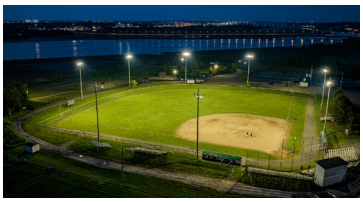
Sales Guide - LED HID

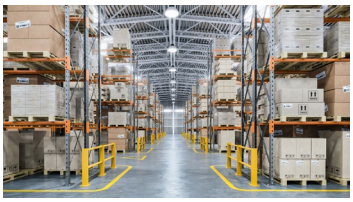
How to Identify Opportunities to Upgrade from Traditional HID applications to LED

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

Current's **LED HID Replacement Lamps** are designed to provide high output from a compact size. The length and diameter match HID ANSI bulb shape profiles. This is not true for all of the lamps on the market, which is what sets GE LED lamps apart. GE 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.

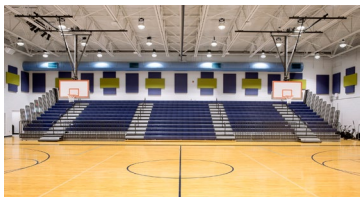
Key Applications for LED HID Replacement Lamps


Parks & Rec Sports Fields


Warehouse & Industrial


Site Lighting


Parking Lots & Roadway


Auditorium & Gym Facilities


Decorative Fixtures


Dark Sky Applications


Hazardous Location

Features & Benefits of LED HID Replacement Lamps

- Up to 75% Energy Reduction
- Instant On/Off
- 3.3x Longer Rated Life
- Quick Payback
- Reduced Maintenance Costs
- Eliminates Ballast
- No Lead or Mercury
- Eliminates Need to Re-Aim Fixtures

Current's Commitment to Safety

- Proprietary design for threaded metal capper to avoid heat-related plastic integrity issues
- Tether cable for open fixtures
- Internal fail-safes: Current-limiting and thermal fuses
- External misapplication fuse
- 6kV surge protection

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Identifying Opportunities and Recommending LED Lamps

Questions to ask to ensure the best lamp recommendation for the application:

- Does the customer have the product code or description of the existing High Intensity Discharge (HID) lamp available?
  - If Yes and the customer is happy with the current light levels, find out the site voltage and refer to the HID to LED Cross Reference Guide on page 7 of this guide to identify the best LED replacement lamp for the application. This could be a fixed wattage and color temperature lamp or a selectable lamp.
  - If Yes but the customer would like more light (increased light levels), refer to the NEMA chart on page 5 of this guide to find the LED equivalent light levels for the lamp shape/wattage, and then refer to the Lamp snapshot chart on page 3 to identify the same bulb shape lamp with higher lumen levels to fit within their fixture.
  - If No, ask the following qualifying questions to identify the traditional HID lamp being used in the application:
    - What is the traditional HID lamp bulb shape?
    - What is the traditional HID lamp wattage?
    - What is the application and what type of fixture is being used?
    - Are they happy with the existing light output for the application?
    - Are they happy with the existing color temperature of the lamp, or does the application require a cooler or warmer color temperature?

    *If the customer does not have the lamp information, ask if there is a lamp available in the storeroom that can be used as reference, or if old invoices for lamps/ballasts or site plans are available for review. If they do not have any of this information, go out to the application to do a visual inspection of the lamp in the application see if you can note any details that could help identify bulb shape. If you are unable to identify the lamps from the above questions, identify the next scheduled relamp and compile samples to take onsite to review for light output and to ensure fixture fit.

- Understand the application where the lamps are being used. Active Cooling lamps have fans, so there is an audible noise; in applications like churches or libraries where silence is needed, Passive Cooling lamps would be recommended for those applications.

- For any HID lamps 400W or higher, Active Cooling is required to achieve the required light levels.

- Selectable lamps provide flexibility for lumen output and color temperature, while reducing the amount of products customers are required to stock. Selectable lamps are available in 120-277V and 277-480V, and are available in ED17, ED23.5, ED28 and ED37 lamp shapes that would cover most of the typical applications and opportunities.

- If it is an outdoor application that falls in a dark sky area or is a High Pressure Sodium (HPS) lamp application that needs the lower color temperatures, consider Warm CCT Selectable lamps.

