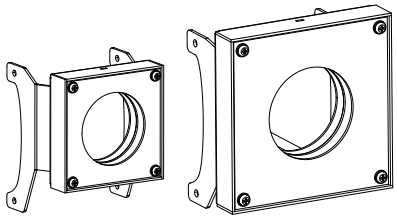
LED..R..W Series Ring Lights

Datasheet

LED Ring Lights (in two sizes) for use with PresencePLUS® Pro, ProII, and Mini Pro sensors



- Low-cost ring lights for PresencePLUS® Pro, ProII, and Mini Pro sensors
- Solid-state LED matrix; select continuous or strobed operation via sensor software
- Direct connection to a PresencePLUS® Pro, ProII, and Mini Pro sensor, or to an external power supply using 3 discrete wires
- Mounts directly to a PresencePLUS® Pro, ProII, and Mini Pro sensor using the included hardware

Models

*Presence*PLUS Pro and ProII Sensor Models					
Model [1]		Color	Ambient Light Filter Kit	Polarizing Filter Kit	
62 × 62 mm	80 × 80 mm			62 × 62 mm	80 × 80 mm
LEDIR62X62W	LEDIR80X80W	Infrared, 940 nm	FLTI	—	—
LEDRR62X62W	LEDRR80X80W	Visible Red, 630 nm	FLTR (included with LEDRRPFK)	LEDRRPFKS	LEDRRPFK
LEDWR62X62W	LEDWR80X80W	White, All Visible	FLTB or FLTG		
LEDBR62X62W	LEDBR80X80W	Blue, 464 to 475 nm	FLTB		
LEDGR62X62W	LEDGR80X80W	Green, 520 to 540 nm	FLTG		

*Presence*PLUS Mini Pro Sensor Models				
Models [1]	Color	Ambient Light Filter Kit	Polarizing Filter Kit	
62 × 62 mm			62 × 62 mm	80 × 80 mm
LEDIRM62X62W	Infrared, 940 nm	FLTI	—	—
LEDRRM62X62W	Visible Red, 630 nm	FLTR (included with LEDRRPFK)	LEDRRPFKS	LEDRRPFK
LEDWRM62X62W	White, All Visible	FLTB or FLTG		
LEDBRM62X62W	Blue, 464 to 475 nm	FLTB		
LEDGRM62X62W	Green, 520 to 540 nm	FLTG		

Installing the Ring Light

The ring light bracket attaches to the top of the *Presence*PLUS lens block, using the hardware kit provided.

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

Wiring Table

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 to +24V dc OFF	–V
		–V ON	

* +V = 24V dc ± 10%; –V = dc common

[1] For 9 m (30 ft) integral cable, add suffix "**W/30**" to the model number (for example, LEDIR80X80W W/30).

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 ring 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 (see Models tables). The polarizing filters reduce the amount of light returned to the sensor.

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.

Specifications

Supply Voltage and Current
62 x 62 Models: Infrared — 24 V dc at 100 mA max.
80 x 80 Models: 24 V dc at 250 mA max.
All other colors — 24 V dc at 130 mA max.

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

Construction
Low-carbon steel with black zinc plating, acrylic window

Light Source
LED, see Models table for wavelengths

Illumination
High-intensity ring light

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
0 °C to +50 °C (+32 °F to +122 °F)
90% at +50 °C maximum relative humidity (non-condensing)

