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 50% 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
  - Designated 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 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

GE QUALITY AND RELIABILITY
- 5-year limited warranty
- 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.
## GE LED HID Type B Replacement Lamps

### LED Replacement Lamps for HID

<table>
<thead>
<tr>
<th>Bulb Shape</th>
<th>Base Type</th>
<th>Watts</th>
<th>Order Code</th>
<th>Description</th>
<th>Fixture Rating</th>
<th>Case Qty</th>
<th>MOL (In)</th>
<th>MOD (In)</th>
<th>Lumens Initial</th>
<th>Initial Color Temp</th>
<th>Watts Replacement</th>
<th>*Rated Life L70 [Hrs]</th>
<th>Dimmable</th>
<th>DLC</th>
<th>#Location Rating</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX39</td>
<td>115</td>
<td>93101396</td>
<td>LED115ED28/740/347/480</td>
<td>Open and Enclosed Rated</td>
<td>347-480</td>
<td>3</td>
<td>8.3</td>
<td>4</td>
<td>18,000</td>
<td>4000K &gt;70</td>
<td>250W</td>
<td>50,000</td>
<td>-</td>
<td>Pending</td>
<td>Damp</td>
<td>Ballast bypass required.</td>
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<tr>
<td>150</td>
<td>93101234</td>
<td>LED150ED28/740/347/480</td>
<td>Open and Enclosed Rated</td>
<td>347-480</td>
<td>3</td>
<td>8.3</td>
<td>4</td>
<td>23,500</td>
<td>4000K &gt;70</td>
<td>400W</td>
<td>50,000</td>
<td>-</td>
<td>Pending</td>
<td>Damp</td>
<td>Ballast bypass required.</td>
<td></td>
</tr>
</tbody>
</table>

### Energy Savings switching from HID to LED Type B

<table>
<thead>
<tr>
<th>Lamp Replacement Wattage</th>
<th>HID System Wattage</th>
<th>LED System Wattage</th>
<th>System Energy Savings</th>
<th>System Energy Cost SavingsOver Life of Lamp*</th>
</tr>
</thead>
<tbody>
<tr>
<td>400W</td>
<td>460W</td>
<td>150W</td>
<td>310W</td>
<td>$1,705</td>
</tr>
<tr>
<td>250W</td>
<td>290W</td>
<td>115W</td>
<td>175W</td>
<td>$962</td>
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</tbody>
</table>

* 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

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