LED Lamps - HID

Passive Selectable LED HID Lamps

Current's Passive Selectable LED HID Replacement Lamps offer a cost effective solution for less demanding applications, while maintaining a size and shape that fits in existing fixtures. Built-in switches easily allow the change of wattage and color temperature, no tools required.

LumenChoice®+ SpectraChoice™

PERFORMANCE HIGHLIGHTS:

Passive Selectable LED HID Lamps	
Selectable Light Output:	ED17, ED23.5, ED28
CRI:	70
Selectable CCT:	ED17, ED23.5, ED28
Input Voltage:	120-347V (ED17) 120-277V (ED23.5, ED28)
Efficiency:	Up to 183 LPW
Selectable Wattage:	ED17, ED23.5, ED28
Life:	50,000 hours L70
Temperature Rating:	-40°C to 50°C
Location Rating:	Damp; Open or Enclosed

LIMITED WARRANTY

5 years

FEATURES:

- Three wattage levels and three color temperature levels that can be adjusted with built-in switches, no tools required
- Operates from 120-277VAC or 120-347V input voltage (ballast bypass)
- Matches ANSI length & diameter for lamp shapes
- Lasts 2x longer than HID (compared to 24,000-hr B50)
- In-line fuse included
- Passive cooling (no fan) with electronic thermal management

BENEFITS:

- Upgrade to LED in lower wattage HID applications
- Significant increase in CRI compared to High Pressure Sodium lamps, from 21 to 70 CRI
- Three color temperature options and three lumen level options from a compact size
- One lamp can cover many applications, reducing inventory & simplifying BOMs
- Ballast bypass (Type B) wiring eliminates costs and hassle associated with replacing ballasts

LEARN MORE:

To learn more about saving money and energy, go to www.LED.com.

Selectable **LED Lamps**

Do more with less.

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

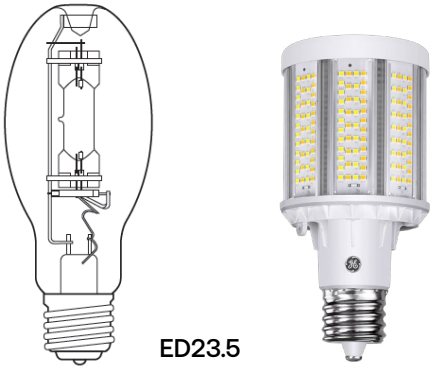
Passive Selectable LED HID Lamps

CUSTOMER NAME
PROJECT NAME
DATE NOTES

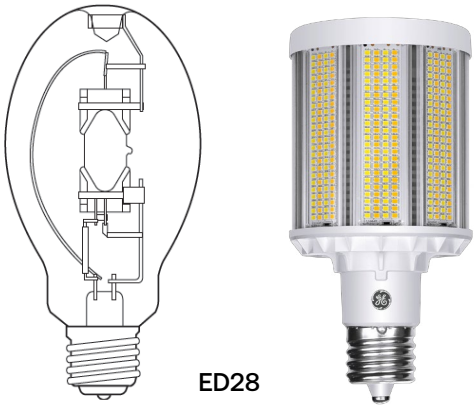
GE LED Lamps for HID Replacement utilize a proprietary design with active cooling, which allows for high output from a compact size. The length and diameter match HID ANSI profiles. These lamps feature omnidirectional light output, with similar distribution to traditional HID lamps. This enables GE LED 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)

ED17



ED23.5



ED28

Passive Selectable LED HID Lamps

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LumenChoice®+
SpectraChoice™

Select wattage (lumens) using built-in switch

LumenChoice®

Select color temperature using built-in switch

SpectraChoice™

Passive Cooling
Selectable ED23.5

Passive Selectable LED HID Lamps

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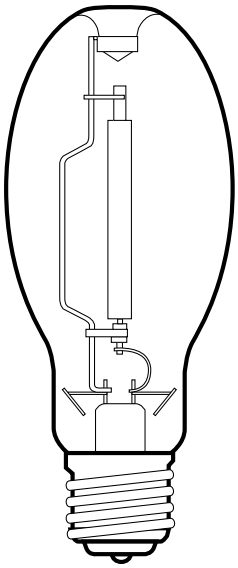
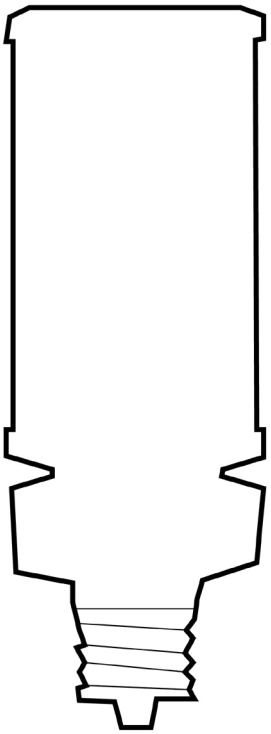
Current's Passive Selectable LED HID Lamps maintain ANSI length and diameter, ensuring that the lamps will fit into fixtures and utilize existing optics. These lamps feature omnidirectional light output, with similar distribution to traditional HID lamps. This enables GE LED lamps to fit in a variety of fixtures while providing equivalent light levels to HID. 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	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

Go to www.LED.com to learn more about Current's family of Selectable LED Lamps.

Selectable **LED Lamps**

Passive Selectable LED HID Lamps

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

Bulb Shape	Base Type	Order Code	Description	Volts	Carton Qty[2]	MOL (in)	MOD (in)	Watts	Lumens (Initial)	Color Temp.	Wattage Replacement[6]	CRI	Rated Life L70 (Hrs)[1]	DLC*[4,5]	Location Rating[3]
LED Replacement Lamp for HID - Ballast Bypass (Type B)															
ED17	E26	93316026	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	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	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	-	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	Description	Volts	Carton Qty[2]	MOL (in)	MOD (in)	Selectable Watts*	Selectable Lumens (Initial)[7]	Selectable Color Temp.* (Initial)	Wattage Replacement[8]	CRI	Rated Life L70 (Hrs)[1]	DLC*[3]	Location Rating[5,6]
LED Replacement Lamp for HID - Ballast Bypass (Type B)															
ED17	E26	93318489	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				
ED28	EX39	93319614	LED/LC/ED28P/7WSC	120-277	3	8.3	4.1	46	6,300 7,600 8,400	1800K 2200K 2700K	70W HPS / 70W MH 70W HPS / 100W MH 100W HPS / 150W MH	>70	50,000	-	Damp
								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				
These products are covered by U.S. Patent 10508776. These products may also be covered by other U.S. patents or pending applications.															

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.

[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.
E26 based products are not eligible for DLC. Not all product variations on this page are DLC qualified.
[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. Lumen levels correspond with wattage levels. Color temperature levels are independent of wattage & lumens.