LED
PoE Ring Light

Imperx: *LED PoE Ring Light*

The LED Power-over-Ethernet (PoE) Ring Light is the latest innovation from IMPERX to simplify LED installation with minimal cabling. Using a patent-pending design, Ring Light power is derived from a PoE interface in which power and data are passed through to an adjoining PoE camera. While the LED PoE Ring Light can be used with any PoE camera, Bobcat cameras have a built-in pulse generator function that can be used to provide PWM intensity control.

Specifications

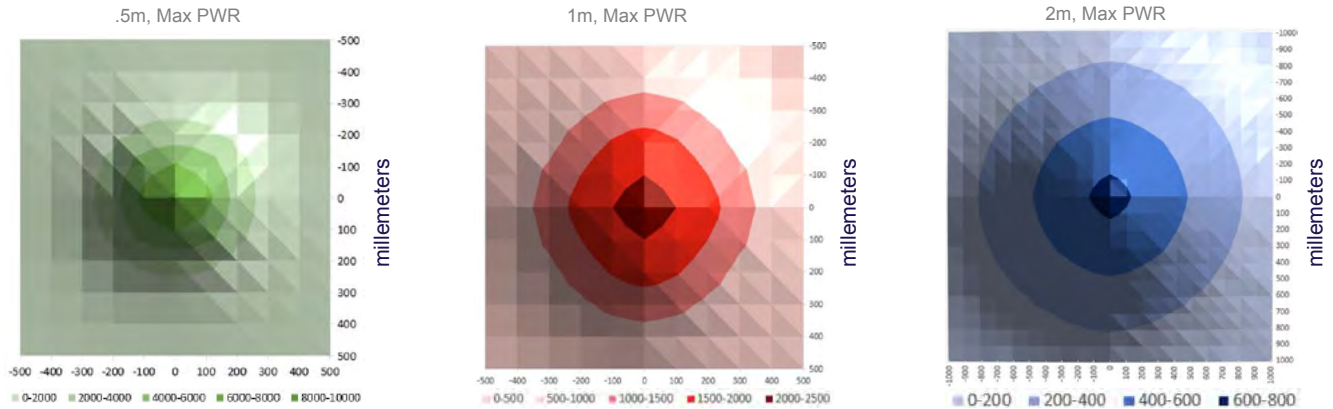| Feature	Description
General	LED Ring Light with PoE Pass Thru or DC Power input
Camera Power Output	24/12Vdc; (6W to 12W) *(see table)*
Electrical Input	PoE, PoE+, EXT 24Vdc adapter
Strobe Input	TTL and open collector (NPN) compatible
Signal Compatability	DC to 10kHz (PWM mode), active low (off)
Operating Modes	Continuous, strobe or PWM dimming
Camera Compatability	Any GEV Camera
Local Control	Rotary switch, adjustable from 20% to 100% (15 steps)
Remote Control	Strobe or PWM input for 0 to 100% dimming
Peak Light Intensity	15,000 lux @ .3m, 10,000 lux @ .5m
Working Distance	.5m to 5m
Connectors	RJ45 for PoE connection and camera data, Weidmüller OMNIMATE B2L 3.50F 6-position connector for remote power and user-supplied external power supply (optional)
IP Rating	IP50
Housing Material	Aluminum
Operation Temperature	-20°C to +50°C
Storage Temperature	-20°C to +70°C
Dimensions - Outside	86.0 x 34.8 x 130.0
Dimensions - Inside Opening	50.00 mm diameter
Weight	285g
Regulatory	CE, FCC
Available Lighting Colors	Standard: WHT-cool, WHT-neutral, RED Custom: Green, Blue, UV, IR

