

Direct



Application illustration only, subject lamps not used in photo.



LED replacement lamps for HID-Ballast Bypass (Type B)

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.

LOW-COST OPERATION

- Uses 60-75% less energy, providing similar light output
- 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 HID lamp system (400W lamp and 60W ballast) based on \$0.11 per kWh
- Ballast bypass (Type B) wiring eliminates costs associated with replacing ballasts
- Total system > 140 LPW

VERSATILE UPDATE

- Omni-directional lamp utilizes existing fixture optics
- Flexible use-one lamp can be used in many types of fixtures
 - Universal burn
 - Designed to match HID ANSI profile
- Rated for open and enclosed fixtures
- Temperature rating for -20°C to 50°C
- Exceeding temperature ratings will shorten life of lamp
- Type B eliminates the need to check ballast compatibility

LONG LIFE

- 3.3X Longer Life (50,000 hr (B10) LED vs 15,000 hr (B50) Metal Halide)
- 50,000 hour rated life (L70)
- 50,000 hour rated fan life (B10)
- High-Performance fan ensures rated lamp life

COLOR RENDERING

- Available with a CRI of 70

COLOR TEMPERATURE

- Available in 4000K and 5000K
- Instant On/Brightness

ENVIRONMENTALLY CONSCIOUS

- These lamps are energy efficient and are compliant with material restriction requirements of RoHS

QUALITY AND RELIABILITY

- 5-year limited warranty
- Tether Kit and in-line fuse included
- Robust construction with metal components
- Driver with internal fuse provides 6 kV surge protection

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

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LED HID Type B Replacement Lamps



