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LED..A62X62W Series Area Lights

LED Area Lights for use with PresencePLUS® Pro sensors

Red or Infrared LED models

White, Green, or Blue LED models

Features

- Low-cost, compact area lights for *Presence*PLUS *Pro* sensor. See Banner's Web site (www.bannerengineering.com) for a complete lighting tutorial.

- Solid-state LED matrix; continuous or strobed operation is selectable via sensor software.

- Direct connection to *Presence*PLUS *Pro* or to an external power supply using 3 discrete wires.

- Two bracket options available.

Models

Models	Color	Ambient Light Filter Kit	Polarizing Filter Kit
LEDIA62X62W	Infrared, 940 nm	**FLTI (included with IR lights)**	—
LEDRA62X62W	Visible Red, 630 nm	**FLTR (included with LEDAPFKS)**	**LEDAPFKS**
LEDWA62X62W	White, All Visible	**FLTB or FLTG**	
LEDBA62X62W	Blue, 464 to 475 nm	**FLTB**	
LEDGA62X62W	Green, 520 to 540 nm	**FLTG**	

Specifications

Light Source	LED, see Models table above for wave lengths
Illumination	High-intensity area light
Supply Voltage and Current	**Infrared:** 24V dc @ 150 mA max. **All other colors:** 24V dc @ 200 mA max.
Connections	PVC-jacketed 3-conductor 2 m (6.5') 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 50% (less than 40% for red and IR models) after 20,000 hours.
Operating Conditions	**Temperature:** 0° to +50° C (+32° to 122° F) **Relative humidity:** 90% at 50°C (non-condensing) max.
Cleaning Instructions	Regularly remove any 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. Do not use any other chemicals for cleaning.

Wiring Table

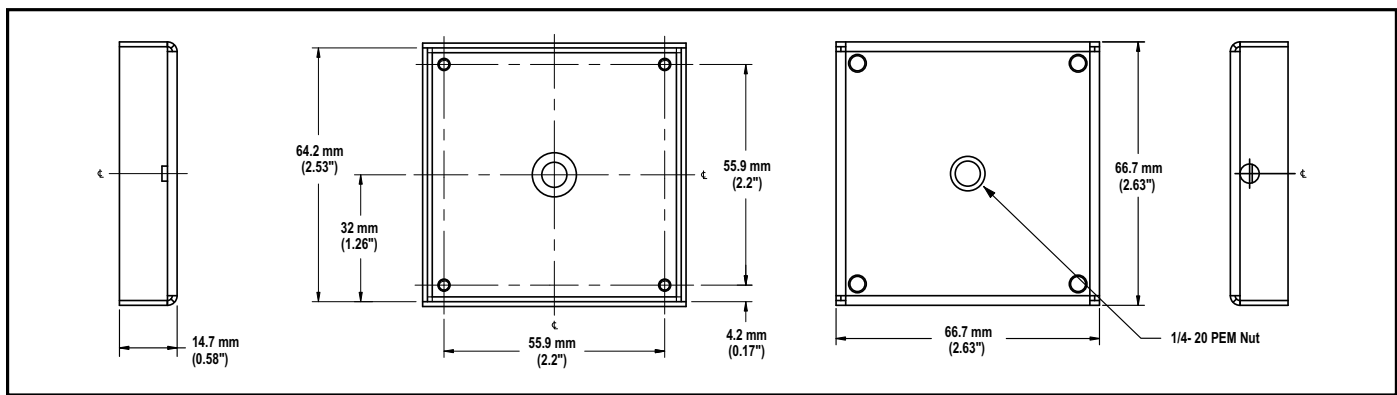| Area Light Wire	*PresencePLUS Pro* Controller Terminal Block	External Power Supply (Strobed)	External Power Supply (Continuous)
Brown	Pin 1 (+V*)	+V	+V
Blue	Pin 2 (-V*)	-V	-V
White	Pin 4 (strobe)	+5V dc OFF -V ON	-V

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Figure 1. Area light dimensions

