



Exolights™ (Linear Illuminators)

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.

The choice is clear; the affordable and powerful Metaphase Exolight is the right solution for you!

Features:

- Isotropic diffuser with 120° (+/-5%) of 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 a large range of sizes up to 100" in length (2.54 meters)

Applications

Can be used for a vast array of front lighting and back lighting applications in wide variety of industries such as:

- Automotive
- Medical
- Electronics
- Robotics
- Agricultural
- Sorting facilities
- Bar code reading
- Transportation
- And more!!!!







Power Source	24VDC
Current Draw (max)	.1A min @2" 7A Max @100"
Cable	10 foot (3.05 m) cable with flying leads
Housing	Aluminum
Operating Conditions	-30° C to 60° C
Lifetime Expectancy	75,000 Hours
Illuminance	170,000 Lux*
Compliance	CE RoHS
Intensity Control	0-10V intensity control built in. Compatible with optional DDC-3 and ILD-35-24-L

*Please contact your Metaphase representative for possible higher intensity versions.

Color LED Option

Fill in the set of brackets [] with corresponding wavelength code* from the table

	[Code]	Wavelength (nanometers)
	R	630nm Red LED
	G	530nm Green LED
	B	470nm (Optional 450nm) Blue LED
	IR	850nm (Optional 880nm-940nm) infrared
	W	6000° Kelvin / Highest Intensity
	RGB	625nm / 530nm / 470nm (discrete RGB LED packaging)
	UVL (UV Long)	395nm UV LED
	UVS (UV Short)	365nm LED

*Please contact your Metaphase representative for information regarding wavelengths that do not appear above.

Model #	Length
ISO-2	2"
ISO-4	4"
ISO-8	8"
ISO-14	14"
ISO-19	19"
ISO-23	23"
ISO-30	30"
ISO-34	34"
ISO-48	48"
ISO-63	63"

Driver Options:

We Offer our lights with many different driver configurations to make the lights compatible with the latest LED controllers and Vision Cameras. This provides greater flexibility, control, and convenience when integrating Metaphase Illumination systems

Some drivers may not be compatible with all sizes due to current requirements etc. Please contact a Metaphase Representative for details.

- **24v** – Our most popular configuration for use with a standard 24V constant voltage power supply
- **ULC-2** – [Compatible – For use with constant current controllers such as our ULC-2 Universal Controller](#)
- **ILS** – Configured for Strobging applications with PowerBoost for increased intensity for rising and falling edge triggers

- **Keyence** – Compatibility with Keyence light controllers such the Keyence CA-DC21E
- **Baumer** – Compatibility with Baumer VeriSens cameras
- **Cognex** – Compatibility with Cognex cameras

IP (Ingress Protection) Rated Options

Please contact *Metaphase* or your local representative for information regarding IP rated versions of this light for harsh environments (water, dust, etc).



PLEASE NOTE

All documents, drawings, and information should be used as reference ONLY.
Contact your Metaphase representative for the most current data and information.