.89	0.89	0.89	0.89	0.89
	Max Input Current	2.60A	1.60A	1.30A	1.20A	0.70A
	Starting Current	1.50A	1.00A	0.80A	0.70A	0.50A
	Open Circuit Voltage	290V	290V	290V	290V	290V
	Drop Out Voltage	96V	166V	192V	222V	384V
	Power Factor (>=) %	90	90	90	90	90
	Min. Starting Temp (°F/°C)	-22/-30	-22/-30	-22/-30	-22/-30	-22/-30
	Fuse Rating	8	5	4	3	2
	UL Bench Top Rise	B	B	B	C	C



72300 – GEM400ML5AA4-5/2

Metal Halide

1 – 400W M59 or H33 5-Tap (120/208/240/277/480V) A1 C&C

- For 400W Metal Halide HID Lamps
- Magnetic ballast construction ideal for a wide variety of lighting applications
- Precision-wound coils, ensuring even heat dissipation and the highest electrical integrity
- Distributor replacement kit contains the appropriate core and coil with color coded leads, a properly rated capacitor and ignitor (if required) and all other components required for ballast replacement
- 5-tap ballast (120, 208, 240, 277, or 480 volt) featuring a 480-volt tap

Order Code	GBID
72300	25163965

General Characteristics

Ballast Type	Magnetic – Core and Coil
ANSI Lamp Codes	M59
Voltage	120/208/240/277/480
Line Voltage Regulation(+/-)	10%
Circuit Type	CWA
Insulation Class	Class H, 180°C or Class N, 200°C
Type of Capacitor	Oil Filled
Capacitance	24 Mfd GECAP-24/400V-O
Voltage (MIN)	450
Capacitor Temperature Rating	105°C (221°F)
GE Igniter (Discontinued)	
Sound Rating	
Additional Info	

Electrical Characteristics

Supply Current Frequency	60 Hz
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Dimensions	
Length (L)	5.25 in (133 mm)
Width (W)	1.25 in (32 mm)

Mounting Dimensions

Mount Length (M)	4.6 in (117 mm)
Mount Width (X or F)	
Mount Slots (MS)	0.25 in (6 mm)
A	2.17
B	3.90
Weight	10.8 lbs
Exit Type	Side
Nominal Length	3.7 in (95 mm)
Frame Size (H x L)	4.25 in x 4.75 in

Lead Lengths

Orange
Violet & Black
Violet/White
Black/Yellow

Specifications by lamp and line voltage

Lamp	Specifications by line voltage					
	120	208	240	277	480	
M59 400W Quartz Metal Halide 360W Quartz Metal Halide	System Wattage (W)	461	461	461	461	461
	Nominal Current	4.0A	2.3A	2.0A	1.75A	1.00A
	Ballast Factor	1	1	1	1	1
	Ballast Efficiency Factor	0.86	0.86	0.86	0.86	0.86
	Max Input Current	4.0A	2.3A	2.0A	1.75A	1.00A
	Starting Current	3.90A	3.90A	3.90A	3.90A	3.90A
	Open Circuit Voltage	300V	300V	300V	300V	300V
	Drop Out Voltage	580V	580V	580V	580V	580V
	Power Factor (>=) %	90	90	90	90	90
	Min. Starting Temp (°F/°C)	-22/-30	-22/-30	-22/-30	-22/-30	-22/-30
	Fuse Rating	8	5	4	3	2
	UL Bench Top Rise	D or A	D or A	D or A	D or A	D or A

Safety and Performance

cUL Listed UL Listed

87213 – GEM1000ML5AA5-5/2

Metal Halide

1 – 1000W MH M47 5-Tap (120/208/240/277/480V)

- For 1000W Metal Halide HID Lamps
- Magnetic ballast construction ideal for a wide variety of lighting applications
- Precision-wound coils, ensuring even heat dissipation and the highest electrical integrity
- Distributor replacement kit contains the appropriate core and coil with color coded leads, a properly rated capacitor and ignitor (if required) and all other components required for ballast replacement
- 5-tap ballast (120, 208, 240, 277, or 480 volt) featuring a 480-volt tap

Order Code	GBID
87213	99526605

General Characteristics	
Ballast Type	Magnetic – Core and Coil
ANSI Lamp Codes	M47
Voltage	120/208/240/277/480
Line Voltage Regulation(+/-)	10%
Circuit Type	CWA
Insulation Class	Class H, 180°C or Class N, 200°C
Type of Capacitor	Oil Filled
Capacitance	24 Mfd GECAP-24/480V-O
Voltage (MIN)	480
Capacitor Temperature Rating	105°C (221°F)
GE Igniter (Discontinued)	
Sound Rating	
Additional Info	

Electrical Characteristics	
Supply Current Frequency	60 Hz

Dimensions	
Length (L)	7.75 in (197 mm)
Width (W)	2.75 in (70 mm)

Mounting Dimensions	
Mount Length (M)	6.1 in (155 mm)
Mount Width (X or F)	
Mount Slots (MS)	0.25 in (6 mm)
A	3.0
B	5.0
Weight	21.0 lbs
Exit Type	Side
Nominal Length	3.7 in (95 mm)
Frame Size (H x L)	4.25 in x 6.00 in

Lead Lengths	
Orange	
Violet & Black	
Violet/White	
Black/Yellow	

Specifications by lamp and line voltage						
Lamp	Specifications by line voltage	120	208	240	277	480
M47 1000W Quartz Metal Halide	System Wattage (W)	1,050	1,050	1,050	1,050	1,050
	Nominal Current	9.00A	5.20A	4.50A	3.90A	2.25A
	Ballast Factor	1	1	1	1	1
	Ballast Efficiency Factor	0.91	0.91	0.91	0.91	0.91
	Max Input Current	9.00A	5.20A	4.50A	3.90A	2.25A
	Starting Current	5.60A	5.60A	5.60A	5.60A	5.60A
	Open Circuit Voltage	415V	415V	415V	415V	415V
	Drop Out Voltage	96V	166V	192V	222V	384V
	Power Factor (>=) %	90	90	90	90	90
	Min. Starting Temp (°F/°C)	-22/-30	-22/-30	-22/-30	-22/-30	-22/-30
	Fuse Rating	18	10	9	7	5
	UL Bench Top Rise	D or A	D or A	D or A	D or A	D or A