Installing the Area Light

NOTE: Before installing this area light it is recommended that an ambient light filter be installed behind the lens. The filter improves image quality by reducing unwanted ambient light.
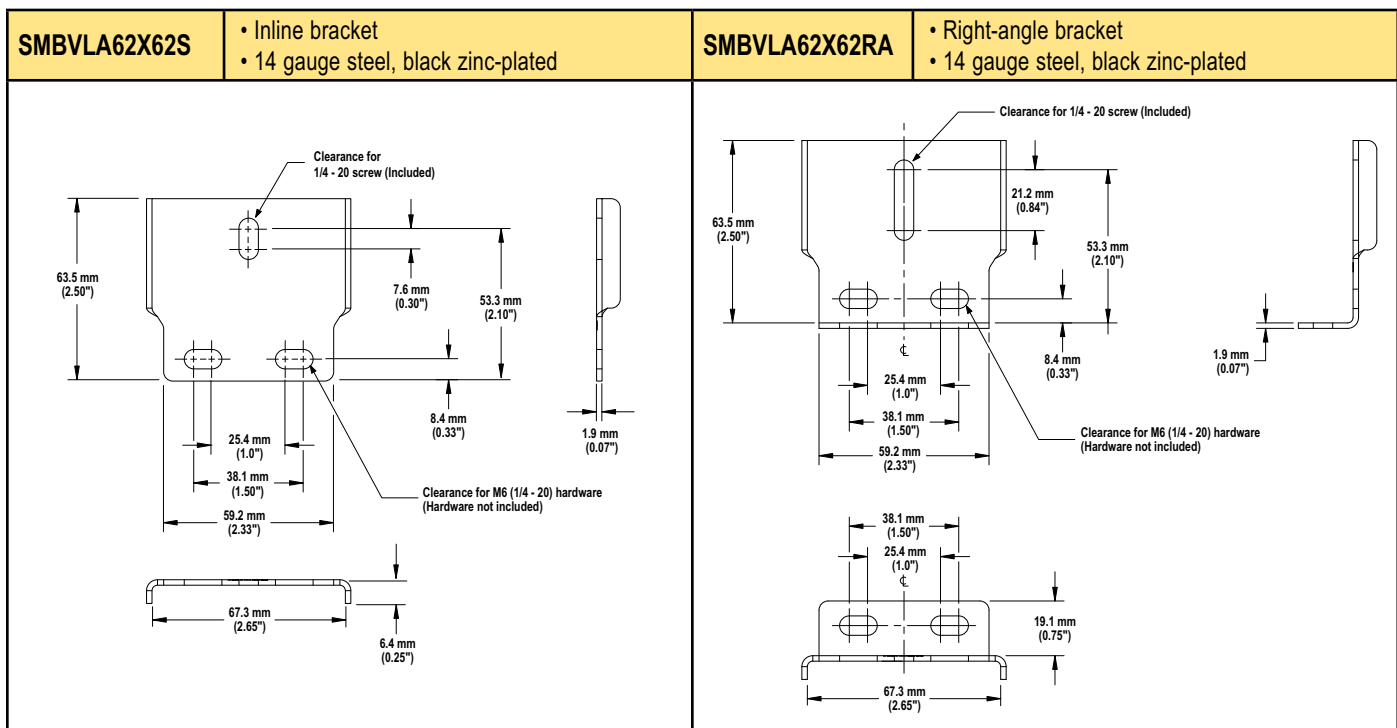
Sensing Shiny Surfaces

To eliminate direct reflections without using polarizing filters, angle the sensor approximately 15° (or more) from perpendicular to a shiny surface.

Polarizing Kit

If it is necessary to mount the camera at a 90° angle to a shiny surface, the polarizing filter kit provides filters for both the LED area light and sensor to reduce the negative effects of strong, direct light reflections. The red filter kit (FLTR) is included with the polarizing kit. When light colors other than red are used, discard the red filter in the polarizing kit and use the proper filter listed on page 1. The polarizing filters reduce the amount of light returned to the sensor.

Mounting Brackets

SMBVLA62X62S	• Inline bracket • 14 gauge steel, black zinc-plated	SMBVLA62X62RA	• Right-angle bracket • 14 gauge steel, black zinc-plated

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