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LED..A70XD4-..High-Intensity Area Light

High-Intensity LED Area Light For Use With PresencePLUS and other Vision Systems

Features

- Compact area light for PresencePLUS and other Vision Systems
- Five extremely bright LEDs for illumination of targets from 0.15 meters to beyond 2 meters
- Continuous or strobed operation
- Fixed or adjustable intensity, depending on model
- Maintenance-free, rugged construction
- Optically isolated strobe signal

Models

Model*	LED Color	Cable
LEDRA70XD4-XQ	Red, 625 nm	150 mm (6") pigtail with threaded 5-pin Euro-style connector†
LEDWA70XD4-XQ	White, 5500 K	
LEDBA70XD4-XQ	Blue, 470 nm	
LEDGA70XD4-XQ	Green, 530 nm	
LEDIA70XD4-XQ	Infrared, 850 nm	
LEDRA70XD4-XM	Red, 625 nm	2 m (6.5') pigtail with threaded 3-pin Pico-style connector††
LEDWA70XD4-XM	White, 5500 K	
LEDBA70XD4-XM	Blue, 470 nm	
LEDGA70XD4-XM	Green, 530 nm	
LEDIA70XD4-XM	Infrared, 850 nm	

* For models with controllable intensity, add "P" to the model number (e.g., LEDRA70XD4-PQ).

† Requires Euro-style cordset.

†† Connects directly to the P4 sensor.

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Specifications

Feature	Description
Light Source	Five high-intensity LEDs; see models table for wavelengths
Illumination	610 mm (24") diameter usable light pattern at 1 m
Strobe	Optically isolated
Supply Voltage and Current	**Operating Voltage:** 24V dc ±10% **Strobe Voltage:** 5-24V dc @ 15 mA maximum **Current Draw at Full Intensity:** 350 mA max Built-in constant current regulator for LEDs Adjustable intensity control varies intensity for "P" models
Construction	**Enclosure rating:** IP50 (when mounted using the two ¼ - 20 holes in back) **Housing:** aluminum, black anodized **Window:** acrylic, clear with frosted diffusing surface on inside
Useful Life	50,000 hours (LED ON time). When operated within specifications, output will decrease less than 30% after 50,000 hours.
Operating Conditions	**Temperature:** 0° to +50° C (+32° to 122° F) **Relative humidity:** 90% (non-condensing)

Wiring Table

Wire Purpose	Cable Wire Color*	Continuous On Mode	Strobed Mode	*Presence*Plus Pro Controller Terminal Block
Power Wires	**Brown (1)**	+24V dc	+24V dc	Pin 01
	Blue (3)	common	common	Pin 02
Strobe Polarity Control	**Gray (5)**	open	**Active Low:** open **Active High:** connect to common (Blue wire)	Pin 02
Strobe Voltage Wires	**White (2)**	open	0V dc = ON (Active Low) 0V dc = OFF (Active High) +5 to 24V dc = OFF (Active Low) +5 to 24V dc = ON (Active High)	Pin 04
	Black (4)	open	Strobe common	Pin 02

(1) +24V dc
(2) Strobe (+)
(4) Strobe Common
(3) Common
(5)Active High/Active Low
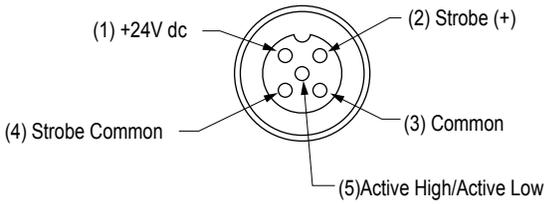
Figure 1: Pinouts for Mating Cable

* For Banner-supplied wire.

👉 **Note:** To meet CE certification requirements, the light needs to be connected to earth ground.

Light Adjustment

Intensity Adjustment

Adjust the light's intensity by turning the 270° Intensity potentiometer with a small flat-blade screwdriver. Apply power to the light and turn the potentiometer all the way clockwise for max. intensity. If the object to be sensed is too bright at max. intensity, turn the potentiometer down a little at a time, testing with the object, until the correct brightness is achieved.
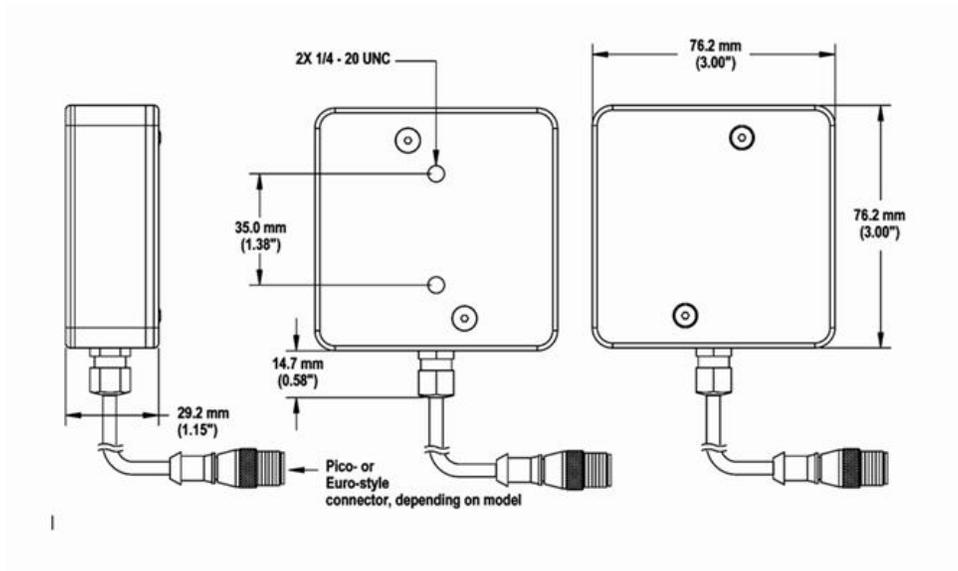
Back View Front View

Figure 1. Area light dimensions

Quick-Disconnect (QD) Cordsets

Style	Model	Length	Connector
5-Pin Threaded Euro-style, straight	**MQDC20-506** **MQDC20-515** **MQDC20-530**	2 m (6') 5 m (15') 9 m (30')	ø 15 mm (0.59") M12 x 1 44 mm max. (1.73")

Accessory Bracket

Model	Description	
SMBAMS70A	• Zinc-plated cold rolled steel right-angle bracket • Articulated slots for 90+ degrees rotation • two 1/4-20 screws included	

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