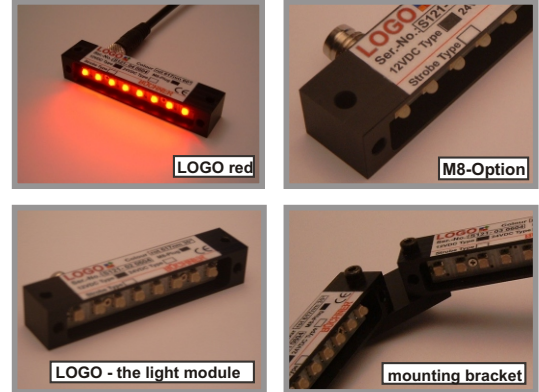


Professional Lighting Systems for Industrial Imaging



the versatile and compact LED light module for direct toplight

- luminous SMD LEDs (lensed)
- homogeneous illumination of objects
- modular and versatile applicable
- various colors, various radiation angles
- very cost-effective
- long lifecycle for industrial use
- sturdy, one-piece Alu housing
- compact size
- easy and versatile mounting
- models for 12VDC, 24VDC or flash operation



technical specifications

standard LED-Types:	617nm (amber) 30°, 617nm (amber) 60°, 880nm (IR) 50°, white (x:0,32 / y:0,33) 40°
number of LEDs:	8 SMD LEDs
voltage supply in DC mode:	12 or 24 VDC
flash modes:	Strobe or LFC (optional)
lifetime of LEDs *:	approx. 100.000 h *
operation/ambient temperature:	50° Celsius
cable length with DC type:	1,5m, optional M8 plug
cable length with strobe:	1m with system plug
case construction:	Alu milled, anodised, black
total weight with M8-plug:	30 g
current consumption 12VDC-Type red/IR:	approx. 70mA
current consumption 12VDC-Type white:	approx. 45mA
current consumption 24VDC-Type rot/IR:	approx. 35mA
current consumption 24VDC-Typ white:	approx. 25mA

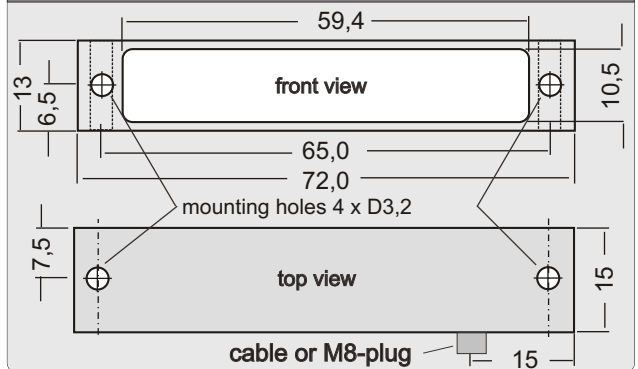
* producer info: valif for LED in std. colors (e.g. amber, IR) at 25°C temperature

optical specifications

color	wavelength/ radiation angle	Intensity distance 5 cm			
		50*	75*	intensity	aperture**
amber	617 nm 30°	ca. 60x25	ca. 35x15	ca. 30W/m ²	B16 x8***
amber	617 nm 60°	ca. 60x50	ca. 40x30	ca. 20 W/m ²	B11 x8***
IR	880 nm 50°	ca. 70x40	ca. 50x25	ca. 10 W/m ²	B16
weiß	x:0.32/y:0.33 / 40°	ca. 70x40	ca. 40x25	ca. 3,5 W/m ²	B16
		distance 10cm			
amber	617 nm 30°	ca. 60x40	ca. 35x30	ca. 12 W/m ²	B8-11 x8***
amber	617 nm 60°	ca. 85x75	ca. 50x50	ca. 9 W/m ²	B5,6-8 x8***
IR	880 nm 50°	ca. 90x80	ca. 50x50	ca. 5 W/m ²	B8
white	x:0.32/y:0.33 / 40°	ca. 90x80	ca. 60x50	ca. 1,5 W/m ²	B8

other colors or combinations thereof on demand

dimensions (mm)



optional equipment

- model with M8 socket equipped
- mounting bracket for fixing combinations of two (or more) lamp boxes

LOGO models

Order-No.	Description
S121-0001	LOGO R617/30° 12VDC
S121-0002	LOGO R617/30° 24VDC
S121-0003	LOGO R617/30° Strobe
S121-0004	LOGO R617/60° 12VDC
S121-0005	LOGO R617/60° 24VDC
S121-0006	LOGO R617/60° Strobe
S121-0007	LOGO IR880/50° 12VDC
S121-0008	LOGO IR880/50° 24VDC
S121-0009	LOGO IR880/50° Strobe
S121-0010	LOGO white 40° 12VDC
S121-0011	LOGO white 40° 24VDC
S121-0012	LOGO white 40° Strobe
S121-M8	M8-Plug
S121-0001	mounting bracket

Security Advice!

LED lighting systems may produce highly intense radiation that might damage your eyesight.
Never look into cone of light without eye protection!

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subject to technical alterations

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we enforce vision
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Useful information:

The LEDs with larger radiation angle are best for soft illumination at short distance. Smaller radiation angles are - dependant on the aperture value - better suited for longer working distances. By using two or more lighting systems per application (with a calculated overlapping of the light cones), the homogeneity and/or the illumination of the individual object can be modified.

Gloss

** luminous spot at 50% intensity and 75% intensity*

*** value used in test setting resulting in a video image just below saturation point of light (operating distance 5cm and 10 cm).*

Aperture values serve only as guide lines, as value is influenced by a number of possible variables

**** measured value by usage of a neutral density filter with factor 8*