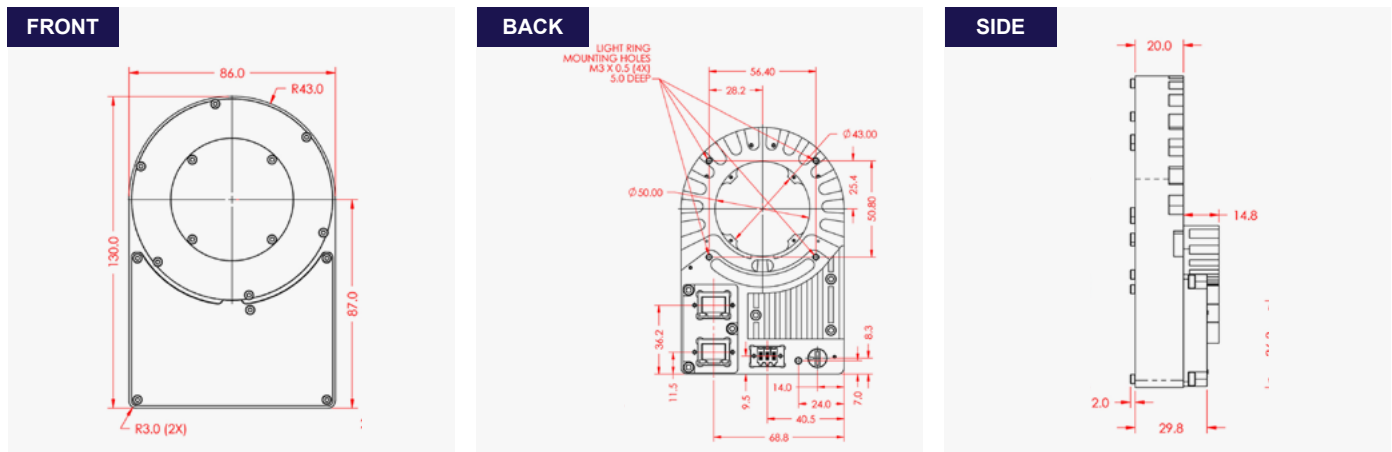### LED Ring Light Mounting Option with Camera

Imperx: *LED PoE Ring Light: Applications*

Controlled light pattern ● illumination above the ambient level ● Special wavelength light ● Dynamic capability ● fast on/off or level changes ● Light synchronized to camera (strobe) ● Efficient light source (better than incandescent) ● Long life light source much higher MTBF than incandescent ● Compact light source ● More stable illumination (time and temperature) ● Infinitely variable output
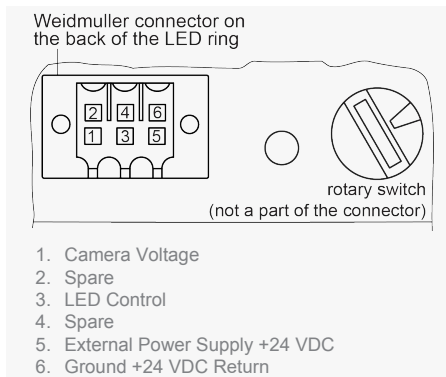
Light Distribution

.5m, Max PWR

1m, Max PWR

2m, Max PWR

Dimensions

FRONT

BACK

SIDE

Weidmüller OMNIMATE B2L 3.50F 6-pin Connector

Weidmuller connector on the back of the LED ring

rotary switch
(not a part of the connector)

1. Camera Voltage
2. Spare
3. LED Control
4. Spare
5. External Power Supply +24 VDC
6. Ground +24 VDC Return

Ordering Information

Light Type
LED

Body Type
Ring - (R)

Size
90mm - (090)

LED Lens Angle
Medium (Standard) - M
Narrow - (N)
Wide (No Lens) - W

Power and Control LED Light
GEV PoE - (G)

Custom ID #
(00) IMPERX Assigned

Compatibility
C-Mount Cameras
Bracket provided for Imperx Bobcat Camera

LED Color/Spectrum
White Cool (Standard) - 5600K - (WC)
White Neutral - 4100K (WN)
Red - 627 nm (RR)
Blue - 470.0 nm (BB)
Green - 530.0 nm (GG)
IR - 850.0 nm (IR)
UV - 365.0 nm (UV)

Diffuser	
Matte (Standard) - (0)	Clear - (1)

Power Options

Max PWR	LED	CAMERA	SYSTEM
PoE	6W	6W	15W max
PoE +	14W	8W	25W max
EXT	16W	12W	30W max

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IMPERX
Industrial Cameras & Imaging Systems