- If the application is a Hazardous Location, refer only to the Hazardous Location lamps on page 8 of this guide.

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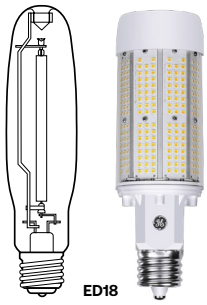
LED HID Lamp Shapes and Portfolio

Lamp Drawings (not drawn to scale)

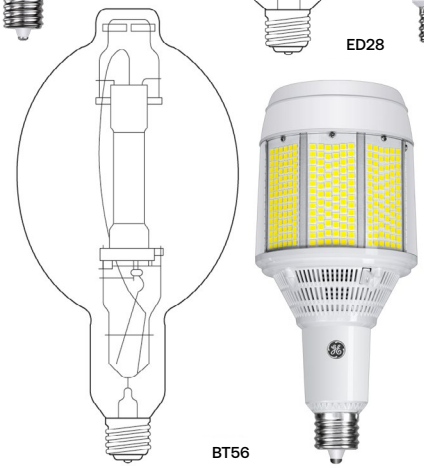

ED17


ED23.5


ED28


ED18


ED37


BT56

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 GE Lamps Product Catalog for full product specifications and products including selectable options and warm selectable lamps

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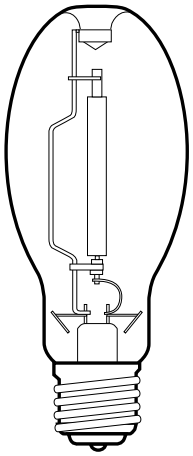
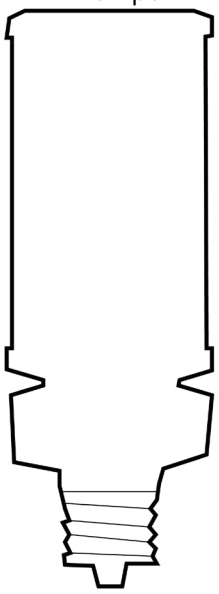
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Sales Guide - LED HID

Competitive Differentiation: Understanding the Importance of Size for HID Applications

LED Lamp Size Matters When Replacing Traditional Lamps in a Fixture
GE LED HID replacement lamps 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. GE lamps with passive cooling are the same size as active cooling lamps, but are lower in watts and lumens.

Lamp Comparison

	ED23.5 HID Lamp	Active Cooling Selectable ED23.5	Passive Cooling Selectable ED23.5	Other Passive Cooling LED Lamps
				
Wattage Levels (W)		50 / 65 / 80	32 / 39 / 46	36 / 45 / 54
Lumen Levels (lm)		8,000 / 10,300 / 12,000	5,000 / 6,300 / 7,500	5,040 / 6,300 / 7,560
Color Temp. Levels (K)		3000K / 4000K / 5000K	3000K / 4000K / 5000K	3000K / 4000K / 5000K
Base Options		E26 (with EX39 Adapter) or EX39	EX39	EX39
Length (in)		7.8 in	7.8 in	9.69 in
Diameter (in)		3.7 in	3.7 in	3.35 in



Active Cooling LED HID Lamp Portfolio - Standard & Selectable
Utilize a proprietary design that includes a fan to circulate air through the lamp for cooling which allows for high output from a compact size.

Passive Cooling Selectable LED HID Lamp Portfolio
Offers a cost effective solution for less demanding applications while still maintaining ANSI length and diameter.



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Sales Guide - LED HID

Competitive Differentiation: Understanding Lumen Output to Achieve Desired Light Levels

How to ensure that the light output will be equivalent in an LED lamp to a Traditional HID lamp: Always check the NEMA LED HID Wattage Equivalency table to ensure an LED lamp is providing the minimum light output required to replace the traditional wattage. Many manufacturers claim wattage equivalency that may not be accurate. Traditional lamp wattages higher than 400W will require Active Cooling lamps in order to meet the minimum light output requirements. Utilizing the NEMA chart for wattage equivalency will help ensure that customers are happy with the LED light output. Current provides a complete product portfolio of GE LED HID replacement lamps to cover every application.