Electromagnetic HID Ballasts



86693 – GEM150048TAC5M5-5

Metal Halide

1 – 1500W MH M48 480

- For 1500W Metal Halide HID Lamps
- Magnetic ballast construction ideal for a wide variety of lighting applications
- Precision-wound coils, ensuring even heat dissipation and the highest electrical integrity
- Distributor replacement kit contains the appropriate core and coil with color coded leads, a properly rated capacitor and ignitor (if required) and all other components required for ballast replacement

Order Code		GBID	Dimensions	
86693		99426644	Length (L)	6.0 in (152 mm)
			Width (W)	5.8 in (147 mm)
			Height (H)	4.3 in (109 mm)
			Weight	29.8 lbs
			Exit Type	Side
General Characteristics				
Ballast Type	Magnetic – Core and Coil			
ANSI Lamp Codes	M48			
Voltage	480			
Line Voltage Regulation(+/-)	10%			
Circuit Type	CWA			
Insulation Class	180°C			
Type of Capacitor	Oil Filled			
Capacitance	32 Mfd GECAP-32/525V-O			
Voltage (MIN)	525			
Capacitor Temperature Rating	100°C (212°F)			
GE Igniter (Discontinued)				
Sound Rating				
Additional Info				
Electrical Characteristics				
Supply Current Frequency	60 Hz			

Specifications by lamp and line voltage		
Lamp	Specifications by line voltage	
		480
	System Wattage (W)	1,581
	Nominal Current	3.10A
	Ballast Factor	1
	Ballast Efficiency Factor	0.95
	Max Input Current	3.10A
M48	Starting Current	3.18A
1500W Quartz	Open Circuit Voltage	449V
Metal Halide	Drop Out Voltage	384V
	Power Factor (>=) %	90
	Min. Starting Temp (°F/°C)	-22/-30
	Fuse Rating	10
	UL Bench Top Rise	G

Safety and Performance

cUL Listed UL Listed

86698 – GEM1500MLTAC5-5

Metal Halide

1 – 1500W MH M48 Quad (120/208/240/277V)

- For 1500W Metal Halide HID Lamps
- Magnetic ballast construction ideal for a wide variety of lighting applications
- Precision-wound coils, ensuring even heat dissipation and the highest electrical integrity
- Distributor replacement kit contains the appropriate core and coil with color coded leads, a properly rated capacitor and ignitor (if required) and all other components required for ballast replacement
- Quad ballast (120, 208, 240, 277)

Order Code	GBID
86698	99426661

General Characteristics	
Ballast Type	Magnetic – Core and Coil
ANSI Lamp Codes	M48
Voltage	240/277
Line Voltage Regulation(+/-)	10%
Circuit Type	CWA
Insulation Class	180°C
Type of Capacitor	Oil Filled
Capacitance	32 Mfd GECAP-32/525V-O
Voltage (MIN)	525
Capacitor Temperature Rating	100°C (212°F)
GE Igniter (Discontinued)	
Sound Rating	
Additional Info	

Electrical Characteristics	
Supply Current Frequency	60 Hz

Dimensions	
Length (L)	3.9 in (99 mm)
Width (W)	1.0 in (25 mm)
Height (H)	2.8 in (71 mm)
Mounting Dimensions	
Mount Length (M)	6.1 in (155 mm)
Mount Width (X or F)	
Mount Slots (MS)	0.25 in (6 mm)
A	4.0
B	6.0
Weight	30.0 lbs
Exit Type	Side
Nominal Length	5.2 in (133 mm)
Frame Size (H x L)	4.25 in x 6.00 in

Specifications by lamp and line voltage					
Lamp	Specifications by line voltage	120	208	240	277
M48 1500W Quartz Metal Halide	System Wattage (W)	1,602	1,602	1,602	1,602
	Nominal Current	13.70A	7.70A	6.80A	6.00A
	Ballast Factor	1	1	1	1
	Ballast Efficiency Factor	0.94	0.94	0.94	0.94
	Max Input Current	13.70A	7.70A	6.80A	6.00A
	Starting Current	12.95A	7.46A	6.52A	5.75A
	Open Circuit Voltage	440V	440V	440V	440V
	Drop Out Voltage	96V	166V	192V	222V
	Power Factor (>=) %	90	90		90
	Min. Starting Temp (°F/°C)	-22/-30	-22/-30	-22/-30	-22/-30
	Fuse Rating	40	25	20	20
	UL Bench Top Rise	A	A	A	A

Electromagnetic HID Ballasts



67347 – GEP400MLTAA4-5/2

Pulse Start

1 – 400W PS M135/M155 Quad (120/208/240/277V)

- For 400W Pulse Start Metal Halide HID Lamps
- Magnetic ballast construction ideal for a wide variety of lighting applications
- Precision-wound coils, ensuring even heat dissipation and the highest electrical integrity
- Distributor replacement kit contains the appropriate core and coil with color coded leads, a properly rated capacitor and ignitor (if required) and all other components required for ballast replacement
- Quad ballast (120, 208, 240, 277)

Order Code	GBID
67347	25482535

General Characteristics	
Ballast Type	Magnetic – Core and Coil
ANSI Lamp Codes	M135/M155
Voltage	120/208/240/277
Line Voltage Regulation(+/-)	10%
Circuit Type	CWA
Insulation Class	Class H, 180°C or Class N, 200°C
Type of Capacitor	Oil Filled
Capacitance	24 Mfd GECAP-24/400V-O
Voltage (MIN)	450
Capacitor Temperature Rating	105°C (221°F)
GE Igniter (Discontinued)	MH350-1A
Sound Rating	
Additional Info	

Electrical Characteristics	
Supply Current Frequency	60 Hz

Dimensions	
Length (L)	5.25 in (133 mm)
Width (W)	1.25 in (32 mm)
Mounting Dimensions	
Mount Length (M)	4.6 in (117 mm)
Mount Width (X or F)	
Mount Slots (MS)	0.25 in (6 mm)
A	2.17
B	3.90
Weight	10.80 lbs
Exit Type	Side
Nominal Length	4.6 in (119 mm)
Frame Size (H x L)	4.25 in x 4.75 in

