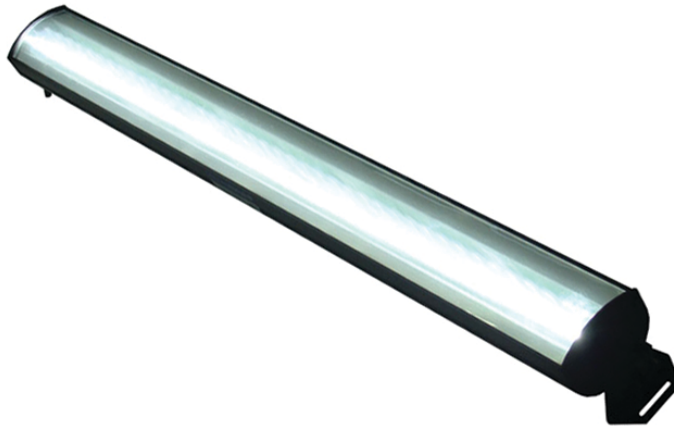# ISO

Exolight
Model: ISO

The Metaphase Exolight is used in more machine vision applications than any fluorescent replacement LED front light in the industry. Using our patented diffuser technology, the Exolight provides a 120° coverage area, similar to a fluorescent bulb but with 3X greater intensity. With such a large diffused and uniform coverage area, the Exolight is the go-to light for front lighting machine vision applications. With the latest LED technology, we can provide more color choices including IR and UV, and a longer lifetime.

BENEFITS

- Isotropic diffuser with 120° (±5%) uniform lighting
- Features a clamping style tilt bracket to allow easy positioning from 0-180°
- Available in a wide variety of colors: white, red, green, blue, RGB, UV IR, and even mixed LED technology
- Available in lengths up to 100 inches (2.54 meters)

SPECIFICATIONS

Cable:	10 ft (3 m) cable with flying leads
Housing:	Aluminum
Operating Temperature:	-30°C to 60°C
Illuminance:	170,000 Lux
Intensity Control:	0 – 10V intensity control built in. Compatible with optional DDC-3 and ILD-35-24-L
Lifetime hours:	75,000 hours

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
UVL	395 nm
UVS	365 nm
RGB	630/530/470 nm
RGBIR	(see ISO2)

SPECIFICATIONS (continued)

<table><tr><td colspan="6">The following sizes apply to all LED color options except RGB</td></tr></table>

Model	Length	Model	Length	Model	Length
ISO-2	2 in (5 cm)	ISO-34	34 in (86 cm)	ISO-68	68 in (173 cm)
ISO-4	4 in (10 cm)	ISO-48	48 in (122 cm)	ISO-71	71 in (180 cm)
ISO-8	8 in (20 cm)	ISO-53	53 in (135 cm)	ISO-89	89 in (226 cm)
ISO-14	14 in (35 cm)	ISO-57	57 in (145 cm)	ISO-96	96 in (244 cm)
ISO-19	19 in (48 cm)	ISO-60	60 in (152 cm)	ISO-100	100 in (254 cm)
ISO-23	23 in (312 cm)	ISO-63	63 in (160 cm)	ISO-114	114 in (290 cm)
ISO-30	30 in (76 cm)			ISO-119	119 in (302 cm)

Consult Metaphase Technologies for applicable sizes for the RGB LED color option.

Color Option	Option [U]	Option [24]
RGB	5 inch increments	10 inch increments

APPLICATIONS

- Automotive
- Medical
- Electronics
- Robotics
- Agriculture

OPTIONS /DRIVERS

- **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 3rd party controllers such as: Gardasoft, Triniti, Opteon, Visics, etc.

COMPLIANCE

RoHS compliant CE

CONTACT US

Contact your Metaphase Technologies representative at 215-639-8669 or your local representative for additional details, options, and customizations.

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