

LED HID Replacement Lamps

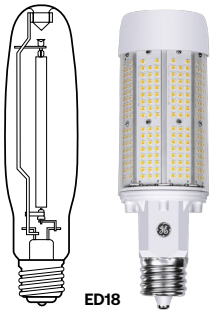
Current's **LED HID Standard and Selectable Replacement Lamps** are designed to provide high output from a compact size. The length and diameter match HID ANSI profiles. These lamps feature omnidirectional light output, with similar distribution to traditional HID lamps. This enables GE LED lamps to 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. The lamp drawings below illustrate how similar in size Current's LED lamps are to traditional HID bulbs.

Lamp Drawings (not drawn to scale)

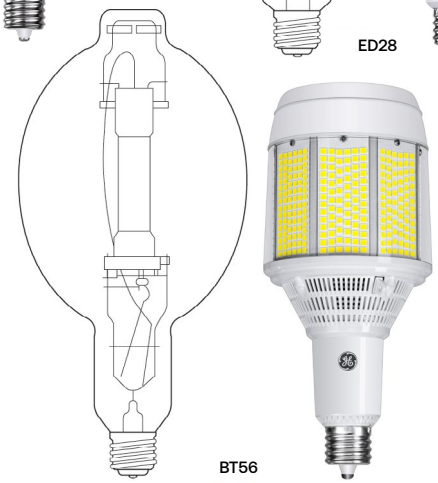














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LED HID Replacement Lamps

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.

Selectable LumenChoice® + SpectraChoice™ HID Replacement - Type B

Bulb Shape	Base Type	Order Code	Grainger Number	Description	Volts	Carton Qty[2]	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp.* (Initial)	Wattage Replacement[5]	CRI	Rated Life L70 (Hrs)[1]	DLC® ID[3]	Location Rating[4]
LED Replacement Lamp for HID - Ballast Bypass (Type B)																
ED17	E26/ EX39	93303384	801W96	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	859YF8	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	393LA3	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-4V5N0G	Damp
	EX39	93314766	908YY8	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	859YF9	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	Damp
	EX39	93314772	394WU9	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	Grainger Number	Description	Volts	Carton Qty[2]	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Color Temp. (Initial)	Wattage Replacement[5]	CRI	Rated Life L70 (Hrs)[1]	DLC® ID[3]	Location Rating[4]
LED Replacement Lamp for HID - Ballast Bypass (Type B)																
ED37	EX39	93321818	421YF2	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	859YG0	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	421YF1	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-T4ZBKH	Damp
	EX39	93311587	859YG1	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

ED18 HID Replacement - Type B

Bulb Shape	Base Type	Order Code	Grainger Number	Description	Volts	Carton Qty[2]	MOL (in)	MOD (in)	Watts	Lumens (Initial)	Color Temp.	CRI	Wattage Replacement[5]	Rated Life L70 (Hrs)[1]	DLC® ID[3]	Location Rating[4]
LED Replacement Lamp for HID - Ballast Bypass (Type B)																
ED18	EX39	93320018	421YF5	LED120ED18/730/277-480	277-480	3	9.7	3.0	120	20,000	3000K	>70	250W HPS/360W MH	50,000	S-47FGTZ	Damp
	EX39	93320024	421YF4	LED120ED18/740/277-480	277-480	3	9.7	3.0	120	20,000	4000K	>70	250W HPS/360W MH	50,000	S-1NR1YH	Damp
	EX39	93320030	421YF3	LED120ED18/750/277-480	277-480	3	9.7	3.0	120	20,000	5000K	>70	250W HPS/360W MH	50,000	S-MQFM9J	Damp
	EX39	93312096	830Y98	LED180ED18/730	120-277	3	9.7	3.0	180	30,000	3000K	>70	400W HPS/400W MH	50,000	S-F26H3J	Damp
	EX39	93312098	830Y99	LED180ED18/740	120-277	3	9.7	3.0	180	30,000	4000K	>70	400W HPS/400W MH	50,000	S-WN2HR8	Damp
	EX39	93312100	830YA0	LED180ED18/750	120-277	3	9.7	3.0	180	30,000	5000K	>70	400W HPS/400W MH	50,000	S-BG0B87	Damp
	EX39	93323715	451KV1	LED180ED18/722/277-480	277-480	3	9.7	3.0	180	26,000	2200K	>70	250W HPS / 360W MH	50,000	-	Damp
	EX39	93320000	421YF8	LED180ED18/730/277-480	277-480	3	9.7	3.0	180	30,000	3000K	>70	400W HPS/400W MH	50,000	S-LCDXR9	Damp
	EX39	93320006	421YF7	LED180ED18/740/277-480	277-480	3	9.7	3.0	180	30,000	4000K	>70	400W HPS/400W MH	50,000	S-9792TD	Damp
	EX39	93320012	421YF6	LED180ED18/750/277-480	277-480	3	9.7	3.0	180	30,000	5000K	>70	400W HPS/400W MH	50,000	S-HYQC7Z	Damp