Specifications by lamp and line voltage					
Lamp	Specifications by line voltage				
	120	208	240	277	
M135/M155	System Wattage (W)	457	457	457	457
	Nominal Current	4.00A	2.30A	2.00A	1.75A
	Ballast Factor	1	1	1	1
	Ballast Efficiency Factor	0.87	0.87	0.87	0.87
	Max Input Current	4.00A	2.30A	2.00A	1.75A
	Starting Current	3.80A	3.80A	3.80A	3.80A
	Open Circuit Voltage	300V	300V	300V	300V
	Drop Out Voltage	580V	580V	580V	580V
	Power Factor (>=) %	90	90	90	90
	Min. Starting Temp (°F/°C)	-20/-30	-20/-30	-20/-30	-20/-30
	Fuse Rating	8	5	4	3
	UL Bench Top Rise	A or D	A or D	A or D	A or D

Safety and Performance

cUL Listed UL Listed

87214 – GES250ML5AA4-5

High Pressure Sodium

1 – 250W HPS S50 5-Tap (120/208/240/277/480V)

- For 250W High Pressure Sodium HID Lamps
- Magnetic ballast construction ideal for a wide variety of lighting applications
- Precision-wound coils, ensuring even heat dissipation and the highest electrical integrity
- Distributor replacement kit contains the appropriate core and coil with color coded leads, a properly rated capacitor and ignitor (if required) and all other components required for ballast replacement
- 5-tap ballast (120, 208, 240, 277, or 480 volt) featuring a 480-volt tap

Order Code	GBID
87214	99526606

General Characteristics

Ballast Type	Magnetic – Core and Coil
ANSI Lamp Codes	S50
Voltage	120/208/240/277/480
Line Voltage Regulation(+/-)	10%
Circuit Type	CWA
Insulation Class	180°C
Type of Capacitor	Oil Filled
Capacitance	35 Mfd GECAP-35/240V-O
Voltage (MIN)	240
Capacitor Temperature Rating	100°C (212°F)
GE Igniter (Discontinued)	HPS400-3A
Sound Rating	
Additional Info	

Electrical Characteristics

Supply Current Frequency	60 Hz
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Dimensions	
Length (L)	5.25 in (133 mm)
Width (W)	1.25 in (32 mm)

Mounting Dimensions

Mount Length (M)	4.6 in (117 mm)
Mount Width (X or F)	
Mount Slots (MS)	0.25 in (6 mm)
A	2.0
B	4.0
Weight	12.0 lbs
Exit Type	Side
Nominal Length	3.7 in (95 mm)
Frame Size (H x L)	4.25 in x 4.75 in

Lead Lengths

Orange
Violet & Black
Violet/White
Black/Yellow

Specifications by lamp and line voltage

Lamp	Specifications by line voltage					
S50 250W High Pressure Sodium		120	208	240	277	480
	System Wattage (W)	292	292	292	292	292
	Nominal Current	2.50A	1.50A	1.30A	1.10A	0.60A
	Ballast Factor	1	1	1	1	1
	Ballast Efficiency Factor	0.86	0.86	0.86	0.86	0.86
	Max Input Current	2.50A	1.50A	1.30A	1.10A	0.60A
	Starting Current	1.59A	0.93A	0.81A	0.70A	0.40A
	Open Circuit Voltage	186V	186V	186V	186V	186V
	Drop Out Voltage	96V	166V	192V	222V	384V
	Power Factor (>=) %	90	90	90	90	90
	Min. Starting Temp (°F/°C)	-22/-30	-22/-30	-22/-30	-22/-30	-22/-30
	Fuse Rating	8	5	4	4	4
UL Bench Top Rise	C	C	B	B	B	

Electromagnetic HID Ballasts



63066 – GES400ML5AA4-5 (replaces 87215)

High Pressure Sodium

1 – 400W HPS S51 5-Tap (120/208/240/277/480V)

- For 400W High Pressure Sodium HID Lamps
- Magnetic ballast construction ideal for a wide variety of lighting applications
- Precision-wound coils, ensuring even heat dissipation and the highest electrical integrity
- Distributor replacement kit contains the appropriate core and coil with color coded leads, a properly rated capacitor and ignitor (if required) and all other components required for ballast replacement
- 5-tap ballast (120, 208, 240, 277, or 480 volt) featuring a 480-volt tap

Order Code		GBID		Dimensions	
63066		25399500		Length (L)	5.25 in (133 mm)
				Width (W)	1.25 in (32 mm)
General Characteristics				Mounting Dimensions	
Ballast Type	Magnetic – Core and Coil			Mount Length (M)	4.6 in (117 mm)
ANSI Lamp Codes	S51			Mount Width (X or F)	
Voltage	120/208/240/277/480			Mount Slots (MS)	0.25 in (6 mm)
Line Voltage Regulation(+/-)	10%			A	2.0
Circuit Type	CWA			B	4.0
Insulation Class	180°C			Weight	15.0 lbs
Type of Capacitor	Oil Filled			Exit Type	Side
Capacitance	55 Mfd GECAP-55/240V-O			Nominal Length	4.2 in (108 mm)
Voltage (MIN)	240			Frame Size (H x L)	4.25 in x 4.75 in
Capacitor Temperature Rating	100°C (212°F)			Lead Lengths	
GE Igniter (Discontinued)	HPS400-3A 86641			Orange	
Sound Rating				Violet & Black	
Additional Info				Violet/White	
Electrical Characteristics				Black/Yellow	
Supply Current Frequency	60 Hz				

Specifications by lamp and line voltage						
Lamp	Specifications by line voltage					
	120	208	240	277	480	
S51 400W High Pressure Sodium	System Wattage (W)	472	472	472	472	472
	Nominal Current	4.00A	2.20A	2.00A	1.70A	1.00A
	Ballast Factor	1	1	1	1	1
	Ballast Efficiency Factor	0.85	0.85	0.85	0.85	0.85
	Max Input Current	4.00A	2.20A	2.00A	1.70A	1.00A
	Starting Current	2.87A	1.66A	1.44A	1.25A	0.72A
	Open Circuit Voltage	191V	191V	191V	191V	191V
	Drop Out Voltage	96V	166V	192V	222V	384V
	Power Factor (>=) %	90	90	90	90	90
	Min. Starting Temp (°F/°C)	-22/-30	-22/-30	-22/-30	-22/-30	-22/-30
	Fuse Rating	15	8	8	5	5
	UL Bench Top Rise	C	C	C	C	C

