Datasheet

Visible red or infrared backlights in 2 sizes, for use with PresencePLUS® P4 sensors

- Diffused backlight for PresencePLUS® P4 sensors
- Continuous light and strobed operation, selectable via sensor software
- Solid-state LED matrix, in two sizes
- Direct connection to PresencePLUS P4 sensor (if sensor is powered by 24V DC)
- Two sizes available; see models table
- Bracket option(s) available for all models

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..M Series 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>LEDIB70X70M</td>
<td>Infrared</td>
<td>940 nm</td>
<td>71 mm × 71 mm (2.8 in × 2.8 in)</td>
</tr>
<tr>
<td>LEDRB70X70M</td>
<td>Visible Red</td>
<td>660 nm</td>
<td></td>
</tr>
<tr>
<td>LEDIB85X220M</td>
<td>Infrared</td>
<td>940 nm</td>
<td>85 mm × 220 mm (3.35 in × 8.67 in)</td>
</tr>
<tr>
<td>LEDRB85X220M</td>
<td>Visible Red</td>
<td>660 nm</td>
<td></td>
</tr>
</tbody>
</table>

To order the 9 m (30 ft) integral cable model, add the suffix “W/30” to the model number (for example, LEDIB70X70M W/30).

Specifications

Light Source
LED; see models table for wavelengths

Illumination
Diffused for use in applications needing a backlit light source

Supply Voltage and Current
70×70 mm models: 24 V DC at 250 mA maximum
85×220 mm models: 24 V DC at 500 mA maximum
Voltage supplied by PresencePLUS P4 sensors, if operating at 24 V DC (see sensor manual)
See the electrical characteristics on the product label.

Connections
2 m (6.5 ft) or 9 m (30 ft) PUR-jacketed, 3-conductor attached cable

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)

Certifications

Original Document
116947 Rev. E
14 November 2019
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

<table>
<thead>
<tr>
<th>SMBABM</th>
<th>SMBACM</th>
<th>SMBLB</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 13-ga. zinc-plated low-carbon steel</td>
<td>• 14-ga. zinc-plated low-carbon steel</td>
<td>• Accommodates backlight models LED..B85X220..</td>
</tr>
<tr>
<td>• (4) M4 Phillips flathead screws included</td>
<td>• (4) M4 socket-head cap screws, washers and hex key included</td>
<td></td>
</tr>
<tr>
<td>• For mounting the light from the front</td>
<td>• For mounting the light from the rear</td>
<td></td>
</tr>
<tr>
<td>• Accommodates backlight models LED..B70X70..</td>
<td>• Accommodates backlight models LED..B70X70..</td>
<td></td>
</tr>
</tbody>
</table>

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### Mexican Importer

Banner Engineering de México, S. de R.L. de C.V.
David Alfaro Siqueiros 103 Piso 2 Valle oriente
San Pedro Garza García Nuevo León, C. P. 66269
81 8363.2714