High Output BT56 HID Replacement - Type B

Bulb Shape	Base Type	Order Code	Grainger Number	Description	Volts	Carton Qty[2]	MOL (in)	MOD (in)	Watts	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement[5]	Rated Life L70 (Hrs)[1]	DLC® ID[3]	Location Rating[4]
LED Replacement Lamps for HID - Ballast Bypass (Type B)																
BT56	EX39	93303389	813Y56	LED470BT56/740	277-480	3	12.8	5.6	470	85,000	4000K	>70	1000W HPS / 1000W MH	50,000	S-E56HRP	Damp
	EX39	93320138	421YG4	LED520BT56/740/208-277	208-277	3	12.8	5.6	520	106,000	4000K	>70	1000W HPS / 1500W MH	50,000	S-8J5CHR	Damp
	EX39	93320144	421YG3	LED520BT56/750/208-277	208-277	3	12.8	5.6	520	106,000	5000K	>70	1000W HPS / 1500W MH	50,000	S-7CHFSW	Damp
	EX39	93322984	421YF0	LED520BT56/740/277-480	277-480	3	12.8	5.6	520	106,000	4000K	>70	1000W HPS / 1500W MH	50,000	S-RB19J3	Damp
	EX39	93322990	421YE9	LED520BT56/750/277-480	277-480	3	12.8	5.6	520	106,000	5000K	>70	1000W HPS / 1500W MH	50,000	S-MMD144	Damp

LED HID Replacement Lamps

Selectable LumenChoice® UXL HID Replacement - Type B

Bulb Shape	Base Type	Order Code	Grainger Number	Description	Volts	Carton Qty[2]	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Color Temp. (Initial)	Wattage Replacement[5]	CRI	Rated Life L70 (Hrs)[1]	DLC® ID[3]	Location Rating[4]
LED Replacement Lamp for HID - Ballast Bypass (Type B)																
ED28	EX39	93324112	451KV3	LED/LC/ED28/740UXL	120-277	3	8.3	4.1	73 95 125*	14,000 18,000 23,500*	4000K	200W HPS / 250W MH 250W HPS / 350W MH 310W HPS / 400W MH	>70	50,000	-	Damp
	EX39	93324118	451KV2	LED/LC/ED28/750UXL	120-277	3	8.3	4.1	73 95 125*	14,000 18,000 23,500*	5000K	200W HPS / 250W MH 250W HPS / 350W MH 310W HPS / 400W MH	>70	50,000	-	Damp
ED37	EX39	93325998	-	LED/LC/ED37/740UXL	120-277	3	11.3	5.6	210 270 330*	42,000 53,500 65,000*	4000K	400W HPS / 400W MH 750W HPS / 750W MH 750W HPS / 1000W MH	>70	50,000	-	Damp
	EX39	93325999	-	LED/LC/ED37/750UXL	120-277	3	11.3	5.6	210 270 330*	42,000 53,500 65,000*	5000K	400W HPS / 400W MH 750W HPS / 750W MH 750W HPS / 1000W MH	>70	50,000	-	Damp
	EX39	93324104	451KV6	LED/LC/ED37/740UXL	277-480	3	11.3	5.6	210 270 330*	42,000 53,500 65,000*	4000K	400W HPS / 400W MH 750W HPS / 750W MH 750W HPS / 1000W MH	>70	50,000	-	Damp
	EX39	93324106	451KV5	LED/LC/ED37/750UXL	277-480	3	11.3	5.6	210 270 330*	42,000 53,500 65,000*	5000K	400W HPS / 400W MH 750W HPS / 750W MH 750W HPS / 1000W MH	>70	50,000	-	Damp