Safety and Performance

cUL Listed UL Listed

87218 – GES1000ML5AA5-5

High Pressure Sodium

1 – 1000W HPS S52 5-Tap (120/208/240/277/480V)

- For 1000W High Pressure Sodium HID Lamps
- Magnetic ballast construction ideal for a wide variety of lighting applications
- Precision-wound coils, ensuring even heat dissipation and the highest electrical integrity
- Distributor replacement kit contains the appropriate core and coil with color coded leads, a properly rated capacitor and ignitor (if required) and all other components required for ballast replacement
- 5-tap ballast (120, 208, 240, 277, or 480 volt) featuring a 480-volt tap

Order Code	GBID
87218	99526608

General Characteristics	
Ballast Type	Magnetic – Core and Coil
ANSI Lamp Codes	S52
Voltage	120/208/240/277/480
Line Voltage Regulation(+/-)	10%
Circuit Type	CWA
Insulation Class	180°C
Type of Capacitor	Oil Filled
Capacitance	26 Mfd GECAP-26/525V-O
Voltage (MIN)	525
Capacitor Temperature Rating	100°C (212°F)
GE Igniter (Discontinued)	HPS1000-4B
Sound Rating	
Additional Info	

Electrical Characteristics	
Supply Current Frequency	60 Hz

Dimensions	
Length (L)	7.75 in (197 mm)
Width (W)	2.75 in (70 mm)
Mounting Dimensions	
Mount Length (M)	6.1 in (155 mm)
Mount Width (X or F)	
Mount Slots (MS)	0.25 in (6 mm)
A	4.0
B	6.0
Weight	28.0 lbs
Exit Type	Side
Nominal Length	4.7 in (121 mm)
Frame Size (H x L)	4.25 in x 6.00 in
Lead Lengths	
Orange	
Violet & Black	
Violet/White	
Black/Yellow	

Specifications by lamp and line voltage						
Lamp	Specifications by line voltage					
	120	208	240	277	480	
S52 1000W High Pressure Sodium	System Wattage (W)	1,102	1,102	1,102	1,102	1,102
	Nominal Current	9.50A	5.50A	4.70A	4.10A	2.40A
	Ballast Factor	1	1	1	1	1
	Ballast Efficiency Factor	0.91	0.91	0.91	0.91	0.91
	Max Input Current	9.50A	5.50A	4.70A	4.10A	2.40A
	Starting Current	5.75A	3.40A	2.90A	2.60A	1.80A
	Open Circuit Voltage	435V	435V	435V	435V	435V
	Drop Out Voltage	96V	166V	192V	222V	384V
	Power Factor (>=) %	90	90	90	90	90
	Min. Starting Temp (°F/°C)	-22/-30	-22/-30	-22/-30	-22/-30	-22/-30
	Fuse Rating	20	15	10	10	8
	UL Bench Top Rise	D	D	D	D	D

Lamp Size/Diameter

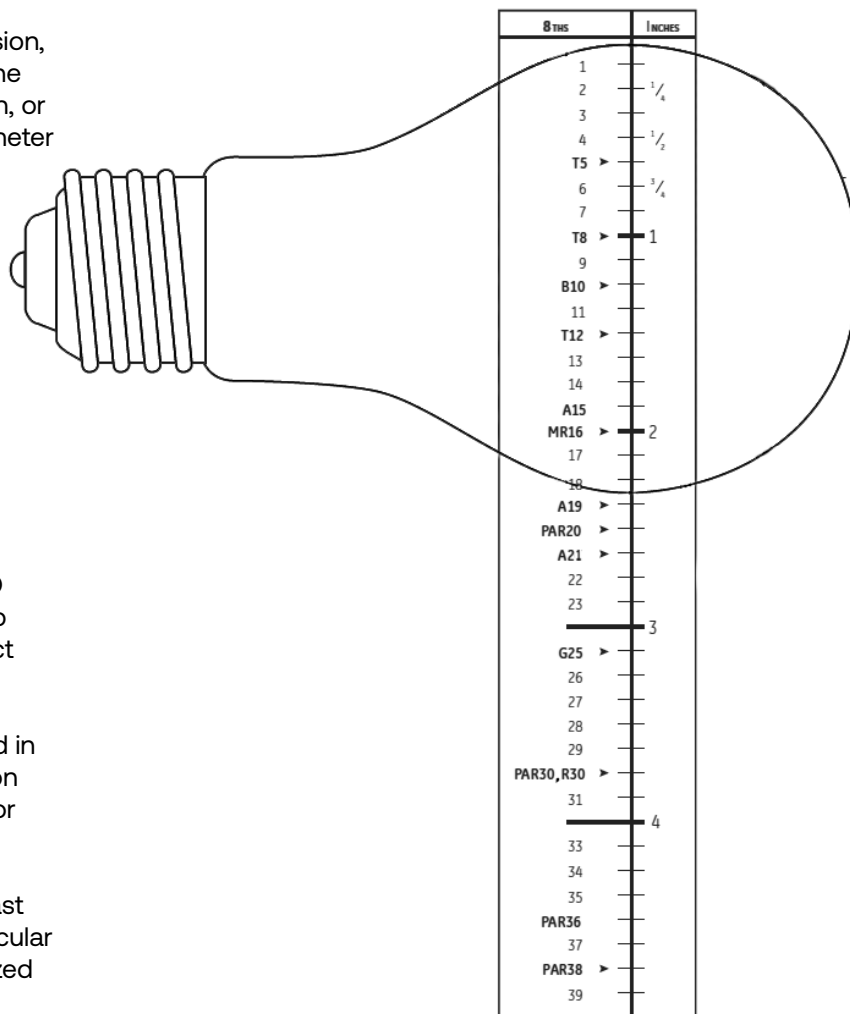
The diameter of a lamp, at its maximum dimension, is expressed in eighths of an inch. Examples: The diameter of an A19 lamp is 19-eighths of an inch, or 2-3/8", at its widest point. A T8 lamp has a diameter of 8-eighths, or one inch.

Important Notice

This catalog is a compilation of accumulated data. Additional information is constantly being uncovered through research and testing, which may modify the data given herein. This is particularly true of newer lamps and ballasts. Accordingly, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. For the latest lamp and ballast design data and information, contact your Current representative.