Bulb Shape	Base Type	Watts	Order Code	Description	Fixture Rating	Volts	Case Qty*	MOL (In)	MOD (In)	Lumens Initial	Initial Color Temp	CRI	Wattage Replacement	*Rated Life L70 (Hrs)	DLC	^ #Location Rating	Additional Information		
LED Replacement Lamps for HID																			
	MED	21	27729	LED21ED17/740	Open & Enclosed	120-277	3	5.4	2.5	3,000	4000K	>70	50W	50,000	-	Damp	Ballast bypass required.		
			27732	LED21ED17/750	Open & Enclosed	120-277	3	5.4	2.5	3,000	5000K	>70	50W	50,000	-	Damp	Ballast bypass required.		
	35	93112114	LED35ED17/730	Open & Enclosed	120-277	3	5.4	2.5	5,000	3000K	>70	70W	50,000	-	Damp	Ballast bypass required.			
		27602	LED35ED17/740	Open & Enclosed	120-277	3	5.4	2.5	5,000	4000K	>70	70W	50,000	-	Damp	Ballast bypass required.			
		27724	LED35ED17/750	Open & Enclosed	120-277	3	5.4	2.5	5,000	5000K	>70	70W	50,000	-	Damp	Ballast bypass required.			
	50	22779	LED50ED23.5M/740	Open & Enclosed	120-277	3	7.7	3.6	7,500	4000K	>70	100W	50,000	-	Damp	Ballast bypass required.			
		22768	LED80ED23.5M/740	Open & Enclosed	120-277	3	7.7	3.6	12,000	4000K	>70	175W	50,000	-	Damp	Ballast bypass required.			
	EX39	50	27572	LED50ED23.5/725	Open & Enclosed	120-277	3	7.7	3.6	7,150	2450K	>70	100W	50,000	-	Damp	Ballast bypass required.		
			22679	LED50ED23.5/740	Open & Enclosed	120-277	3	7.7	3.6	7,500	4000K	>70	100W	50,000	Yes	Damp	Ballast bypass required.		
			22739	LED50ED23.5/750	Open & Enclosed	120-277	3	7.7	3.6	7,500	5000K	>70	100W	50,000	Yes	Damp	Ballast bypass required.		
	80	27539	LED80ED23.5/725	Open & Enclosed	120-277	3	7.7	3.6	11,500	2450K	>70	175W	50,000	-	Damp	Ballast bypass required.			
			22635	LED80ED23.5/740	Open & Enclosed	120-277	3	7.7	3.6	12,000	4000K	>70	175W	50,000	Yes	Damp	Ballast bypass required.		
		22676	LED80ED23.5/750	Open & Enclosed	120-277	3	7.7	3.6	12,000	5000K	>70	175W	50,000	Yes	Damp	Ballast bypass required.			
				115	22622	LED115ED28/740	Open & Enclosed	120-277	3	8.3	4	18,000	4000K	>70	250W	50,000	Yes	Damp	Ballast bypass required.
					22623	LED115ED28/750	Open & Enclosed	120-277	3	8.3	4	18,000	5000K	>70	250W	50,000	Yes	Damp	Ballast bypass required.
93101396	LED115ED28/740/347/480	Open & Enclosed	347-480	3	8.3	4	18,000	4000K	>70	250W	50,000	Yes	Damp	Ballast bypass required.					
		93101397	LED115ED28/750/347/480	Open & Enclosed	347-480	3	8.3	4	18,000	5000K	>70	250W	50,000	Yes	Damp	Ballast bypass required.			
	150	22611	LED150ED28/740	Open & Enclosed	120-277	3	8.3	4	23,500	4000K	>70	400W	50,000	Yes	Damp	Ballast bypass required.			
			22613	LED150ED28/750	Open & Enclosed	120-277	3	8.3	4	23,500	5000K	>70	400W	50,000	Yes	Damp	Ballast bypass required.		
		93101234	LED150ED28/740/347/480	Open & Enclosed	347-480	3	8.3	4	23,500	4000K	>70	400W	50,000	Yes	Damp	Ballast bypass required.			
93101235	LED150ED28/750/347/480	Open & Enclosed	347-480	3	8.3	4	23,500	5000K	>70	400W	50,000	Yes	Damp	Ballast bypass required.					
		200	93122140	LED200ED37/740	Open & Enclosed	277-480	3	10.6		30,000	4000K	>70	750W	50,000	Pending	Damp	Ballast bypass required.		
	93122142			LED200ED37/750	Open & Enclosed	277-480	3	10.6		30,000	5000K	>70	750W	50,000	Pending	Damp	Ballast bypass required.		
	270		93095547	LED270BT56/740	Open & Enclosed	277-480	3	12.2	5.5	40,000	4000K	>70	1000W	50,000	Yes	Damp	Ballast bypass required.		
		93095553		LED270BT56/750	Open & Enclosed	277-480	3	12.2	5.5	40,000	5000K	>70	1000W	50,000	Yes	Damp	Ballast bypass required.		
360	93122144	LED360ED37/740	Open & Enclosed	277-480	3	10.6		53,000	4000K	>70	750W	50,000	Pending	Damp	Ballast bypass required.				
		93122166	LED360ED37/750	Open & Enclosed	277-480	3	10.6		53,000	5000K	>70	750W	50,000	Pending	Damp	Ballast bypass required.			
	450	93096445	LED450BT56/740	Open & Enclosed	277-480	3	12.2	5.5	65,000	4000K	>70	1000W	50,000	Yes	Damp	Ballast bypass required.			
93096547			LED450BT56/750	Open & Enclosed	277-480	3	12.2	5.5	65,000	5000K	>70	1000W	50,000	Yes	Damp	Ballast bypass required.			

Energy Savings switching from HID to LED Type B

Lamp Replacement Wattage	HID System Wattage	LED System Wattage	System Energy Savings	System Energy Cost Savings Over Life of Lamp*
1000W	1075W	450W	625W	\$3,437
1000W	1075W	270W	805W	\$4,427
400W	460W	150W	310W	\$1,705
250W	290W	115W	175W	\$962
175W	210W	80W	130W	\$715
100W	120W	50W	70W	\$385

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

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* The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original rating (L70)

* Minimum order quantity = 1

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.

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



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