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

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

Bulb Shape	Base Type	Order Code	Grainger Number	Description	Volts	Carton Qty[2]	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp.* (Initial)	Wattage Replacement[5]	CRI	Rated Life L70 (Hrs)[1]	DLC®[3]	Location Rating[4]
LED Replacement Lamp for HID - Ballast Bypass (Type B)																
ED17	E26	93316026	421YG2	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	908YX3	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	421YG0	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

Information provided is subject to change without notice. Please verify all details with Current. All values are design or typical values when measured under laboratory conditions, and Current makes no warranty or guarantee, expressed or implied, that such performance will be obtained under end-use conditions. These products are covered by U.S. Patent 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] 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] 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. Not suitable for air-tight explosive or hazardous fixtures.
[5] Wattage Replacement levels correspond with lumen 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.

Selectable **LED Lamps**

Do more with less.

- ***Reduce Inventory***
- ***Simplify Projects***
- ***Optimize Solutions***

Current's **LumenChoice® + SpectraChoice™ selectable LED lamps** offer unmatched flexibility in a single lamp, and feature built-in switches to change wattage and color temperature, no tools required.



Select wattage (lumens) using built-in switch.



Select color temperature using built-in switch.



Active Cooling Selectable ED17

LumenChoice®+ SpectraChoice™

Passive Cooling Selectable ED17





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

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LED HID Replacement Lamps

Warm Selectable LED HID Lamp Portfolio designed for applications that require warmer color temperatures to better replicate High Pressure Sodium for residential neighborhoods or Dark Sky areas.

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

Bulb Shape	Base Type	Order Code	Grainger Number	Description	Volts	Carton Qty[2]	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp.* (Initial)	Wattage Replacement[5]	CRI	Rated Life L70 (Hrs)[1]	DLC*[3]	Location Rating[4]
LED Replacement Lamp for HID - Ballast Bypass (Type B)																
										2,450	1800K	35W HPS / 50W MH				
									21	3,000	2200K	35W HPS / 50W MH				
										3,300	2700K	50W HPS / 50W MH				
										3,950	1800K	35W HPS / 50W MH				
ED17	E26/ EX39	93315986	908YX4	LED/LC/ED17/7WSC/120-347	120-347	3	5.4	2.6	35*	4,900*	2200K*	50W HPS / 70W MH	>70	50,000	-	Damp
										5,350	2700K	70W HPS / 70W MH				
										4,900	1800K	50W HPS / 70W MH				
									45	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	Grainger Number	Description	Volts	Carton Qty[2]	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)*	Selectable Color Temp.* (Initial)	Wattage Replacement[5]	CRI	Rated Life L70 (Hrs)[1]	DLC*[3]	Location Rating[4]
LED Replacement Lamp for HID - Ballast Bypass (Type B)																
										1,600	1800K	35W HPS / 50W MH				
									13	421YF9	2200K	35W HPS / 50W MH				
										2,200	2700K	35W HPS / 50W MH				
										2,200	1800K	35W HPS / 50W MH				
ED17	E26	93318489	421YG1	LED/LC/ED17P/7WSC/120-347	120-347	3	5.6	2.6	19	2,700	2200K	35W HPS / 50W MH	>70	50,000	-	Damp
										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				
										6,300	1800K	70W HPS / 70W MH				
									46	7,600	2200K	70W HPS / 100W MH				
										8,400	2700K	100W HPS / 150W MH				
										7,600	1800K	70W HPS / 100W MH				
ED28	EX39	93319614	421YF9	LED/LC/ED28P/7WSC	120-277	3	8.3	4.1	58	9,300	2200K	100W HPS / 100W MH	>70	50,000	-	Damp
										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				

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[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. Not suitable for air-tight explosive or hazardous fixtures.
[5] Wattage Replacement levels correspond with lumen 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.





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