The data and suggested applications contained in this catalog, as well as any additional information our representative may be able to furnish, are for general information only and are not intended and should not be taken as representations or warranties as to the suitability of a lamp or ballast for any particular application or use in any particular equipment, nor are our representatives authorized to make any such warranties. Applications and conditions of use are many and varied, and beyond our control. We cannot possibly have the same degree of knowledge that the purchaser has with respect to the design of his equipment and the conditions of its use. Therefore, it is up to the purchaser to make its own determination as to the suitability of a lamp or ballast for his intended application or use and to assume the responsibility for that determination.

Current desires to supply the best possible products at all times. For this reason, Current reserves the right to make changes in its products and to introduce new products or discontinue existing ones without notice.





Ambient Temperature

Ambient temperature which refers to the temperature inside the fixture in the air surrounding the fluorescent lamp or LED. Fluorescent lamp light output and LED life are affected by the ambient temperature.

Amperes

("Amps") A measure of electrical current. In incandescent lamps, the current is related to voltage and power as follows: Watts (power) = Volts x Amps (current).

ANSI (American National Standards Institute)

A consensus-based organization which coordinates voluntary standards for the physical, electrical and performance characteristics of lamps, ballasts, luminaires and other lighting and electrical equipment.

ANSI Ballast Type

A reference to the ANSI document describing the lamp which also lists the characteristics of the ballast required to operate the lamp. Technically, therefore, it is incorrect to refer to "Ballast Type" with the ANSI code but this misuse is common. The following naming system is used: H – mercury lamps; M – metal halide lamps; S – high pressure sodium lamps; L – low pressure sodium lamps.

Ballast

An auxiliary piece of equipment required to start and to properly control the flow of current to gas discharge light sources such as fluorescent and high intensity discharge (HID) lamps. Typically, magnetic ballasts (also called electromagnetic ballasts) contain copper windings on an iron core while electronic ballasts are smaller and more efficient and contain electronic components.

Ballast Efficacy Factor (BEF)

Defined as ballast factor x 100 divided by input watts. The value is used to evaluate various lighting systems based on light output and power input. The BEF can only be used to compare systems operating the same type and quantity of lamps.

Ballast Factor (BF)

This is the percentage of a lamp's rated lumen output that can be expected when operated on a specific, commercially available ballast. Note that the "rated output" is sometimes measured on a reference ballast unlike ones that actually operate the lamp in the field. For example, a ballast with a ballast factor of 0.93 will result in the lamp's emitting 93% of its rated lumen output. A ballast with a lower BF results in less light output and also generally consumes less power.

Beam Angle

The angular dimension of the cone of light from reflectorized lamps (such as R and PAR types) encompassing the central part of the beam out to the angle where the intensity is 50% of maximum. The beam angle (sometimes called "beam spread") is often part of the ordering code for reflectorized lamps. Example: The 50PAR30/HIR/NFL25 is a 50 watt PAR30 narrow flood lamp with a beam angle of 25 degrees, i.e. 12.5 degrees on either side of the center (see FIELD ANGLE).

Bi-Pin

Any base with two metal pins for electrical contact. This is the typical base for a fluorescent tube of 1 to 4 feet in length. It consists of 2 prong contacts that connect into the fixture. Medium bi-pins are used with type T-8 and T-12 tubular fluorescent lamps and miniature bi-pins are used for tubular T-5 fluorescent lamps.

Candela (cd)

The measure of luminous intensity of a source in a given direction. The term has been retained from the early days of lighting when a standard candle of a fixed size and composition was defined as producing one candela in every direction. A plot of intensity versus direction is called a candela distribution curve and is often provided for reflectorized lamps and for luminaires with a lamp operating in them.

Candlepower

An obsolete term for luminous intensity; current practice is to refer to this simply as candelas (see CANDELA).

Center Beam Candlepower (CBCP)

Refers to the luminous intensity at the center of the beam of a blown or pressed reflector lamp (such as a PAR lamp). Measured in candelas (see CANDELA).

Color Rendering Index (CRI)

A measure of the ability of a light source to render object colors faithfully in comparison with a designated standard light source. Incandescent objects and daylight are both considered "standard" sources. Note that "standard" is defined for convenience in reproducibility rather than being based on user preference.

Color Temperature (Correlated Color Temperature – CCT)

A number indicating the degree of "yellowness" or "blueness" of a white light source. Measured in Kelvins, CCT represents the temperature an incandescent object (like a filament) must reach to mimic the color of the lamp. Yellowish-white ("warm") sources, like incandescent lamps, have lower color temperatures in the 2700K–3000K range; white and bluish-white ("cool") sources, such as cool white (4100K) and natural daylight (6000K), have higher color temperatures. The higher the color temperature the whiter, or bluer, the light will be.

Crest Factor (Lamp Current Crest Factor)

Ratio of peak to RMS for any AC waveform. Crest factor can refer to voltage crest factor or current crest factor.

Current Type (AC/DC)

Whether the operational voltage is based on Alternating Current or Direct Current.

Efficacy

A measurement of how effective the light source is in converting electrical energy to lumens of visible light. Expressed in lumens-per-watt (LPW), this measure gives more weight to the yellow region of the spectrum and less weight to the blue and red regions where the eye is not as sensitive. The efficiency of a light source is simply the fraction of electrical energy converted to light, i.e. watts of visible light produced for each watt of electrical power with no concern about the wavelength where the energy is being radiated. For example, a 100-watt incandescent lamp converts 7% of the electrical energy into light; discharge lamps convert 25% to 40% into light.

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Efficiency (Continued)

percentage of the lamp lumens that actually comes out of the fixture (see LUMINAIRE EFFICIENCY).

Electromagnetic Spectrum

A continuum of electric and magnetic radiation that can be characterized by wavelength or frequency. Visible light encompasses a small part of the electromagnetic spectrum in the region from about 380 nanometers (violet) to 770 nanometers (red) by wavelength.

Electromagnetic Interference (EMI)

High-frequency electronic ballasts and other electronic devices can produce a small amount of radio waves that can interfere with radio and TV. Federally-mandated requirements must be met for EMI levels before an electronic device is considered FCC compliant (FCC is the Federal Communications Commission).