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			

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Sales Guide - LED HID

Competitive Differentiation: Current's Industry Exclusive Lamps & Innovative Designs

Industry Exclusive Products:

- **ED18 250W and 400W HPS Replacement Lamps:** Current developed the first lamps on the market in the long, skinny ED18 shape that provide the necessary lumens to replace 250W (LU250) and 400W (LU400) High Pressure Sodium (HPS) lamps. ED18 lamps are available in 120-277V and 277-480V options, with color temperatures of 5000K, 4000K, 3000K, and also 2200K if a closer match to HPS is desired.



- **520W High Output (HO) BT56 Lamps for 1500W HID Applications:** With 106,000 lumens, Current's High Output BT56 HID Replacement provides industry-leading lumen output from a lamp, making it possible to upgrade more applications to LED without replacing an 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. These lamps are perfect for parks and recreation sports lighting applications, high mast, high bay and outdoor applications.



- **Hazardous Location LED HID Lamps:** 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.



- **UXL ED28 and ED37 LED HID Lamps with market-leading LPW:** Incorporating state-of-the-art active cooling and LEDs, GE UXL LED Lamps provide maximum energy savings and utility rebate potential. 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. 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.



- **Warm Selectable Lamps (1800K-3000K) for Dark Sky and High Pressure Sodium (HPS) Applications:** Designed for applications that require warmer color temperatures to better replicate High Pressure Sodium for residential neighborhoods or Dark Sky areas. LumenChoice® + SpectraChoice™ 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 with built-in switches. Warm Selectable LED Replacement Lamps allow you to keep existing aesthetics of decorative fixtures, but achieve the energy savings and maintenance benefits of LED in the simplest way possible.



