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Features

- 150 mm LED ring light for low-angle illumination. See Banner's website at www.bannerengineering.com for a complete lighting tutorial.

- Uses 3 tiers of LEDs mounted at 75° to the optical axis.

- Low-angle light enhances contrast of surface defects, etching, and embossed marks.

- Well suited for dot-peened or pin-stamped data matrix marks.

- Solid-state LED light source.

- Continuous or strobed operation is selectable via sensor software.

- Black anodized aluminum housing with ¼ - 20 threaded mounting holes.

- The suggested field of view is 80 mm in diameter and the suggested stand off is 12.5 mm.

Models

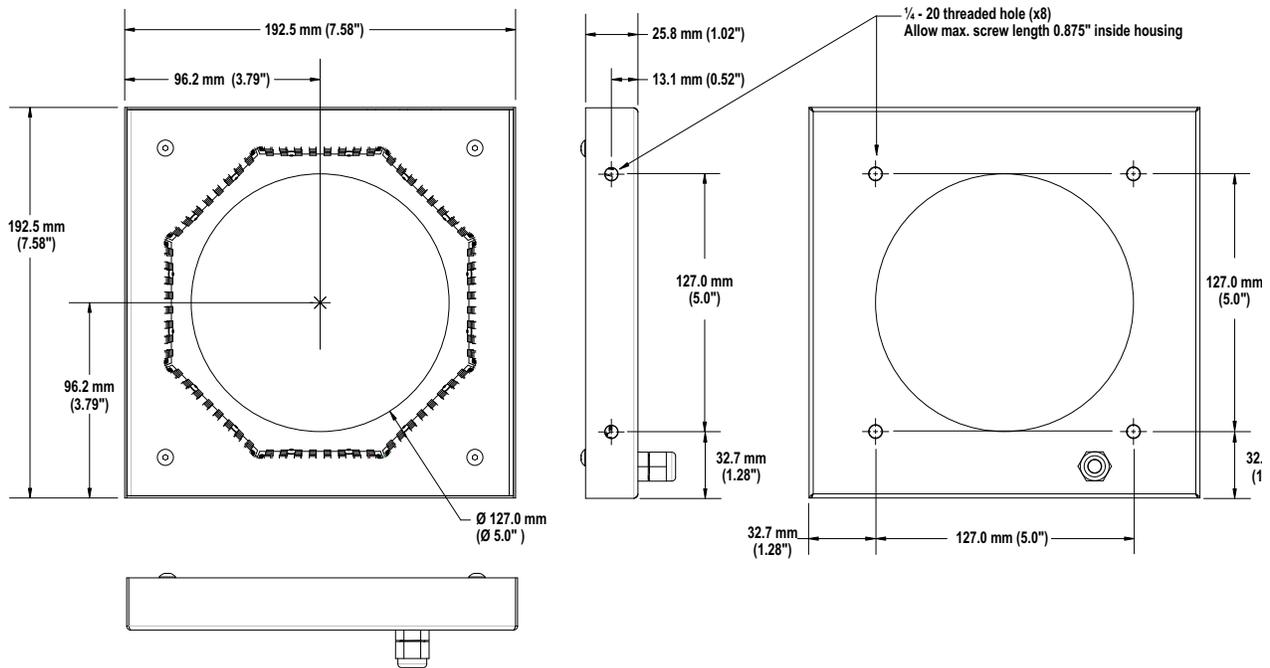| Models*	Illumination	Color	Cable/Connector	Supply Voltage and Current
LEDRI150-3W	High-intensity, low-angle light	Visible Red 640 nm	3-conductor, 2 m (6.5') attached cable with flying leads (see wiring table)	24V dc ±10% @ 500 mA max.
LEDII150-3W		Infrared 880 nm		24V dc ±10% @ 350 mA max.
LEDRI150-3M		Visible Red 640 nm	2 m (6.5') pigtail with 3-pin, 8 mm male Pico-style connector (direct connection to *Presence*PLUS *P4)*	24V dc ±10% @ 500 mA max. Voltage supplied by *Presence*PLUS sensor, if operating at 24V dc (see sensor manual).
LEDII150-3M		Infrared 880 nm		24V dc ±10% @ 350 mA max. Voltage supplied by *Presence*PLUS sensor, if operating at 24V dc (see sensor manual).

*For 9 m (30') cable, add suffix "**W30**" to the model number (e.g., **LEDRI150-3W W30**).

Specifications

Useful Life	When operated within specification, output will decrease less than 20% after 20,000 hours and less than 30% after 30,000 hours. NOTE: Actual useful life of strobed lights depends on duty cycle.
Environmental Rating	IEC IP0; NEMA 0
Operating Conditions	**Temperature:** 0° to +50° C (+32° to 122° F) **Maximum relative humidity:** 90% at 50° C (non-condensing) max.
Cleaning Instructions	Regularly remove any dust and dirt from the light source. Blow off dust using anti-static compressed air.
Certifications	CE

LED..I150-3.. 3-Tier Low-Angle Ring Light (150 mm)

Dimensions

¼ - 20 threaded hole (x8)
Allow max. screw length 0.875" inside housing

192.5 mm (7.58")
96.2 mm (3.79")
192.5 mm (7.58")
96.2 mm (3.79")
Ø 127.0 mm (Ø 5.0")
25.8 mm (1.02")
13.1 mm (0.52")
127.0 mm (5.0")
32.7 mm (1.28")
32.7 mm (1.28")
127.0 mm (5.0")
127.0 mm (5.0")
32.7 (1")

Wiring Table

LED..I150-3W Wire	*Presence*PLUS *Pro* Controller Terminal Block	External Power Supply (Strobed)	External Power Supply (Continuous)
Brown	Pin 1, +V (24V dc ±10%)	+V	+V
Blue	Pin 2, -V (dc common)	-V	-V
Black	Pin 4 (strobe)	+5V dc OFF -V ON	-V

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