LED..B..QPMA Series Backlights

Datasheet

Backlights in 2 sizes for use with PresencePLUS® Sensors – QPMA Connector

- Diffused backlights with QPMA connector for use with PresencePLUS® sensors
- Continuous or strobed operation
- Solid-state LED matrix, in two sizes
- Two sizes available (see models below)
- Bracket option(s) available for each model

Important: Lea el siguiente instructivo antes de operar el luminario. Por favor descargue desde www.bannerengineering.com toda la documentación técnica de los LED..B..QPMA Backlight, disponibles en múltiples idiomas, para detalles del uso adecuado, aplicaciones, advertencias, y las instrucciones de instalación de estos dispositivos.

Models

<table>
<thead>
<tr>
<th>Model</th>
<th>LED Color</th>
<th>Wave Length</th>
<th>Active Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEDI70X70QPMA</td>
<td>Infrared</td>
<td>940 nm</td>
<td>71 mm x 71 mm (2.8 in x 2.8 in)</td>
</tr>
<tr>
<td>LEDRB70X70QPMA</td>
<td>Visible Red</td>
<td>660 nm</td>
<td></td>
</tr>
<tr>
<td>LEDI85X220QPMA</td>
<td>Infrared</td>
<td>940 nm</td>
<td>85 mm x 220 mm (3.35 in x 8.67 in)</td>
</tr>
<tr>
<td>LEDRB85X220QPMA</td>
<td>Visible Red</td>
<td>660 nm</td>
<td></td>
</tr>
</tbody>
</table>

Pinout

1. N/C
2. 24 V DC
3. Strobe
   - +5 V - OFF
   - GND - ON
4. GND

Specifications

- **Light Source**: LED; see models table for wavelengths
- **Illumination**: Lightly diffused, high-intensity area light
  - Infrared model: At a 24-inch distance, illuminates an 8-inch diameter area within 60% of the center intensity
  - Visible LED models: At a 12-inch distance, illuminates a 4-inch diameter area within 50% of the center intensity
- **Supply Voltage and Current**: 24 V DC at 250 mA maximum
  - See the electrical characteristics on the product label.
- **Connections**: 150 mm (6 in) attached PVC cable with 3-wire M12 x 1 male QPMA connector
- **Construction**: Low-carbon steel with black zinc plating, acrylic window
- **Useful Life**: 10,000 hours (LED ON time). When operated within specifications, output will decrease less than 30% after 10,000 hours and less than 40% after 20,000 hours
- **Operating Conditions**: 0 °C to +50 °C (+32 °F to +122 °F)
  - 90% at +50 °C maximum relative humidity (non-condensing)
Dimensions

All measurements are listed in millimeters [inches], unless noted otherwise.

Figure 1. Backlight, 70x70 mm model

Figure 2. Backlight, 85x220 mm model

Clean the Light

Regularly remove dust, dirt, or fingerprints from the light source.

1. Blow off dust using anti-static compressed air.
2. If necessary, use a lens cloth and lens cleaner or window cleaner to wipe off remaining debris.

Important: Do not use any other chemicals for cleaning the light source.
Accessory Mounting Brackets

**SMBABM**
- 13-ga. zinc-plated low-carbon steel
- (4) M4 Phillips flathead screws included
- For mounting the light from the front
- Accommodates backlight models LED..B70X70..

**SMBACM**
- 14-ga. zinc-plated low-carbon steel
- (4) M4 socket-head cap screws, washers and hex key included
- For mounting the light from the rear
- Accommodates backlight models LED..B70X70..

**SMBLB**
- Accommodates backlight models LED..B85X220..

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