**Specifications**

- **UL LISTED**
  - Factory or Field Installation (Indoor and Damp)
- **Illumination Time**
  - 90 Minutes
- **Initial Light Output**
  - 750 - 1300 Lumens
- **Full Warranty**
  - 5 Years (NOT pro-rata)
- **Dual Input Voltage**
  - 120/277 VAC, 60 Hz
- **AC Input Current**
  - 200 mA
- **AC Input Power Rating**
  - 4.0 Watts
- **Test Switch**
  - Single Pole
- **Battery**
  - High-Temperature, Maintenance-Free Nickel-Cadmium Battery
  - 7- to 10-Year Life Expectancy
- **Battery Charging Current**
  - 180 mA
- **Recharge Time**
  - 24 Hours
- **Charging Indicator Light**
  - LED
- **Temperature Rating (Ambient)**
  - 0°C to +50°C (32°F to 122°F)
- **Dimensions**
  - 21.5” x 1.18” x 1.18” (546 mm x 30 mm x 30 mm)
  - Mounting Center 21.1” (536 mm)
- **Weight**
  - 3.3 lbs. (1.5 kg)

**Benefits:**

- Low Profile case
- Emergency mode lumen output up to 1300 lumens
- One or Two-lamp operation
- End-of-Lamp-Life Compatible

**Dimensions**

- 21.5” x 1.18” x 1.18” (mounting center - 21.1”)

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A test switch and charging indicator light is provided.

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**Low-Profile for Space-Limited Fixtures**

**1300 Initial Lumen Output**

**End-of-Lamp-Life Compatible**

Product order number: B50LP (metal case)
B50LP
Flourescent Emergency Ballast, Low-Profile for Space-Limited Fixtures

Table 1 Lamp Compatibility

<table>
<thead>
<tr>
<th>LAMP</th>
<th>BASE</th>
<th>WATTAGE (Length)</th>
<th>NO. of LAMPS (EMERGENCY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T8, T9, T10, T12</td>
<td>Single or Bipin</td>
<td>17 - 40 W (2' - 4')</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>17 - 275 W (2' - 8')</td>
<td>2</td>
</tr>
</tbody>
</table>

Table 2 Initial Lumen Output

<table>
<thead>
<tr>
<th>LAMP</th>
<th>LUMENS</th>
</tr>
</thead>
<tbody>
<tr>
<td>F025, F8024 T8</td>
<td>950</td>
</tr>
<tr>
<td>FO32, F8031 T8</td>
<td>1050</td>
</tr>
<tr>
<td>FO96, T8</td>
<td>1050</td>
</tr>
<tr>
<td>F017, F8016 T8</td>
<td>850</td>
</tr>
<tr>
<td>F40T12, F40/U</td>
<td>850</td>
</tr>
<tr>
<td>F48T12/HO</td>
<td>900</td>
</tr>
<tr>
<td>F96T12, HO, VHO</td>
<td>850</td>
</tr>
<tr>
<td>F39/36BX, PL-L 36 W, DULUX L 39 W</td>
<td>900</td>
</tr>
<tr>
<td>F40 T12 ES (34 W)</td>
<td>750</td>
</tr>
</tbody>
</table>

APPLICATION
The B50LP low-profile emergency ballast works in conjunction with a low-profile or standard-size AC ballast to convert new or existing fluorescent fixtures into unobtrusive emergency lighting. The emergency ballast consists of a high-temperature nickel-cadmium battery, charger and electronic circuitry in one compact case. The B50LP can be used with most 17 - 215 W (2' - 8') T8, T9, T10 or T12 fluorescent lamps without integral starters, including U-shaped, HO, VHO, circular and energy-saving fluorescent lamps. One- or two-lamp operation may be selected (see Table 1). It is also compatible with most one-, two-, three- and four-lamp electronic, standard, energy-saving and dimming AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary. The B50LP is suitable for indoor and damp locations and for sealed & gasketed fixtures, including fixtures rated for wet locations. It is not suitable for air handling heated air outlets or wet or hazardous locations. For information about specific lamp and ballast compatibility, please contact the factory. Recommended applications include emergency lighting for pendant, cove, recessed indirect/direct, surface-mount and architectural lighting commonly used in office, hospitality, health care, retail and educational facilities.

OPERATION
When AC power fails, the B50LP automatically switches to emergency power, operating one or two lamps at a reduced lumen output for a minimum of 90 minutes. Depending on the number (one or two) of lamps selected, the B50LP produces 750 lumens initial emergency light output (see Table 2). If two-lamp operation is selected, light output is evenly divided between the lamps for better distribution of emergency illumination.

INSTALLATION
The B50LP does not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched fixture is used, unswitched hot lead must be connected to the emergency ballast. The emergency ballast must be fed from the same branch circuit as the AC ballast. The B50LP may be installed inside, on top of or remote from the fixture. The emergency ballast may be remotely installed up to half the distance the AC ballast manufacturer recommends remoting the AC ballast from the lamp or up to 50 feet, whichever is less. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C.

EMERGENCY ILLUMINATION
Depending on the number (one or two), wattage and type of lamps selected, the B50LP produces 750 to 1300 lumens initial emergency light output (see Table 2). If two-lamp operation is selected, light output is evenly divided between the lamps for better distribution of emergency illumination.

SPECIFICATION
Emergency lighting shall be provided by using a standard fluorescent fixture equipped with a Philips Bodine B50LP low-profile emergency ballast. The B50LP consists of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in one 21.5” x 11.8” x 11.8” galvanized steel case. A solid-state charging indicator light to monitor the charger and battery, a single-pole test switch and installation hardware shall be provided. The emergency ballast, using a patented circuit, shall delay AC ballast operation for approximately three seconds to prevent false tripping of the AC ballast end-of-lamp-life shutdown circuits. The emergency ballast shall be capable of operating [one or two] fluorescent lamp(s) (see Table 1) at an initial lumen output of [1 Lamp 2 Lamps].

WARRANTY
Model B50LP is warranted for five (5) full years from date of purchase. Please see detailed warranty information on our web site.

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