Federal Communications Commission (FCC)

The U. S. federal agency that regulates emissions in the radio frequency portion of the electromagnetic spectrum. Part 18 of the FCC rules specifies electromagnetic interference (EMI) from lighting devices at frequencies greater than 450 kilohertz (kHz). A consumer-rated Class B ballast is designed for use in the home near TV and radio receivers. It produces less electrical noise that could interfere with consumer products. A Class A-rated ballast is designed for use in commercial and industrial applications that are not in the vicinity of TV and radio receivers.

Field Angle

The angular dimension of the cone of light from reflectorized lamps (such as R and PAR types) encompassing the central part of the beam out to the angle where the intensity is 10% of maximum (see BEAM ANGLE).

Footcandle (fc)

A unit of illuminance or light falling onto a surface. It stands for the light level on a surface one foot from a standard candle. One footcandle is equal to one lumen per square foot (see LUX).

Frequency

Rate of alternation in an AC current. Expressed in cycles per second or Hertz (Hz).

Glare

Visual discomfort caused by excessive brightness is called discomfort glare. If task performance is affected it is called disability glare. Glare can be direct glare or indirect (reflected) glare.

Harmonic

An integral multiple of the fundamental frequency (60 Hz) that becomes a component of the current. Harmonic Distortion (see TOTAL HARMONIC DISTORTION or THD).

Hertz (Hz)

Unit used to measure frequency of alteration of current or voltage, in cycles per second.

Ignitor

An electronic device providing a high voltage pulse to initiate an electrical discharge. Typically, the ignitor is paired with or is a part of the ballast.

Illuminance

The "density" of light (lumens/area) incident on a surface; i.e. the light level on a surface. Illuminance is measured in footcandles or lux.

Input Voltage

Power supply voltage required for proper operation of fluorescent or HID ballast.



Input Watts

The total power input to the ballast that includes lamp watts and ballast losses. The total power input to the fixture is the input watts to the ballast or ballasts and is the value to be used when calculating cost of energy and air conditioning loads. More than 90% of the input watts is wattage or power delivered to the lamp load with typical ballast.

Instant Start

A type of ballast designed to start fluorescent lamps as soon as the power is applied. Most T8 fluorescent lamps are being operated on electronic instant-start ballasts. Slimline fluorescent lamps operate only on instant-start circuits.

Kelvins (see COLOR TEMPERATURE).

L70, L85, etc.

L70 (or L85, etc.): The elapsed operating time over which a population of LED light sources will maintain 70% (or 85%) of its initial light output. This 70% number represents the expected median light output (which is close to the average light output) of the tested LED light source population. The value is often stated using the form L70(10K)= 50,000 Hours; this means that the LED light source's median light output reaches 70% of the initial light output at 50,000 Hours based on 10,000 hours of test data using TM-21 projection methods. When the L70 value is stated as "Reported" it means that tests have gone to at least 1/6th of the reported time as required by IESNA's TM-21 methodology. On the other hand, manufacturers will sometimes state a "Calculated" value of L70 which means they are using mathematical curve fitting and projection methods of TM-21 to project beyond 6 times the available test hours.

Lamp Watts

Power dissipated in the lamp—some of which is converted to light, some to heat and some to ultraviolet.

LED

Light Emitting Diode used as the primary light source in a wide array of LED lighting products. Also referred to as SSL (Solid State Lighting).

LED Tube Beam Angle

The angle between the two opposite directions in which the average intensity is 50% of the center beam intensity as measured in the azimuthal plane perpendicular to and at the center of the linear replacement lamp axis.

Life (see RATED LAMP LIFE).

Light Center Length (L.C.L.)

The distance between the center of the filament, or arc tube and a reference plane—usually the bottom of the lamp base.

Light Emitting Diode (LED)

A solid that directly converts electrical impulses into light.

LM79

Test procedures specified by the Illuminating Engineering Society for measurements on LED products (complete assembled systems) of lumens, watts and color in actual operating environments.

LM80

Test procedures specified by the Illuminating Engineering Society for measuring lumen depreciation of LED sources, arrays and modules—not luminaires.

Lumen

A measure of luminous flux or quantity of light emitted by a source.

Lumen Depreciation, Lumen Maintenance

A measure of how well a lamp maintains its light output over time. It may be expressed numerically or as a graph of light output vs. time. The "mean lumens" of a lamp is the lumens at 40% of rated life (50% for HPS lamp).

Lumens Per Watt (LPW)

A ratio expressing the luminous efficacy of a light source.

Luminance

A photometric measure of "brightness" of a surface as seen by the observer, measured in candelas per square meter.

Luminous Efficacy

The light output (lumens) of a light source divided by the total power input (watts) to that source. It is expressed in lumens per watt (see LUMENS PER WATT).

Lux (lx)

A unit of illuminance or light falling onto a surface. Lux stands for the light level on a surface one meter from a standard candle. One lux is equal to one lumen per square meter. Ten lux approximately equals one footcandle (see FOOTCANDLE).

Maximum Overall Length (M.O.L.)

The end-to-end measurement of a lamp, expressed in inches or millimeters.

Mean Lumens

The average light output of a lamp over its rated life. Based on the shape of the lumen depreciation curve, for fluorescent and metal halide lamps, mean lumens are measured at 40% of rated lamp life. For mercury, high-pressure sodium and incandescent lamps, mean lumen ratings refer to lumens at 50% of rated lamp life (see LUMEN MAINTENANCE).

Medium Base

Usually refers to the screw base typically used in household incandescent lamps. There is also the medium bi-pin base commonly used in T12 and T8 fluorescent lamps.

Mogul Base

A screw base used on larger lamps, e.g. many HID lamps.

PAR Lamp

PAR is an acronym for parabolic aluminized reflector. A PAR lamp, which may utilize either an incandescent filament, a halogen filament tube or an HID arc tube, is a precision pressed-glass reflector lamp. PAR lamps rely on both the internal reflector and prisms in the lens for the control of the light beam. Today it is common to refer to LED replacement products for PAR lamps as "LED PAR Lamps" even though there may be no parabolic reflector in the package.

Parallel Lamp Operation/Parallel Wiring

Refers to ballasts that employ multiple output current paths from a single ballast to allow lamps to operate independent of one another, allowing other lamps operated by the ballast to remain lit should companion lamp(s) fail (see SERIES LAMP OPERATION).

PCB (Polychlorinated Biphenyls)

Chemical pollutant formerly used in ballast capacitors that were part of ballasts. It is now illegal to use PCBs and most such ballasts have been replaced over time.

