

# 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

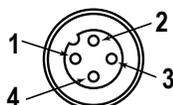


**Important:** Lea el siguiente instructivo antes de operar el luminario. Por favor descargue desde [www.bannerengineering.com](http://www.bannerengineering.com) toda la documentación técnica de los LED..B..QPMA Backlight, disponibles en múltiples idiomas, para detalles del uso adecuado, aplicaciones,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

## Models

Model	LED Color	Wave Length	Active Area
LEDIB70X70QPMA	Infrared	940 nm	71 mm × 71 mm (2.8 in x 2.8 in)
LEDRB70X70QPMA	Visible Red	660 nm	
LEDIB85X220QPMA	Infrared	940 nm	85 mm × 220 mm (3.35 in x 8.67 in)
LEDRB85X220QPMA	Visible Red	660 nm	

## 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 × 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.

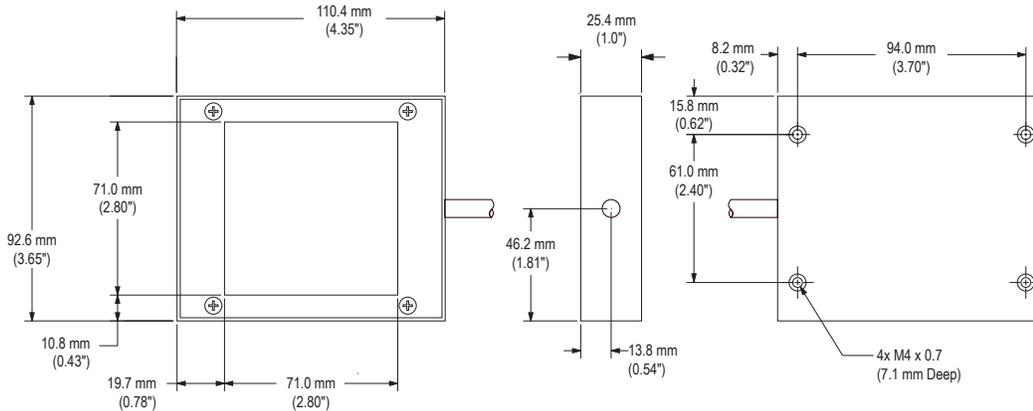


Figure 1. Backlight, 70x70 mm model

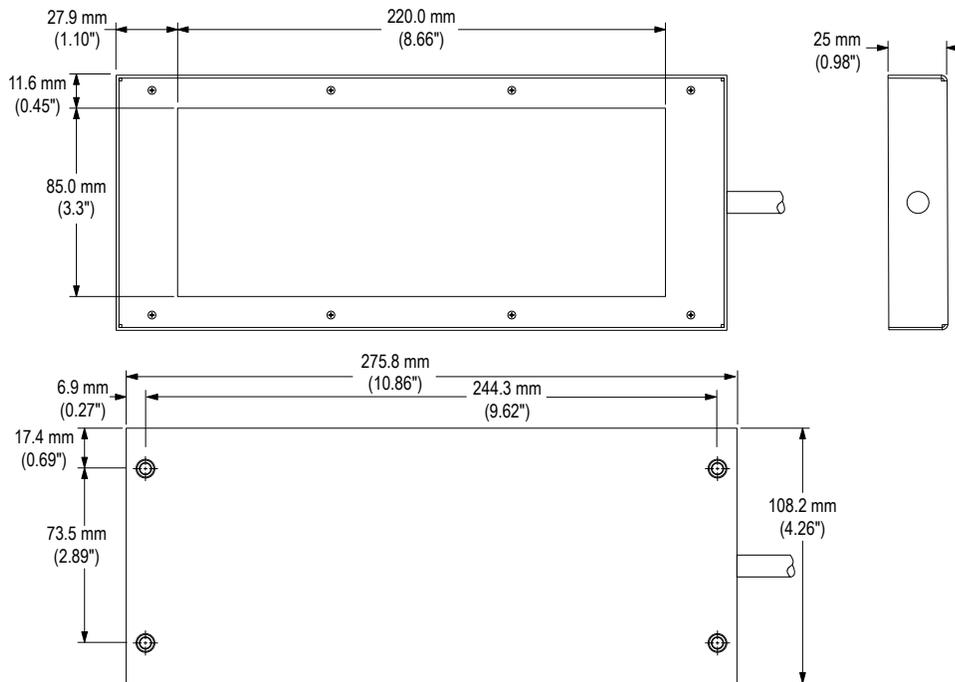


Figure 2. Backlight, 85x220 mm model

## 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.

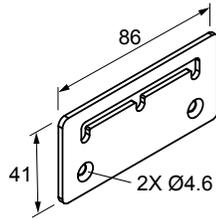


**Important:** Do not use any other chemicals for cleaning the light source.

## Accessory Mounting Brackets

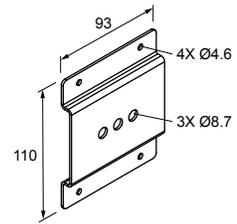
### SMBABM

- 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..



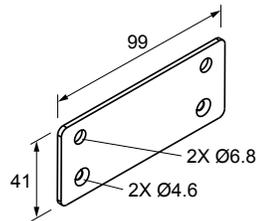
### SMBACM

- 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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## Mexican Importer

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