

EL200I70

camera additional lighting • Line lights

LED line light, 210x18x20mm, infrared light, 850nm, 4W, 22-26V DC, M8 connector 4-pin, IP54, aluminum+PMMA



Suitable for continuous and flash operation

For testing tasks of any kind with a camera sensor, selecting the right illumination is essential, as only high-contrast images can be reproducibly evaluated. And this is where illumination has a decisive influence. The selection depends on various factors such as the distance to the test object, its size, the component criterion to be tested or the expected environmental conditions.

Electrical features

Type of electrical connection	Connector M8
Rated operating current	450 mA
Flash controller	internal
Power	4 W
Max. peak current	900 mA
Number of pins	4
Protection class	III
Operating voltage (DC)	22,8 - 25,2 V
ardSOCA_ElektrischerAnschluss	M8 4-pin plug connector
ardSOCA_Betriebsspannung	23-25VDC

Mechanical features

Design	Cuboid
Width	18 mm
Light field width	10 mm
Height	20 mm
Length	210 mm
Light field length	200 mm
Degree of protection (IP)	IP54
Front screen scattering behavior	clear
Housing material	Aluminum
Front screen material	Polymethyl methacrylate
Working distance range	10 - 200 mm
Ambient temperature	10 - 30 °C
ardSOCA_Abmessungen	210x18x20mm

Optical features

Number of LEDs	36
Lamp	LED
Light source	Infrared light
Wavelength of the sensor	850 nm
Angle of beam spread	45 °
Risk group	0

Other features

Relative air humidity (non-condensing)	30 - 70 %
Operational mode	Flash operation Permanent operation Switching operation

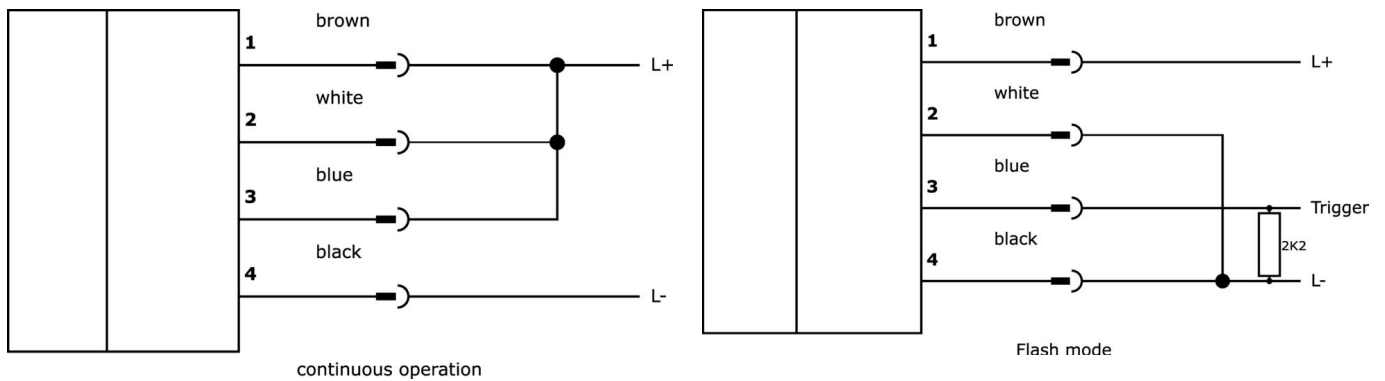
Classification

ETIM 8

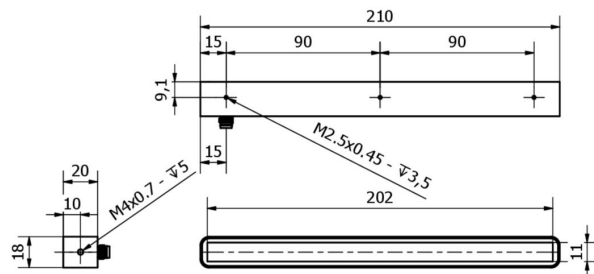
More

IPF Product Group	915 camera illumination
packaging dimensions	330 x 47 x 43 mm
gross weight	188 g
Customs tariff number	94054239
WEEE number	40951076
RoHS-compliant	Yes

Connection



Dimensional drawing



Extract accessories program

VK030F81



Connection cable, 0.3m, M8 socket 4-pin angular, M12 connector 4-pin straight, 4x0.34mm², PUR (polyurethane), 60V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

VK030F85




Connection cable, 0.3m, M8 socket 4-pin straight, M12 connector 4-pin straight, 4x0.34mm², PUR (polyurethane), 60V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

VK003071




Cable socket, Angular, Suitable for self-assembly, Soldering connection, Ø3.5-5mm, 4A, 30V, -40-85°C, M8 Female (socket) 4pin, IP67, Brass

VK003075




Cable socket, Straight, Suitable for self-assembly, Soldering connection, Ø3.5-5mm, 4A, 30V, -40-85°C, M8 Female (socket) 4pin, IP67, Brass

VK200375




Connection cable, 2m, M8 Female (socket) 4pin Straight, Free conductor end, 4x0.34mm², PUR (Polyurethane), Ø4.7mm, 30V, -30-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

VK06F001



Line for camera lighting in continuous operation on OC53 with internal flash controller, 0.6m, M8 socket 4-pin straight, M8 connector 4-pin straight, 4-wire

VK06F002



Line for camera lighting in flash mode to OC53 with internal flash controller, 0.6m, M8 socket 4-pin straight, M8 connector 4-pin straight, 4-wire

You can find further accessories on our homepage



Installation

Mounting / installation may only be carried out by a qualified electrician!



Disposal

WEEE number according to § 6 para. 3 ElektroG: 40951076

Safety warnings

- /** Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.
- /** Never use these devices in applications where the safety of a person depends on their functionality.
- /** LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.