T5HO High Bay Compatibility
One- or Two-lamp Operation
Up to 3500 Lumen Output
End-of-lamp-life Compatible

Product order number: B30HV (galvanized metal case)

Specifications

**Benefits:**
- High lumen output for high bay applications
- Emergency mode lumen output up to 3500 lumens
- One- or Two-lamp operation
- End-of-Lamp Life Compatible
- Two-wire illuminated test switch

**Dimensions**
16.6” x 2.8” x 2.85” (mounting center - 16.05”)

- **Dimensions**
  - 16.6” x 2.8” x 2.85” (422 mm x 71 mm x 73 mm)
  - 2’ (610 mm) Flexible Conduit
  - Mounting Center 16.05” (408mm)

- **Weight**
  - 7.5 lbs. (3.41 kg)
B30HV
Flourescent Emergency Ballast, T5HO high bay, Up to 3500 lumen output

### Table 1 Lamp Compatibility

<table>
<thead>
<tr>
<th>LAMP DIAMETER</th>
<th>WATTAGE (Length)</th>
<th>NO. OF LAMPS (EMERGENCY)</th>
<th>BLUE/ORANGE CONNECTOR</th>
<th>YELLOW/RED CONNECTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;, 3&quot;, 5&quot;</td>
<td>Single or Bipin</td>
<td>16 - 40 W (2 - 4&quot;)</td>
<td>1 CLOSED</td>
<td>OPEN</td>
</tr>
<tr>
<td></td>
<td></td>
<td>40 - 215 W (5 - 8&quot;)</td>
<td>2 CLOSED</td>
<td>OPEN CLOSED</td>
</tr>
<tr>
<td>Long Compact</td>
<td>4-PIN (G24q)</td>
<td>18 - 38 W</td>
<td>1 CLOSED</td>
<td>OPEN</td>
</tr>
<tr>
<td></td>
<td></td>
<td>40 - 55 W</td>
<td>1 CLOSED</td>
<td>OPEN</td>
</tr>
<tr>
<td>Twin/Quad/Triple</td>
<td>4-PIN (G24q)</td>
<td>18 - 42 W</td>
<td>1 CLOSED</td>
<td>OPEN</td>
</tr>
<tr>
<td>2D</td>
<td></td>
<td>16 - 55 W</td>
<td>1 CLOSED</td>
<td>OPEN</td>
</tr>
<tr>
<td>T5</td>
<td>HO CIRCLINE 4-PIN</td>
<td>22 - 55 W</td>
<td>1 CLOSED</td>
<td>OPEN</td>
</tr>
<tr>
<td></td>
<td>G9 (G24q)</td>
<td>14 W</td>
<td>1 CLOSED</td>
<td>OPEN</td>
</tr>
<tr>
<td></td>
<td></td>
<td>21 - 35 W</td>
<td>2 CLOSED</td>
<td>OPEN CLOSED</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24 W</td>
<td>1 CLOSED</td>
<td>OPEN</td>
</tr>
<tr>
<td></td>
<td></td>
<td>39 - 54 W</td>
<td>1 CLOSED</td>
<td>OPEN</td>
</tr>
</tbody>
</table>

### APPLICATION
The B30HV emergency ballast works in conjunction with an AC ballast to convert new or existing fluorescent fixtures into emergency lighting. The emergency ballast consists of a nickel-cadmium battery, charger and electronic circuitry in one case. The B30HV can be used with most 4 - 215 W (2 - 8") T5, T8, T9, T10 or T12 fluorescent lamps without integral starters, including U-shaped, HO, VHO, clirne and energy-saving, and (4-pin) twin and quad compacts. 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 B30HV is suitable for indoor and damp 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 call the factory.

### OPERATION
When AC power fails, the B30HV immediately switches to the emergency mode, operating either one or two lamps at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the emergency ballast automatically returns to the charging mode and delays AC ballast operation for approximately three (3) seconds to prevent false tripping of the AC ballast end-of-lamp-life shutdown circuits.

### INSTALLATION
The B30HV does not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched fixture is used, an unswitched hardware shall be provided. The emergency ballast, consisting of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in one 16.6" x 2.8" x 2.85" metal case with a 57.6 Watt-hour battery capacity and shall exceed the AC ballast's end-of-lamp-life shutdown circuits.

The emergency ballast must be fed from the same branch circuit as the AC ballast. The B30HV may be installed 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 +5°C. A 2-wire illuminated test switch is provided.

### EMERGENCY ILLUMINATION
Depending on the number (one or two), wattage and type of lamps selected, the B30HV produces 1100 to 3500 lumens initial emergency light output. 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 B30HV emergency ballast. The B30HV shall consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry in one case. The B30HV can 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 +5°C. A 2-wire illuminated test switch is provided.

The emergency ballast must be capable of operating one or two fluorescent lamp(s) (see Table 1) at __________ lumens (see Table 2) initial light output in the emergency mode for a minimum of 90 minutes. It shall be suitable for indoor and damp locations. The B30HV shall have 8.6 Watts of input power and a 576 Watt-hour battery capacity and shall exceed emergency standards set forth by the current NEC. The emergency ballast shall be UL Listed for installation on top of or remote from the fixture and shall be warranted for a full five years from date of purchase.

### END-OF-LAMP-LIFE COMPATIBLE
This emergency ballast incorporates a circuit that delays the AC ballast operation for approximately three (3) seconds. This delay prevents the false tripping of the AC ballast’s end-of-lamp-life shutdown circuits.

### WARRANTY
The B30HV is warranted for five (5) full years from date of purchase. Please see detailed warranty information on our web site.

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