LED Replacement Lamps

For HID-Ballast Bypass (Type B)
277-480V

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:	18,000-65,000 Lumens
CRI:	70
CCT:	4000K, 5000K
Input Voltage:	277-480V
Efficiency:	Up to 157 LPW
Wattage:	115W-450W
Life:	50,000 hours L70
Temperature Rating:	-20°C to +50°C
Rating:	Damp
Fixtures:	Open or Enclosed

LIMITED WARRANTY

5 Years

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
- 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

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

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

GE current
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DAMP RATED

Not all products on this document are DLC qualified, please visit https://www.designlights.org/search/

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Spec Tables

Project Name _____

Date _____ Type _____

Notes _____

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														
EX39	115	93139853	LED115ED28/740/277/480	277-480	3	8.3	4.02	18,000	4000K	>70	250W HID, 320/350W MH	50,000	Yes	Damp
EX39	115	93139854	LED115ED28/750/277/480	277-480	3	8.3	4.02	18,000	5000K	>70	250W HID, 320/350W MH	50,000	Yes	Damp
EX39	150	93139849	LED150ED28/740/277/480	277-480	3	8.3	4.02	23,500	4000K	>70	310W HPS, 400W MH	50,000	Yes	Damp
EX39	150	93139850	LED150ED28/750/277/480	277-480	3	8.3	4.02	23,500	5000K	>70	310W HPS, 400W MH	50,000	Yes	Damp
EX39	200	93122140	LED200ED37/740	277-480	3	10.6	5.57	30,000	4000K	>70	400W HID	50,000	Yes	Damp
EX39	200	93122142	LED200ED37/750	277-480	3	10.6	5.57	30,000	5000K	>70	400W HID	50,000	Yes	Damp
EX39	270	93095547	LED270BT56/740	277-480	3	12.2	5.59	40,000	4000K	>70	400W HID	50,000	Yes	Damp
EX39	270	93095553	LED270BT56/750	277-480	3	12.2	5.59	40,000	5000K	>70	400W HID	50,000	Yes	Damp
EX39	360	93122144	LED360ED37/740	277-480	3	10.6	5.57	53,500	4000K	>70	750W HID	50,000	Yes	Damp
EX39	360	93122166	LED360ED37/750	277-480	3	10.6	5.57	53,500	5000K	>70	750W HID	50,000	Yes	Damp
EX39	450	93096445	LED450BT56/740	277-480	3	12.2	5.59	65,000	4000K	>70	1000W MH	50,000	Yes	Damp
EX39	450	93096547	LED450BT56/750	277-480	3	12.2	5.59	65,000	5000K	>70	1000W 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.