

# ISO2

## EXO2 Model: ISO2

Our brand new 2<sup>nd</sup> generation Exolight builds upon the world renowned, ground breaking technology of the original Exolight Series. Our new molded Lumiform diffuser provides a dramatic increase in uniformity, coverage area, and resistance to impact. With a 130 degree spread of uniform lighting, the EXO2 is perfect for even the most sensitive area scan application and its high level of diffusion makes it a great candidate for transmission or backlight applications; even for line scan. Hard molding makes the diffuser extremely durable to impact and can be configured for IP rating with greater water and dust resistance.



### FEATURES

- Lumiform diffuser with 130° (±5%) uniform lighting
- Hard molded diffuser for durability and resistance to impacts
- 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 a large variety of sizes up to 132 inches (3.4 meters) in length

### 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	630/530/450/850 nm

### SPECIFICATIONS

Cable:	10 ft (3 m) cable with flying leads
Housing:	Aluminum
IP Rating:	IP65
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

#### Vision Light Tech B.V.

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## SPECIFICATIONS (continued)

**The following sizes apply to all LED color options except RGB and RGBIR**

Model	Length	Model	Length	Model	Length
ISO2-5	5 in (12 cm)	ISO2-53	53 in (135 cm)	ISO2-96	96 in (244 cm)
ISO2-8	8 in (20 cm)	ISO2-57	57 in (145 cm)	ISO2-100	100 in (254 cm)
ISO2-14	14 in (35 cm)	ISO2-60	60 in (152 cm)	ISO2-114	114 in (290 cm)
ISO2-19	19 in (48 cm)	ISO2-63	63 in (160 cm)	ISO2-119	119 in (302 cm)
ISO2-23	23 in (312 cm)	ISO2-68	68 in (173 cm)	ISO2-132	132 in (335 cm)
ISO2-30	30 in (76 cm)	ISO2-71	71 in (180 cm)		
ISO2-34	34 in (86 cm)	ISO2-89	89 in (226 cm)		
ISO2-48	48 in (122 cm)				

**Consult Metaphase Technologies for all applicable sizes for the RGB and RGBIR LED color options.**

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

## APPLICATIONS

- Automotive
- Medical
- Electronics
- Robotics
- Agriculture
- Sorting facilities
- Bar code reading
- Transportation

## 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 3<sup>rd</sup> party controllers such as: Gardasoft, Trinit, Opteon, Visics, etc.

## COMPLIANCE



## CONTACT US

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