

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



Datasheet

Non-Diffused Lighting for Increased Close-Up Contrast



- 150 mm LED ring light for low-angle illumination
- 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
- The suggested field of view is 80 mm in diameter and the suggested stand off is 12.5 mm



Important: Lea el siguiente instructivo antes de operar el luminario. Por favor descargue desde www.bannerengineering.com toda la documentación técnica de los LED..I150-3.. Low-Angle LED Ring Light, disponibles en múltiples idiomas, para detalles del uso adecuado, aplicaciones, advertencias, y las instrucciones de instalación de estos dispositivos.

Models

Model ¹	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 ft) attached cable with flying leads (see wiring table)	24V DC ±10% at 500 mA maximum
LEDII150-3W		Infrared, 880 nm		24V DC ±10% at 350 mA maximum
LEDRI150-3M		Visible red, 640 nm	2 m (6.5 ft) cable with 3-pin, 8 mm male Pico-style connector (direct connection to PresencePLUS P4)	24V DC ±10% at 500 mA maximum Voltage supplied by PresencePLUS sensor, if operating at 24V DC (see sensor manual).
LEDII150-3M		Infrared, 880 nm		24V DC ±10% at 350 mA maximum Voltage supplied by PresencePLUS sensor, if operating at 24V DC (see sensor manual).

Wiring Table

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

Specifications

See the electrical characteristics on the product label.

Construction

Black anodized aluminum housing with ¼ - 20 threaded mounting holes

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

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

Certifications

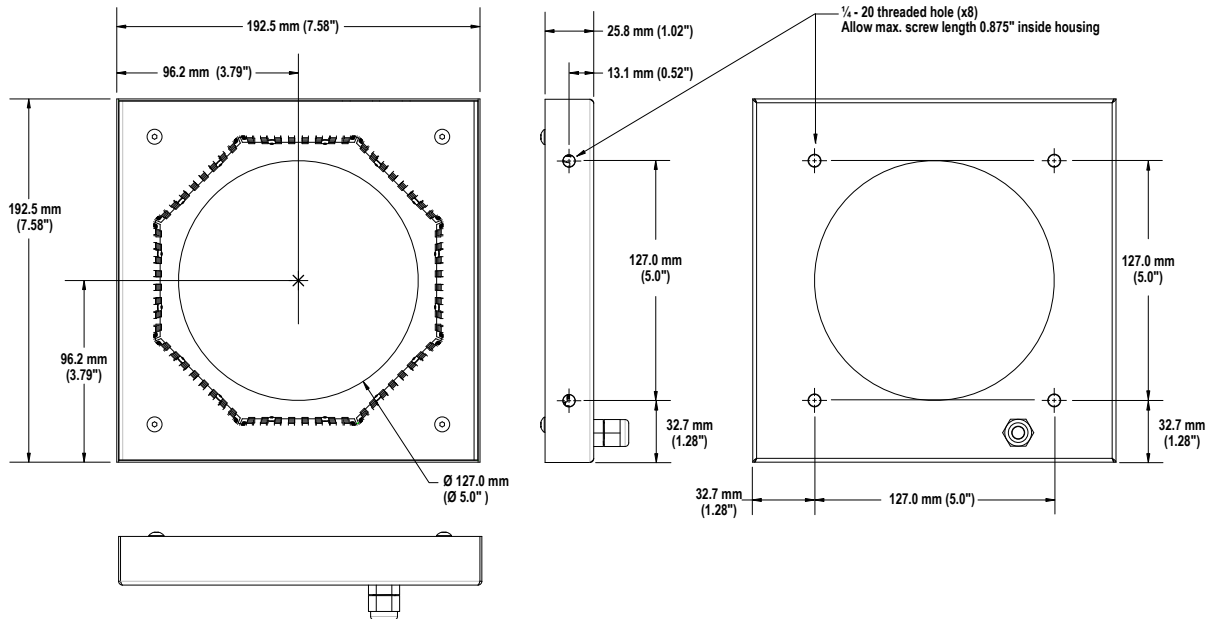


¹ To order the 9 m (30 ft) PVC cable model, add the suffix "W/30" to the cabled model number. For example, LEDRI150-3W W30.



Dimensions

All measurements are listed in millimeters [inches], unless noted otherwise.



Cleaning Instructions

Regularly remove any dust and dirt from the light source. Blow off dust using anti-static compressed air.

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