Photopic (see SCOTOPIC/PHOTOPIC).

Power Factor (PF)

A measure of the phase difference between voltage and current drawn by an electrical device, such as a ballast or motor. Power factors can range from 0 to 1.0 with 1.0 being ideal. Power factor is sometimes expressed as a percent. Incandescent lamps have power factors close to 1.0 because they are simple "resistive" loads. The power factor of a fluorescent and HID lamp system is determined by the ballast used. "High" power factor usually means a rating of 0.9 or greater. Power companies may penalize users for using low-power-factor devices.

Preheat Circuit

A type of fluorescent lamp-ballast circuit used with the first commercial fluorescent lamp products. A push button or automatic switch is used to preheat the lamp cathodes. Starting the lamp can then be accomplished using simple "choke" or reactor ballasts. A preheat fluorescent lamp is one in which the filament must be heated by use of a starter before the arc is created. These lamps are typically operated with electromagnetic ballasts.

Programmed Rapid Start

Lamp starting method which preheats the lamp filaments while not allowing the lamp to ignite and then applies the open circuit voltage (OCV) to start the lamp. The user may experience a half- to one-second delay after turning on the lamps while the preheating takes place. This type of starting circuit keeps lamp end blackening to a minimum and improves lamp life performance, especially in applications where the lamps are frequently switched on and off.

Pulse Start

A lamp that requires an HID ballast with a high-voltage ignitor to start the lamp.

Rapid Start

Lamp starting method in which lamp filaments are heated while open circuit voltage (OCV) is applied to facilitate lamp ignition. A Rapid Start fluorescent lamp has two pins at each end connected to the filament. Some rapid start lamps may be instant-started without filament heat, for example, the F32T8 lamp.

Rated Lamp Life

For most lamp types, rated lamp life is the length of time of a statistically large sample between first use and the point when 50% of the lamps have died (see L70 for LED Lamps).

Reflector Lamp (R)

A light source with a built-in reflecting surface. Sometimes, the term is used to refer specifically to blown bulbs like the "R" and "ER" lamps; at other times, it includes all reflectorized lamps like PAR and MR.

Series Lamp Operation

Refers to ballasts that employ a single current path passing through all lamps operated by the ballast. If one lamp should fail, companion lamps operated by the same ballasts will also extinguish or dim.

Specification Series (SP) Colors

Energy-efficient, all-purpose tri-phosphor fluorescent lamp colors that provide good color rendering. The CRI for SP colors is 70 or above and varies by specific lamp type.

Specification Series Deluxe (SPX) Colors

Energy-efficient tri-phosphor fluorescent lamp colors that provide better color rendering than Specification Series (SP) colors. The CRI for SPX colors is 80 or higher and varies by specific lamp type.

**Spectral Power Distribution (SPD)**

A graph of the radiant power emitted by a light source as a function of wavelength. SPDs provide a visual profile or "fingerprint" of the color characteristics of the source throughout the visible part of the spectrum. Also called "spectral curve" or "spectrum."

TCLP Test

The Toxicity Characteristic Leaching Procedure (TCLP) test, specified in the Resource Conservation and Recovery Act (RCRA) of 1990, is used to characterize fluorescent lamp waste as hazardous or nonhazardous waste. The TCLP test measures the ability of the mercury and/or lead in a lamp to leach from a landfill into ground water.

THD (see TOTAL HARMONIC DISTORTION).

TM21

Technical Memorandum developed by the Illuminating Engineering Society to provide method for projecting lumen maintenance of an LED source, array or module as a function of temperature. This will allow LED Luminaire manufacturers to predict lumen depreciation in their fixtures, based on the operating temperature of the LED in that package. See also, "L70, L85, etc."

Total Harmonic Distortion (THD)

A measure of the distortion of the input current on alternating current (AC) power systems caused by higher order harmonics of the fundamental frequency (60Hz in North America). THD is expressed in percent and may refer to individual electrical loads (such as a ballast) or a total electrical circuit or system in a building. ANSI C82.77 recommends THD not exceed 32% for individual commercial electronic ballasts, although some electrical utilities may require lower THDs on some systems. Excessive THDs on electrical systems can cause efficiency losses as well as overheating and deterioration of system components.

Voltage

A measurement of the electromotive force in an electrical circuit or device expressed in volts. Voltage can be thought of as being analogous to the pressure in a waterline.

Watt

A unit of electrical power. Lamps are rated in watts to indicate the rate at which they consume energy.

COLOR SAMPLES



The following pages are provided for comparing light sources. Recent studies have found that color preference is largely dictated by color fidelity and saturation, with reds being particularly important. Current's TriGain® technology provides superior color and performance.



