

LED Replacement Lamps

For HID-Ballast Bypass (Type B)
120-277V

Project Name _____

Date _____ Type _____

Notes _____



LED replacement for HID lamps leverage the low energy and long life of LED. The existing fixture is wired to bypass the ballast, which reduces energy use and eliminates the need to check ballast compatibility. Additional maintenance savings are realized by removing costs associated with purchasing and installing ballasts.

PERFORMANCE HIGHLIGHTS:

Light Output Range:	3,000-23,500 Lumens
CRI:	70
CCT:	2450K, 3000K, 3500K, 4000K & 5000K
Input Voltage:	120-277V
Efficiency:	Up to 157 LPW
Wattage:	21W-150W
Life:	50,000 hours L70
Temperature Rating:	-20°C to +50°C
Rating:	Damp
Fixtures:	Open or Enclosed

FEATURES

- 3.3X Longer Life (50,000 hr (B50) LED vs 15,000 hr (B50) Metal Halide)
- Uses 60-75% less energy, providing similar light output
- Tether Kit and in-line fuse included

BENEFITS

- **Energy + Cost Savings**
For example, an LED lamp using 150 watts, saves \$1,705 in energy costs over the rated life of the lamp vs. a standard 460 watt Metal Halide lamp system (400W lamp and 60W ballast based on \$0.11 per kWh)
- Ballast bypass (Type B) wiring eliminates costs and hassle associated with replacing ballasts
- Type B eliminates the need to check ballast compatibility

LIMITED WARRANTY

5 Years

Energy Savings switching from HID to LED Type B

Lamp Replacement Wattage	HID System Wattage	LED System Wattage	System Energy Savings (W)	System Energy Cost Savings Over Life of Lamp*
400W MH	460	150	310	\$1,705
250W HID	290	115	175	\$962
175W MH	210	80	130	\$715
100W HID	120	50	70	\$385

*Based on energy rates at .11kwh over the life of the lamp

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Spec Tables

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Base Type	Watts	Order Code	Description	Volts	Case Qty ²	MOL (In)	MOD (In)	Lumens Initial	Initial Color Temp	CRI	Wattage Replacement	Rated Life L70 (Hrs) ¹	DLC [®] Listed ^{3,4}	Location Rating ^{5,6}
LED Replacement Lamps for HID														
E26	21	93112111	LED21ED17/730	120-277	3	5.4	2.55	3,000	3000K	>70	50W HID, 70W MH	50,000	N/A	Damp
E26	21	27729	LED21ED17/740	120-277	3	5.4	2.55	3,000	4000K	>70	50W HID, 70W MH	50,000	N/A	Damp
E26	21	27732	LED21ED17/750	120-277	3	5.4	2.55	3,000	5000K	>70	50W HID, 70W MH	50,000	N/A	Damp
E26	35	93112114	LED35ED17/730	120-277	3	5.4	2.55	5,000	3000K	>70	70W HID, 100W MH	50,000	N/A	Damp
E26	35	27602	LED35ED17/740	120-277	3	5.4	2.55	5,000	4000K	>70	70W HID, 100W MH	50,000	N/A	Damp
E26	35	27724	LED35ED17/750	120-277	3	5.4	2.55	5,000	5000K	>70	70W HID, 100W MH	50,000	N/A	Damp
E26	45	93116975	LED45ED17/835	120-277	3	5.4	2.55	6,000	3500K	>70	100W HID	50,000	N/A	Damp
E26	50	93125012	LED50ED23.5M/730	120-277	3	7.7	3.63	7,500	3000K	>70	100W HID, 150/175W MH	50,000	N/A	Damp
E26	50	22779	LED50ED23.5M/740	120-277	3	7.7	3.63	7,500	4000K	>70	100W HID, 150/175W MH	50,000	N/A	Damp
E26	50	93125011	LED50ED23.5M/750	120-277	3	7.7	3.63	7,500	5000K	>70	100W HID, 150/175W MH	50,000	N/A	Damp
E26	80	93125009	LED80ED23.5M/730	120-277	3	7.7	3.63	12,000	3000K	>70	150W HID, 175/250W MH	50,000	N/A	Damp
E26	80	22768	LED80ED23.5M/740	120-277	3	7.7	3.63	12,000	4000K	>70	150W HID, 175/250W MH	50,000	N/A	Damp
E26	80	93125008	LED80ED23.5M/750	120-277	3	7.7	3.63	12,000	5000K	>70	150W HID, 175/250W MH	50,000	N/A	Damp
EX39	50	27572	LED50ED23.5/725	120-277	3	7.7	3.63	7,150	2450K	>70	100W HID, 175W MH	50,000	-	Damp
EX39	50	93112115	LED50ED23.5/730	120-277	3	7.7	3.63	7,500	3000K	>70	100W HID, 150/175W MH	50,000	Yes	Damp
EX39	50	22679	LED50ED23.5/740	120-277	3	7.7	3.63	7,500	4000K	>70	100W HID, 150/175W MH	50,000	Yes	Damp
EX39	50	22739	LED50ED23.5/750	120-277	3	7.7	3.63	7,500	5000K	>70	100W HID, 150/175W MH	50,000	Yes	Damp
EX39	80	27539	LED80ED23.5/725	120-277	3	7.7	3.63	11,500	2450K	>70	150W HID, 175W MH	50,000	-	Damp
EX39	80	93112196	LED80ED23.5/730	120-277	3	7.7	3.63	12,000	3000K	>70	150W HID, 175/250W MH	50,000	Yes	Damp
EX39	80	22635	LED80ED23.5/740	120-277	3	7.7	3.63	12,000	4000K	>70	150W HID, 175/250W MH	50,000	Yes	Damp
EX39	80	22676	LED80ED23.5/750	120-277	3	7.7	3.63	12,000	5000K	>70	150W HID, 175/250W MH	50,000	Yes	Damp
EX39	115	93112197	LED115ED28/730	120-277	3	8.3	4.02	18,000	3000K	>70	250W HID, 320/350W MH	50,000	Yes	Damp
EX39	115	22622	LED115ED28/740	120-277	3	8.3	4.02	18,000	4000K	>70	250W HID, 320/350W MH	50,000	Yes	Damp
EX39	115	22623	LED115ED28/750	120-277	3	8.3	4.02	18,000	5000K	>70	250W HID, 320/350W MH	50,000	Yes	Damp
EX39	150	93112198	LED150ED28/730	120-277	3	8.3	4.02	23,500	3000K	>70	310W HPS, 400W MH	50,000	Yes	Damp
EX39	150	22611	LED150ED28/740	120-277	3	8.3	4.02	23,500	4000K	>70	310W HPS, 400W MH	50,000	Yes	Damp
EX39	150	22613	LED150ED28/750	120-277	3	8.3	4.02	23,500	5000K	>70	310W HPS, 400W MH	50,000	Yes	Damp

Additional Information for LED Replacement Lamps for HID: Open and Closed Rated-Ballast bypass required

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 rating (L70)

² Minimum order quantity = 1

³ E26 based products are not eligible for DLC

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

⁵ UL 1993 Environmental Requirements for LED LAMPS

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

Location, dry – Location not normally subject to dampness, may include a location subject to temporary dampness, i.e., building under construction, provided ventilation is adequate to prevent an accumulation of moisture.

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

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