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Sales Guide - LED HID

Traditional HID to LED Cross Reference

Multi-Vapor Metal Halide Lamps

MH HID Lamps 50-1500 Watts						Ballast Bypass (Type B) LED HID Ordinary Location Active Cooling			Ballast Bypass (Type B) LED HID Ordinary Location Selectable Active Cooling			Ballast Bypass (Type B) LED HID Ordinary Location Selectable Passive Cooling		
Order Code	Grainger	Description	Bulb Shape	Lamp Base	Color Temp.	Order Code	Grainger	Description	Order Code	Grainger	Description	Order Code	Grainger	Description
10361	1F398	MXR50/U/MED	BD17	E26	3700K	27729	472Z16	LED21ED17/740	93303384	801W96	LED/LC/ED17/7SC	93316026	421YG2	LED/LC/ED17P/7SC/120-347
22158	6V746	MXR70/U/MED	BD17	E26	3500K	27729	472Z16	LED21ED17/740	93303384	801W96	LED/LC/ED17/7SC	93316026	421YG2	LED/LC/ED17P/7SC/120-347
12590	1E694	MVR70/U/MED	BD17	E26	4000K	27729	472Z16	LED21ED17/740	93303384	801W96	LED/LC/ED17/7SC	93316026	421YG2	LED/LC/ED17P/7SC/120-347
12377	2F942	MXR70/U/MED/O	ED17	E26	3200K	27729	472Z16	LED21ED17/740	93303384	801W96	LED/LC/ED17/7SC	93316026	421YG2	LED/LC/ED17P/7SC/120-347
18680	6V749	MXR100/U/MED	BD17	E26	3200K	93112114	-	LED35ED17/730	93303384	801W96	LED/LC/ED17/7SC			
12652	1E674	MVR100/U/MED	BD17	E26	4000K	27602	472Z18	LED35ED17/740	93303384	801W96	LED/LC/ED17/7SC			
12381	2F944	MXR100/U/MED/O	ED17	E26	3200K	93112114	-	LED35ED17/730	93303384	801W96	LED/LC/ED17/7SC			
12598	1E690	MVR150/U/MED	BD17	E26	4300K	93148082	818FA5	LED45ED17/740	93303384	801W96	LED/LC/ED17/7SC			
45683	6XT93	MXR150/U/MED/O	ED17	E26	3500K	93148082	818FA5	LED45ED17/740	93303384	801W96	LED/LC/ED17/7SC			
18902	6V751	MVR175/U/MED	BD17	E26	4000K	93148082	818FA5	LED45ED17/740	93303384	801W96	LED/LC/ED17/7SC			
47760	4V550	MVR175/U	ED28	E39	4000K	22679	429U45	LED50ED23.5/740	93312104	859YF8	LED/LC/ED23.5M/7SC	93314601	908YX3	LED/LC/ED23.5P/7SC
47761	5V691	MVR175/C/U	ED28	E39	3900K	22679	429U45	LED50ED23.5/740	93312104	859YF8	LED/LC/ED23.5M/7SC	93314601	908YX3	LED/LC/ED23.5P/7SC
42729	2V712	MVR250/U	ED28	E39	4200K	22635	429U47	LED80ED23.5/740	93312104	859YF8	LED/LC/ED23.5M/7SC	93318804	421YG0	LED/LC/ED28P/7SC
78665	5GTN0	MVR250/U/PA	ED28	E39	3900K	22635	429U47	LED80ED23.5/740	93312104	859YF8	LED/LC/ED23.5M/7SC	93318804	421YG0	LED/LC/ED28P/7SC
27501	4WW54	MVR320/VBU/HO/PA	ED28	E39	4000K	22622	429U49	LED115ED28/740	93312102	859YF9	LED/LC/ED28/7SC			
46275	6XV27	MPR320/VBU/XHOPA	ED37	EX39	4000K	22622	429U49	LED115ED28/740	93312102	859YF9	LED/LC/ED28/7SC			
19609	2TJ27	MPR320/C/PA/ED28	ED28	EX39	3700K	22622	429U49	LED115ED28/740	93312102	859YF9	LED/LC/ED28/7SC			
18904	5V658	MVR400/U/ED28	ED28	E39	4000K	22611	429U51	LED150ED28/740	93312102	859YF9	LED/LC/ED28/7SC			
78666	5GTN1	MVR400/U/PA	ED37	E39	4000K	22611	429U51	LED150ED28/740	93312102	859YF9	LED/LC/ED28/7SC			
46271	6XV24	MVR400/VBUED28PA	ED28	E39	4000K	22611	429U51	LED150ED28/740	93312102	859YF9	LED/LC/ED28/7SC			
72885	3APK3	MVR400/HOR/ED28/PA	ED28	E39	4100K	22611	429U51	LED150ED28/740	93312102	859YF9	LED/LC/ED28/7SC			
46273	6XV25	MPR400/VBU/XHOPA	ED37	EX39	4000K	22611	429U51	LED150ED28/740	93312102	859YF9	LED/LC/ED28/7SC			
18708	-	MPR400/VBU/HO/O	ED37	EX39	3400K	22611	429U51	LED150ED28/740	93312102	859YF9	LED/LC/ED28/7SC			
18205	3JK41	MVR1000/U/BT37	BT37	E39	3700K				93311586	859YG0	LED/LC/ED37/740			
41433	5XP29	MPR1000/VBU/HO/O	BT56	EX39	3500K	93096445	493V24	LED450BT56/740	93311586	859YG0	LED/LC/ED37/740			
47326	4V484	MVR1500/U/SPORTS	BT56	E39	4000K	93320138	421YG4	LED520BT56/740/208-277						