COLOR SAMPLES

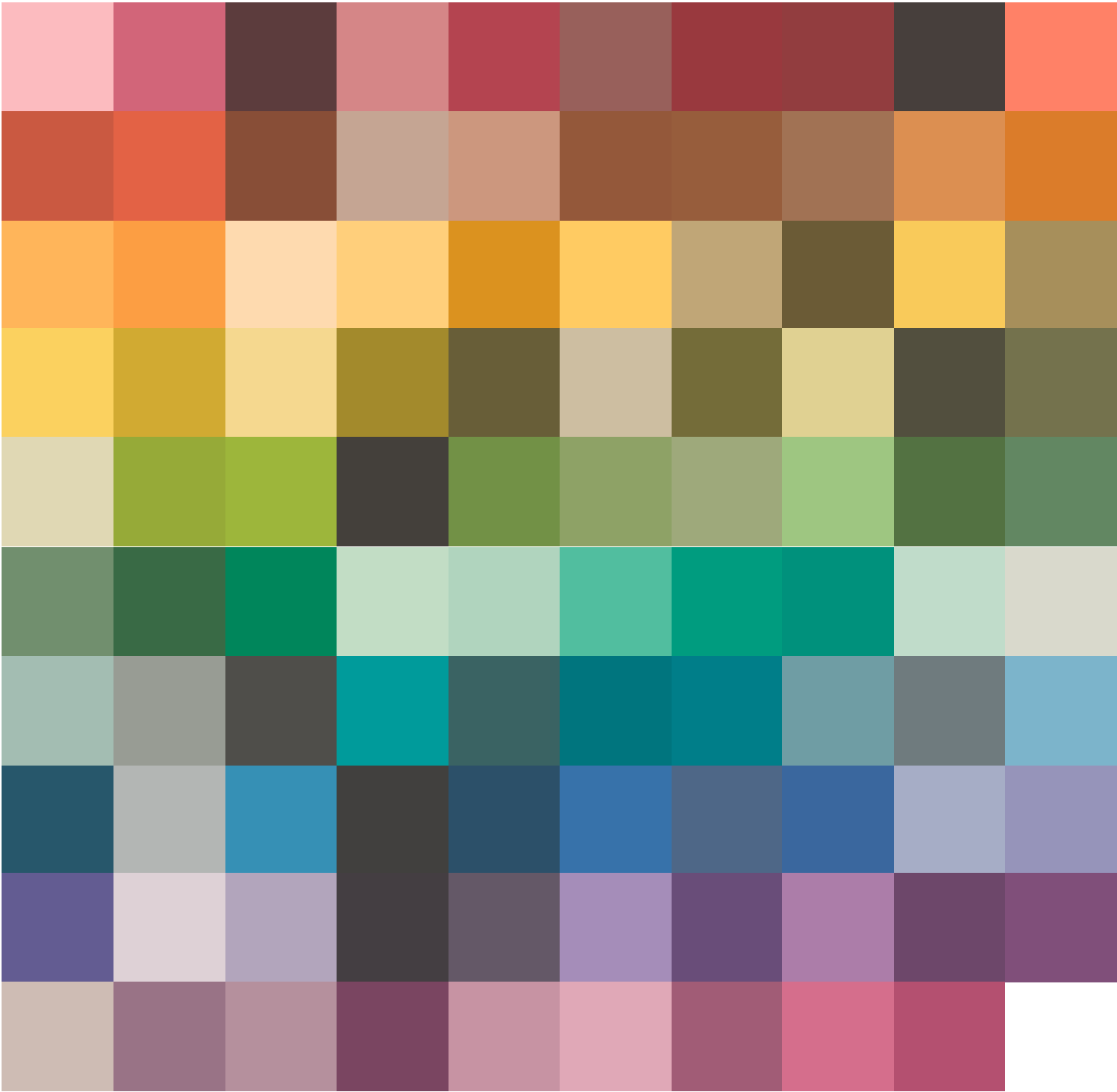


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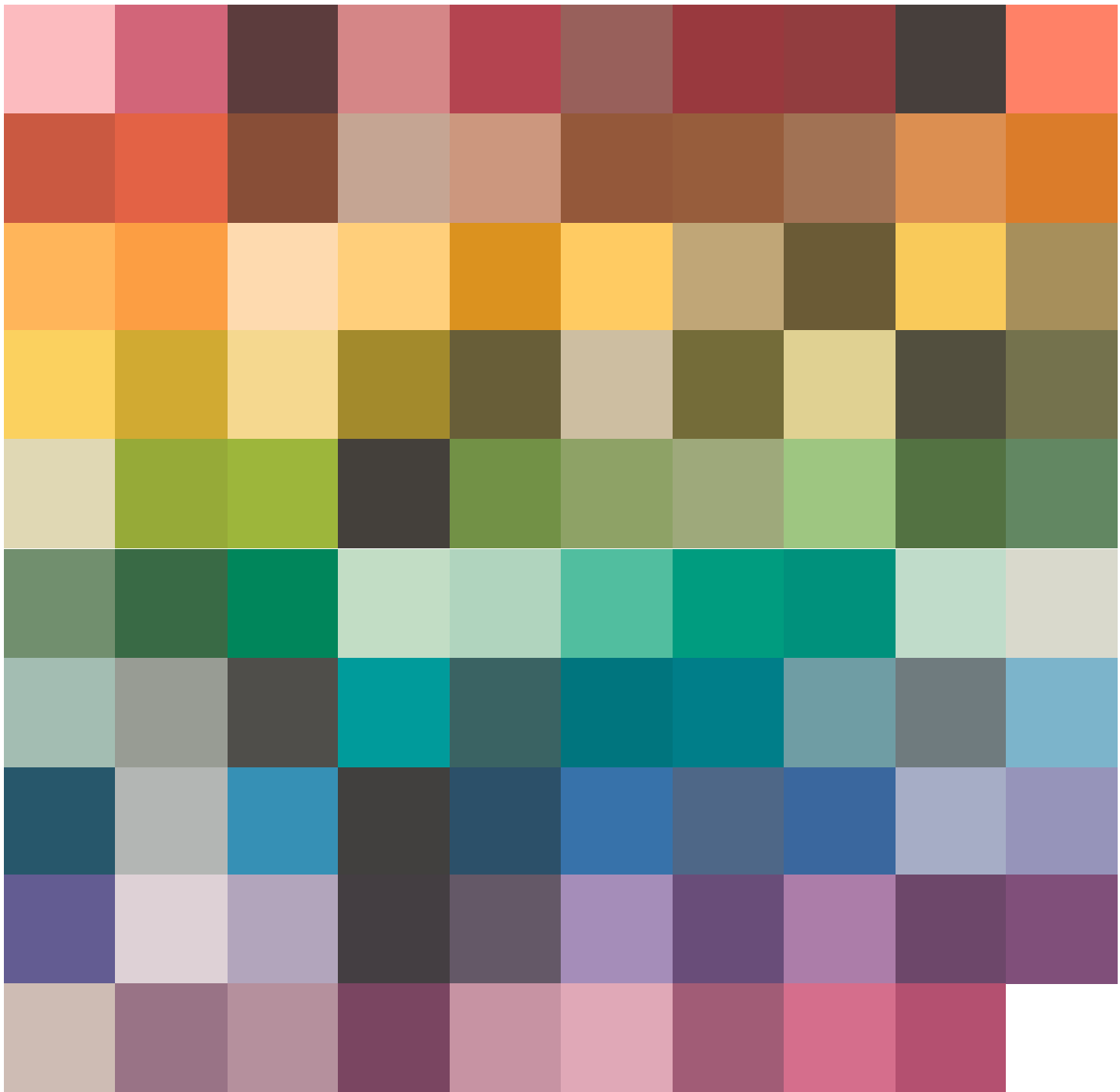


99 Color Samples





99 Color Samples





ALBEO

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