Certifications
CE

Dimensions

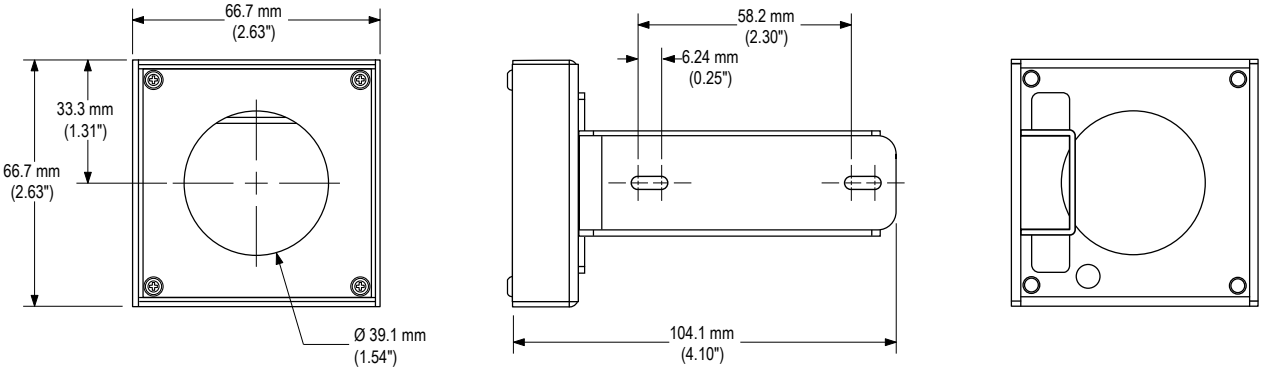


Figure 1. 62 × 62 mm Models for PresencePLUS Pro and ProII Sensor Models

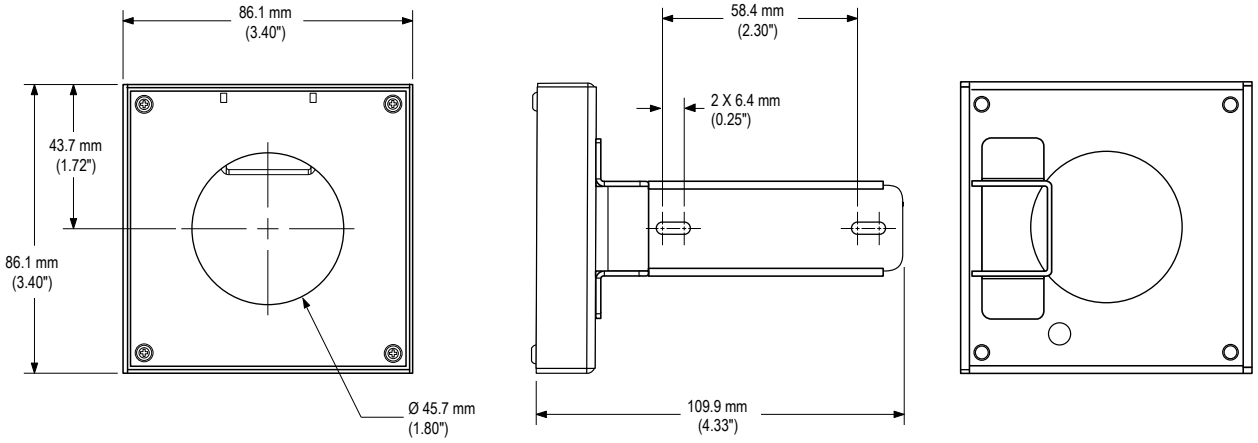


Figure 2. 80 × 80 mm Models for PresencePLUS Pro and ProII Sensor Models

Dimensions

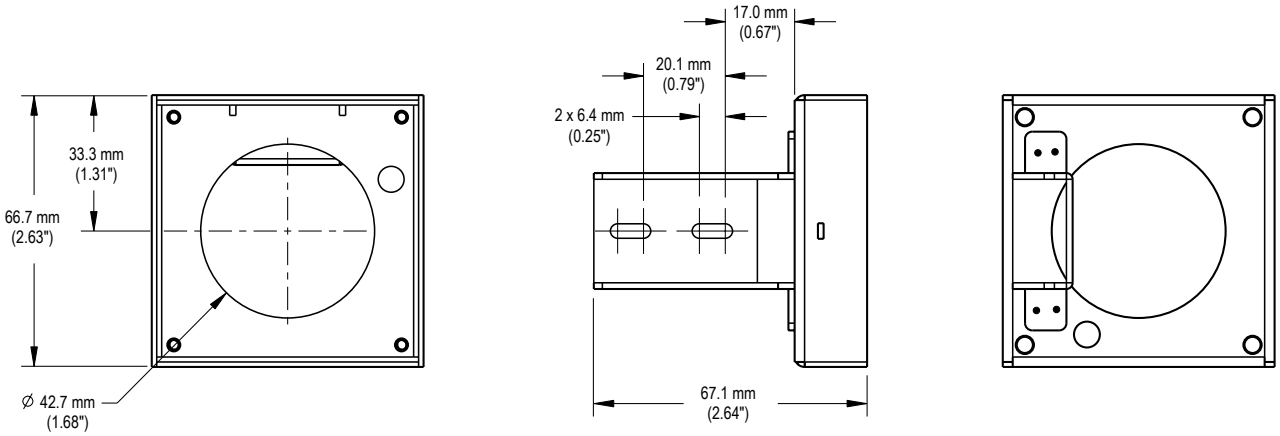


Figure 3. 62 × 62 mm Models for PresencePLUS Mini Pro Sensor Models

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