

Direct



Application illustration only, subject lamps not used in photo.



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

GE's 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% 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

- 2.5X Longer Life (50,000 hr LED vs 20,000 hr HID)
- 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

GE 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: <http://products.currentbyge.com>.

Information provided is subject to change without notice. Please verify all details with GE. All values are design or typical values when measured under laboratory conditions, and GE makes no warranty or guarantee, expressed or implied, that such performance will be obtained under end-use conditions.

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GE LED HID Type B Replacement Lamps

| Bulb Shape | Base Type | Watts | Order Code | Description | Fixture Rating | Volts | Case Qty** | MOL (ln) | MOD (ln) | Lumens Initial | Initial Color Temp | CRI | Wattage Replacement | *Rated Life L70 (Hrs) | DLC | Dimmable | #Location Rating | Additional Information |
|---|-----------|-------|------------------|-------------------------|-------------------------|---------|------------|----------|----------|----------------|--------------------|------|---------------------|-----------------------|-----|----------|--------------------------|--------------------------|
| LED Replacement Lamps for HID | | | | | | | | | | | | | | | | | | |
|  | MED | 21 | 27729 | LED21ED17/740 | Open and Enclosed Rated | 120-277 | 3 | 5.4 | 2.5 | 3,000 | 4000K | >70 | 50W | 50,000 | - | - | Damp | Ballast bypass required. |
| | | | 27732 | LED21ED17/750 | Open and Enclosed Rated | 120-277 | 3 | 5.4 | 2.5 | 3,000 | 5000K | >70 | 50W | 50,000 | - | - | Damp | Ballast bypass required. |
| | 35 | 27602 | LED35ED17/740 | Open and Enclosed Rated | 120-277 | 3 | 5.4 | 2.5 | 5,000 | 4000K | >70 | 70W | 50,000 | - | - | Damp | Ballast bypass required. | |
| | | | 27724 | LED35ED17/750 | Open and Enclosed Rated | 120-277 | 3 | 5.4 | 2.5 | 5,000 | 5000K | >70 | 70W | 50,000 | - | - | Damp | Ballast bypass required. |
| | 50 | 22779 | LED50ED23.5M/740 | Open and Enclosed Rated | 120-277 | 3 | 7.7 | 3.6 | 7,500 | 4000K | >70 | 100W | 50,000 | - | - | Damp | Ballast bypass required. | |
| | | 22768 | LED80ED23.5M/740 | Open and Enclosed Rated | 120-277 | 3 | 7.7 | 3.6 | 12,000 | 4000K | >70 | 175W | 50,000 | - | - | Damp | Ballast bypass required. | |
|  | EX39 | 50 | 22679 | LED50ED23.5/740 | Open and Enclosed Rated | 120-277 | 3 | 7.7 | 3.6 | 7,500 | 4000K | >70 | 100W | 50,000 | Yes | - | Damp | Ballast bypass required. |
| | | | 22739 | LED50ED23.5/750 | Open and Enclosed Rated | 120-277 | 3 | 7.7 | 3.6 | 7,500 | 5000K | >70 | 100W | 50,000 | Yes | - | Damp | Ballast bypass required. |
| | 80 | 22635 | LED80ED23.5/740 | Open and Enclosed Rated | 120-277 | 3 | 7.7 | 3.6 | 12,000 | 4000K | >70 | 175W | 50,000 | Yes | - | Damp | Ballast bypass required. | |
| | | | 22676 | LED80ED23.5/750 | Open and Enclosed Rated | 120-277 | 3 | 7.7 | 3.6 | 12,000 | 5000K | >70 | 175W | 50,000 | Yes | - | Damp | Ballast bypass required. |
| | 115 | 22622 | LED115ED28/740 | Open and Enclosed Rated | 120-277 | 3 | 8.3 | 4 | 18,000 | 4000K | >70 | 250W | 50,000 | Yes | - | Damp | Ballast bypass required. | |
| | | | 22623 | LED115ED28/750 | Open and Enclosed Rated | 120-277 | 3 | 8.3 | 4 | 18,000 | 5000K | >70 | 250W | 50,000 | Yes | - | Damp | Ballast bypass required. |
| | 150 | 22611 | LED150ED28/740 | Open and Enclosed Rated | 120-277 | 3 | 8.3 | 4 | 23,500 | 4000K | >70 | 400W | 50,000 | Yes | - | Damp | Ballast bypass required. | |
| | | 22613 | LED150ED28/750 | Open and Enclosed Rated | 120-277 | 3 | 8.3 | 4 | 23,500 | 5000K | >70 | 400W | 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* |
|--------------------------|--------------------|--------------------|-----------------------|---|
| 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.

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