

CIS Coaxial Illumination System

Uniform coaxial illumination for imaging of flat specular surfaces. Available with white, red and infrared LEDs.



- Available with white, red and infrared LEDs
- Compact, lightweight and reliable modules in different standard sizes
- Shadow-free coaxial illumination
- Strobe use applicable
- Special coated mirror protection glass (for CIS 150/150 only optional)

Technical Specifications

Optical features

Light emitting diodes (LED)	white: 7800K, red: 623nm, infrared: 875nm
Light emitting surface (area)	25 x 25mm / 50 x 50mm / 75 x 75mm 100 x 100mm / 150 x 150mm
Average LED lifetime*	white: 30.000h / red, IR: 70.000h
LED radiation class	1

Electrical Characteristics

Supply Voltage V_s	24 V DC
Connector	M12 male; 4 poles / DIN 41524 plug (only CIS-25)

Mechanical Characteristics

Enclosure	Aluminium body, black anodized, IP20
MPG mirror protection glass	Camera side

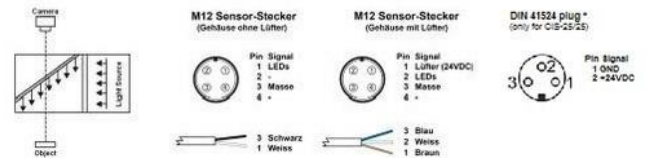
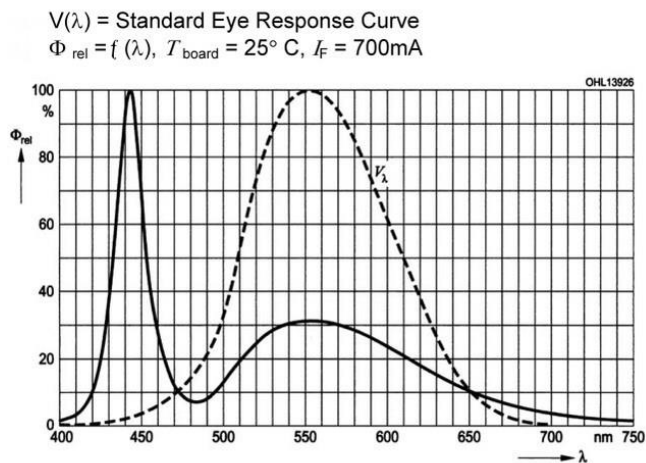
Ambient Conditions

Ambient temperature	Operating: 0Â°C - 40Â°C / Storage: 0Â°C - 50Â°C
Humidity	Max. 95%, relative, no condensing

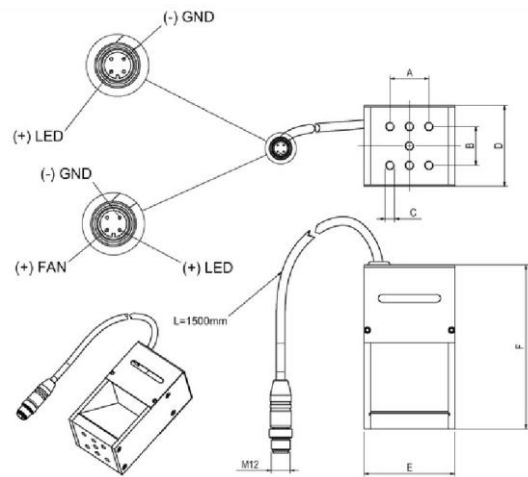
*Drop in intensity to 50%

Current Consumption

CIS	White	Red	Infrared
25	150mA	100mA	100mA
50	500mA	300mA	450mA
75	600mA	500mA	650mA
100	1200mA	1300mA	2000mA
150	2400mA	1950mA	3000mA



From CIS 50 all enclosures equipped with fan



Dimensions Chart

CIS / Weight	A	B	C	D	E	F
CIS 25 / 70g	10mm	10mm	(7x)M4 t=4mm	31mm	31mm	67mm
CIS 50 / 330g	25mm	25mm	(7x)M6 t=8mm	52mm	58mm	105.5mm
CIS 75 / 720g	37.5mm	35mm	(7x)M6 t=8mm	77mm	83mm	141mm
CIS 100 / 1300g	50mm	50mm	(7x)M6 t=8mm	102mm	108mm	174mm
CIS 150 / n.A.	100mm	100mm	(7x)M6 t=8mm	150mm	158mm	251mm

RoHS compliant. Specifications subject to change without notice.

Variants

Product	Part No.
CIS-25/25, white, 24VDC * (DIN 41524)	76402.000
CIS-25/25, red, 24VDC * (DIN 41524)	76402.600
CIS-25/25, infrared, 24VDC * (DIN 41524)	76402.750
CIS-50/50, white, 24VDC	76507.000
CIS-50/50, red, 24VDC	76507.600
CIS-50/50, infrared, 24VDC	76507.750
CIS-75/75, white, 24VDC	76508.000
CIS-75/75, red, 24VDC	76508.600
CIS-75/75, Infrared, 24VDC	76508.750
CIS-100/100, white, 24VDC	76509.000
CIS-100/100, red, 24VDC	76509.600
CIS-100/100, Infrared, 24VDC	76509.750
CIS-150/150, white, 24VDC	76576.000
CIS-150/150, red, 24VDC	76576.600
CIS-150/150, Infrared, 24VDC	76576.750

Accessories

Product	Part No.
CIS Mirror Protection Glasses	
Mirror Protection Glass for CIS 25/25	16402.011
Mirror Protection Glass for CIS 50/50	16507.011
Mirror Protection Glass for CIS 75/75	16508.011
Mirror Protection Glass for CIS 100/100	16509.011
Mirror Protection Glass for CIS 150/150	16576.007
CIS Trans Reflex Beam Splitter	
Trans reflex beam splitter for CIS 25/25	16402.015
Trans reflex beam splitter for CIS 50/50	16507.015
Trans reflex beam splitter for CIS 75/75	16508.015
Trans reflex beam splitter for CIS 100/100	16509.015
Trans reflex beam splitter for CIS 150/150	16576.013