

# RBL

## Robolights Model: MB-RBL

Metabright™ Robolights provide high intensity direct illumination comparable to Metabright™ Front Lights and are designed for IP68 rated environments. Robolights feature rugged industrial housings for industrial work envelopes.

The Robolight is a cost effective and “integrator ready” machine vision illuminator with an integrated constant current driver (24 volt version).



### BENEFITS

- Rugged housings for industrial work envelopes
  - IP68 Black Anodized Aluminum
  - IP68 NEMA 4X Stainless Steel (optional)
- Tapped holes for mounting
- Lens options for Wide, Narrow, and Line (Exolight)
- Polarization option
- In-line strobe, 24VDC, ULC2, etc. versions available
- Standard wavelengths: Red, Green, Blue, IR, UV, RGB

### APPLICATIONS

- Large work envelopes
- Packaging, food and pharmaceuticals
- Wet/harsh environments
- Washdown applications
- Liquid filling
- NEMA 4X (optional)

### COMPLIANCE



## SPECIFICATIONS

Housing:	Aluminum, black anodized (optional stainless steel)
Operating Temperature:	-30°C to 60°C
Illuminance: (White LED)	106,000 Lux (consult Metaphase for possible Higher intensity versions)
Light Uniformity:	±5%
Lifetime Hours:	75,000

Model	Active Area		Model	Active Area	
MB-RBL-205	2 in. x 6 in.	5.08cm x 15.24 cm	MB-RBL-605	2 in. x 36 in.	5.08 cm x 91.44 cm
MB-RBL-285	2 in. x 7 in.	5.08 cm x 17.78 cm	MB-RBL-705	2 in. x 42 in.	5.08 cm x 106.68 cm
MB-RBL-305	2 in. x 12 in.	5.08 cm x 30.48 cm	MB-RBL-805	2 in. x 48 in.	5.08 cm x 121.92 cm
MB-RBL-365	2 in. x 16 in.	5.08 cm x 40.64 cm	MB-RBL-905	2 in. x 54 in.	5.08 cm x 137.16 cm
MB-RBL-385	2 in. x 18 in.	5.08 cm x 45.72 cm	MB-RBL-1005	2 in. x 60 in.	5.08 cm x 152.4 cm
MB-RBL-405	2 in. x 24 in.	5.08 cm x 60.96 cm	MB-RBL-1105	2 in. x 66 in.	5.08 cm x 167.64 cm
MB-RBL-505	2 in. x 30 in.	5.08 cm x 76.2 cm	MB-RBL-1205	2 in. x 72 in.	5.08 cm x 182.88

### WAVELENGTH (nanometers)

Note: Multispectral & custom wavelengths available

W	White 6000K
R	Red 630 nm
G	Green 530 nm
B	Blue 470 nm
IR	Infrared 850 nm (940 nm and longer IR wavelengths are available)
UVL	395 nm UV LED
UVS	365 nm
RGB	630/530/470 nm

### DRIVERS/OPTIONS

- **24V** – for use with a standard 24V constant voltage power supply [**24**]
- **ULC-2** – for use with constant current controllers such as our ULC-2 Universal Controller [**U**]
- **ILS** – configure for strobing applications with power boost for increased intensity for rising and falling edge triggers [**ILS**]
- **Keyence** – compatible with Keyence light controllers such as the Keyence CA-DC21e [**KEY**]
- **Baumer** – compatible with Baumer VeriSens cameras
- **Cognex** – compatible with Cognex cameras
- Versions also available for 3<sup>rd</sup> party controllers such as: Gardasoft, Trinita, Opteon, Visics, etc.

### LENS & POLARIZATION OPTIONS

N	Narrow (8°) – Standard
W	Wide (34°)
L	Line (Exolight)
P	Polarized light