High Pressure Sodium Lamps

HPS HID Lamps 70-1000 Watts						Ballast Bypass (Type B) LED HID Ordinary Location Active Cooling			Ballast Bypass (Type B) LED HID Ordinary Location Selectable Active Cooling			Ballast Bypass (Type B) LED HID Ordinary Location Selectable Passive Cooling		
Order Code	Grainger	Description	Bulb Shape	Lamp Base	Color Temp.	Order Code	Grainger	Description	Order Code	Grainger	Description	Order Code	Grainger	Description
11339	2V632	LU70/MED/ECO	B17	E26	1900K	22679	429U45	LED50ED23.5/740	93303384	801W96	LED/LC/ED17/7SC	93316026	421YG2	LED/LC/ED17P/7SC/120-347
85368	2VAD4	LU70/H/ECO	ED23.5	E39	1900K	22679	429U45	LED50ED23.5/740	93303384	801W96	LED/LC/ED17/7SC	93314601	908YX3	LED/LC/ED23.5P/7SC
13250	4V604	LU100/MED/ECO	B17	E26	2000K	93148082	818FA5	LED45ED17/740	93303384	801W96	LED/LC/ED17/7SC			
85369	2VAD5	LU100/H/ECO	ED23.5	E39	2000K	22679	429U45	LED50ED23.5/740	93303384	801W96	LED/LC/ED17/7SC	93314601	908YX3	LED/LC/ED23.5P/7SC
13252	2V713	LU150/MED/ECO	B17	E26	2000K	93148082	818FA5	LED45ED17/740	93303384	801W96	LED/LC/ED17/7SC			
85371	2VAD7	LU150/55/H/ECO	ED23.5	E39	2000K	93112196	788VT6	LED80ED23.5/730	93312104	859YF8	LED/LC/ED23.5M/7SC			
85372	3APT4	LU200/H/ECO	ED18	E39	2100K	93320018	421YF5	LED120ED18/730/277-480						
85377	3APT5	LU250/H/ECO	ED18	E39	2100K	93320018	421YF5	LED120ED18/730/277-480						
85379	3APT6	LU400/H/ECO	ED18	E39	2100K	93312096	830Y98	LED180ED18/730						
44058	2V754	LU1000/ECO	E25	E39	2100K									

Mercury Vapor Lamps

Mercury HID Lamps 100-400 Watts						Ballast Bypass (Type B) LED HID Ordinary Location Active Cooling			Ballast Bypass (Type B) LED HID Ordinary Location Selectable Active Cooling			Ballast Bypass (Type B) LED HID Ordinary Location Selectable Passive Cooling		
Order Code	Grainger	Description	Bulb Shape	Lamp Base	Color Temp.	Order Code	Grainger	Description	Order Code	Grainger	Description	Order Code	Grainger	Description
22575	2V477	HR100DX38	ED23.5	E39	3900K	22679	429U45	LED50ED23.5/740	93303384	801W96	LED/LC/ED17/7SC	93314601	908YX3	LED/LC/ED23.5P/7SC
24062	-	HR175DX39	ED23.5	E39	3900K	22679	429U45	LED50ED23.5/740	93312104	859YF8	LED/LC/ED23.5M/7SC	93314601	908YX3	LED/LC/ED23.5P/7SC
32127	2V449	HR250DX37	ED28	E39	3900K	22635	429U47	LED80ED23.5/740	93312104	859YF8	LED/LC/ED23.5M/7SC	93318804	421YG0	LED/LC/ED28P/7SC
23998	2V358	HR400DX33	ED37	E39	3900K	22611	429U51	LED150ED28/740	93312102	859YF9	LED/LC/ED28/7SC			

End users may choose from a variety of output levels and color temperatures when converting to LED. Lamps certified for use in hazardous locations are also available. Please see the LED HID Spec Sheets or the GE Lamps Catalog for the full list of LED Lamp options.

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AVAILABLE THROUGH GRAINGER FOR THE ONES WHO GET IT DONE

Sales Guide - LED HID

Hazardous LED HID Replacement Lamps

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 box 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.

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.

RATED FOR:

CLASS I, DIVISION 2, GROUPS A, B, C, D

CLASS II, DIVISION 1, GROUPS E, F, G

CLASS II, DIVISION 2, GROUPS F, G

INDUSTRY-LEADING LUMEN OUTPUT IN COMPACT FORM

UL-CERTIFIED FIXTURES*

GE Lighting Filtr-Gard® H2 Series
GE Lighting Powr-Gard® H9 Series
Crouse-Hinds Champ® VMV
Appleton Mercmaster™ II
Appleton Mercmaster™ III
Hubbell Killark® VM Series
Holophane Petrolux® P3M
Holophane Petrolux® II PETL
Thomas & Betts Hazlux® 3 Series



50,000-hour rated life
2.5x longer life than HID

50% less energy usage
with similar light output - up to 23,500 lumens

E39 socket adapter included with E26 base lamps

High maximum temperature ratings
21W: 65°C | 35W: 55°C
45W: 45°C | 80W: 55°C
150W: 40°C
Minimum starting temperature: -20°C

For use at drilling rigs, petrochemical facilities, food and beverage facilities and other heavy-industry areas

See the LED HID Hazardous Lamp section of the catalog for more details, or refer to LEDL126, the LED HID Hazardous Locations White Paper.

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