Features

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



- Diffused backlight for *Presence*PLUS® 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: Read the following instructions before operating the light. Please download the complete LED..B..W Backlight technical documentation, available in multiple languages, from www.bannerengineering.com for details on the proper use, applications, Warnings, and installation instructions of this device.

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..W Backlight, disponibles en múltiples idiomas, para detalles del uso adecuado, aplicaciones, advertencias, y las instrucciones de instalación de estos dispositivos.

IMPORTANT: Lisez les instructions suivantes avant d'utiliser le luminaire. Veuillez télécharger la documentation technique complète des LED..B..W Backlight sur notre site www.bannerengineering.com pour les détails sur leur utilisation correcte, les applications, les notes de sécurité et les instructions de montage.

Models

Model	LED Color	Wave Length	Active Area
LEDIB70X70M	Infrared	940 nm	71 mm × 71 mm (2.8 in × 2.8 in)
LEDRB70X70M	Visible Red	660 nm	
LEDIB85X220M	Infrared	940 nm	85 mm × 220 mm (3.35 in × 8.67 in)
LEDRB85X220M	Visible Red	660 nm	

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

Banner Engineering BV
Park Lane, Culliganlaan 2F bus 3
1831 Diegem, BELGIUM

Original Instructions
15-Jan-26

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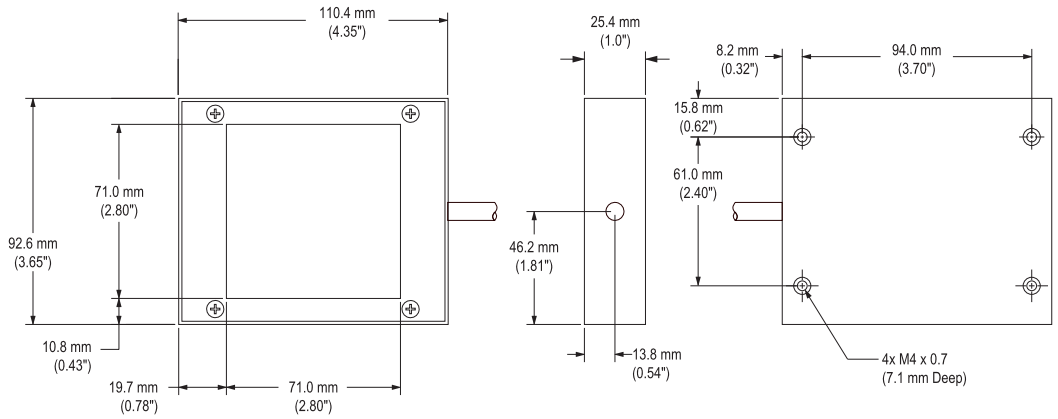
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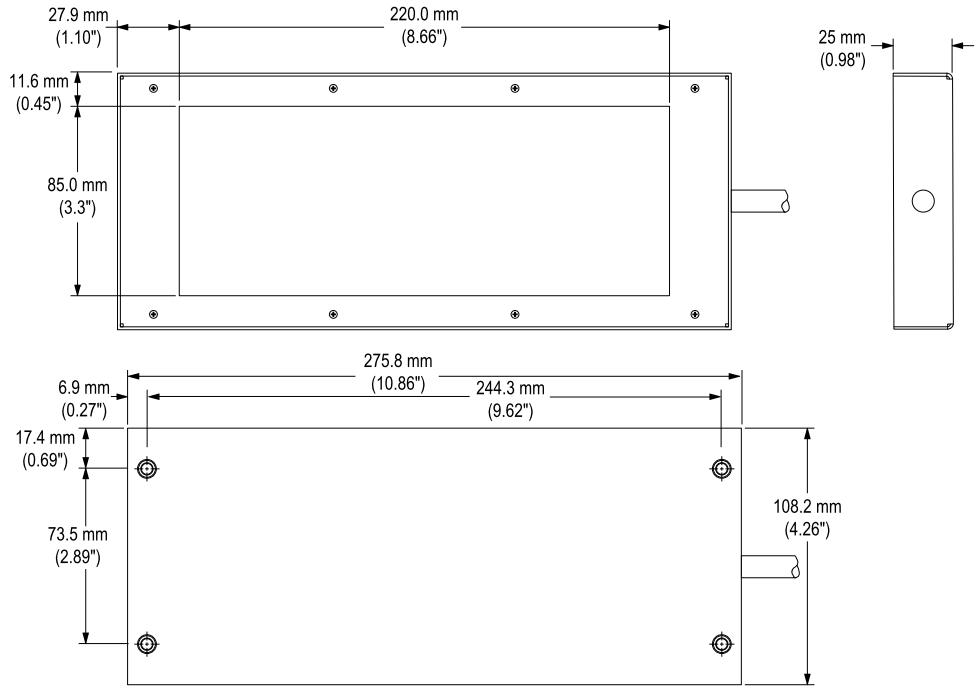
Dimensions

All measurements are listed in millimeters [inches], unless noted otherwise. The measurements provided are subject to change.

Backlight, 70x70 mm model



Backlight, 85x220 mm model



Clean the Light

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

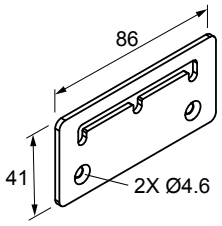
1. Blow off dust using anti-static compressed air.
2. If necessary, use a lens cloth and lens cleaner or window cleaner to wipe off remaining debris.

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

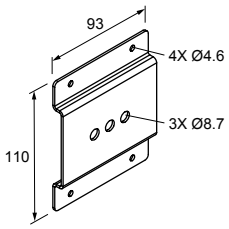
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Brackets

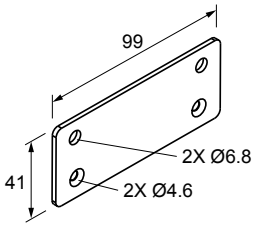
SMBABM
- 13-ga. zinc-plated low-carbon steel
- (4) M4 Phillips flathead screws included
- For mounting the light from the front
- Accommodates backlight models LED..B70X70..
- CAD Files: DXF, PDF, IGS, STP



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..
- CAD Files: DXF, PDF, IGS, STP



SMBLB
- Accommodates backlight models LED..B85X220..
- CAD Files: DXF, PDF, IGS, STP



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For patent information, see www.bannerengineering.com/patents.

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Banner Engineering de Mèxico, S. de R.L. de C.V. | David Alfaro Siqueiros 103 Piso 2 Valle oriente | San Pedro Garza Garcia Nuevo Leòn, C. P. 66269

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