

# LED Replacement Lamps

For HID-Ballast Bypass (Type B)

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:

## FEATURES

<b>Light Output Range:</b>	3,000-65,000 Lumens
<b>CRI:</b>	70
<b>CCT:</b>	2450K, 3000K, 3500K, 4000K & 5000K
<b>Input Voltage:</b>	120-277V; 208-277V; 277-480V
<b>Efficiency:</b>	Up to 157 LPW
<b>Wattage:</b>	21W-450W
<b>Life:</b>	50,000 hours L70
<b>Temperature Rating:</b>	Standard LED HID -40°C to +50°C Hazardous Rated LED HID -20°C to +65°C
<b>Rating:</b>	Damp
<b>Fixtures:</b>	Open or Enclosed
<b>Fixtures UL Certified for Hazardous Locations:</b>	GE Lighting Filtr-Gard® H2 Series Crouse-Hinds Champ® VMV Appleton™ Mercmaster™ II Series Appleton™ Mercmaster™ III Series Hubbell Killark® VM Series Holophane Petrolux P3M® Thomas & Betts Hazlux® 3 Series

- 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
- Horizontal support kit with ED37 & BT56

## BENEFITS

- **Energy + Cost Savings**  
For example, an LED lamp using 450 watts, saves \$3,437 in energy costs over the rated life of the lamp vs. a standard 1,075 watt Metal Halide lamp system (1000W lamp and 75W 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*
1000W MH	1075	450	625	\$3,437
750W HID	825	360	465	\$2,395
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 0.11 per kWh over the life of the lamp

# LED Replacement Lamps

## HID-Ballast Bypass (Type B)

### Spec Tables

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Notes \_\_\_\_\_



Base Type	Watts	Order Code	Description	Volts	Case Qty <sup>2</sup>	MOL (In)	MOD (In)	Lumens Initial	Initial Color Temp	CRI	Wattage Replacement	Rated Life L70 (Hrs) <sup>1</sup>	DLC <sup>®</sup> Listed <sup>3,4</sup>	Location Rating <sup>5,6</sup>
<b>LED Replacement Lamps for HID</b>														
E26	21	27729	LED21ED17/740	120-277	3	5.4	2.6	3,000	4000K	>70	50W HPS/70W MH	50,000	N/A	Damp
E26	21	27732	LED21ED17/750	120-277	3	5.4	2.6	3,000	5000K	>70	50W HPS/70W MH	50,000	N/A	Damp
E26	35	93112114	LED35ED17/730	120-277	3	5.4	2.6	5,000	3000K	>70	70W HPS/100W MH	50000	N/A	Damp
E26	35	27602	LED35ED17/740	120-277	3	5.4	2.6	5,000	4000K	>70	70W HPS/100W MH	50,000	N/A	Damp
E26	35	27724	LED35ED17/750	120-277	3	5.4	2.6	5,000	5000K	>70	70W HPS/100W MH	50,000	N/A	Damp
E26	45	93116975	LED45ED17/835	120-277	3	5.4	2.6	6,000	3500K	>70	100W HPS/100W MH	50,000	N/A	Damp
E26	45	93148082	LED45ED17/740	120-277	3	5.4	2.6	7,000	4000K	>70	100W HPS/175W MH	50,000	N/A	Damp
E26	45	93148081	LED45ED17/750	120-277	3	5.4	2.6	7,000	5000K	>70	100W HPS/175W MH	50,000	N/A	Damp
E26	50	93125012	LED50ED23.5M/730	120-277	3	7.8	3.7	7,500	3000K	>70	100W HPS/150W MH	50,000	N/A	Damp
E26	50	22779	LED50ED23.5M/740	120-277	3	7.8	3.7	7,500	4000K	>70	100W HPS/150W MH	50,000	N/A	Damp
E26	50	93125011	LED50ED23.5M/750	120-277	3	7.8	3.7	7,500	5000K	>70	100W HPS/150W MH	50,000	N/A	Damp
E26	80	22768	LED80ED23.5M/740	120-277	3	7.8	3.7	12,000	4000K	>70	150W HPS/250W MH	50,000	N/A	Damp
E26	80	93125008	LED80ED23.5M/750	120-277	3	7.8	3.7	12,000	5000K	>70	150W HPS/250W MH	50,000	N/A	Damp
EX39	50	27572	LED50ED23.5/725	120-277	3	7.8	3.7	7,150	2450K	>70	100W HPS/175W MH	50,000	-	Damp
EX39	50	93112115	LED50ED23.5/730	120-277	3	7.8	3.7	7,500	3000K	>70	100W HPS/150W MH	50,000	Yes	Damp
EX39	50	22679	LED50ED23.5/740	120-277	3	7.8	3.7	7,500	4000K	>70	100W HPS/150W MH	50,000	Yes	Damp
EX39	50	22739	LED50ED23.5/750	120-277	3	7.8	3.7	7,500	5000K	>70	100W HPS/150W MH	50,000	Yes	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	-	Damp
EX39	50	93154639	LED50ED23.5/750/277/480	277-480	3	7.8	3.7	7,500	5000K	>70	100W HPS/150W MH	50,000	-	Damp
EX39	80	93112196	LED80ED23.5/730	120-277	3	7.8	3.7	12,000	3000K	>70	150W HPS/250W MH	50,000	Yes	Damp
EX39	80	22635	LED80ED23.5/740	120-277	3	7.8	3.7	12,000	4000K	>70	150W HPS/250W MH	50,000	Yes	Damp
EX39	80	22676	LED80ED23.5/750	120-277	3	7.8	3.7	12,000	5000K	>70	150W HPS/250W MH	50,000	Yes	Damp
EX39	80	93154642	LED80ED23.5/740/277/480	277-480	3	7.8	3.7	12,000	4000K	>70	150W HPS/250W MH	50,000	-	Damp
EX39	80	93154640	LED80ED23.5/750/277/480	277-480	3	7.8	3.7	12,000	5000K	>70	150W HPS/250W MH	50,000	-	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.