

## ES460I20

### camera additional lighting • Spotlights

LED spotlight, 56x46x46mm, infrared light, 9W, 850nm, 13° angle of emitted beam, 24V DC, M12-connector 5pin, IP54, aluminum+PMMA



### small angle of emitted beam

The spotlights in the "EP460x20" series use particularly bright LEDs. These deliver approx. four times as much power as standard LEDs. In addition to the brighter LEDs, there is a small lens on each LED that focuses the light to a smaller angle of beam spread. This ensures additional brightness even at greater distances.

Another lens on the light exit in the housing ensures a defined angle of beam spread of 13°.

The optional holder enables precise alignment to the desired operating range.

#### Electrical features

Type of electrical connection	Connector M12
Rated operating current	600 mA
Flash controller	internal
Power	9 W
Max. peak current	1500 mA
Number of pins	5
Protection class	III
Operating voltage (DC)	22,8 - 25,2 V
ardSOCA_ElektrischerAnschluss	M12 5-pin plug connector
ardSOCA_Betriebsspannung	23-25VDC
ardTEEL_Schutzfunktionen	Reverse polarity protection

#### Mechanical features

Width	46 mm
Height	56 mm
Length	46 mm
Degree of protection (IP)	IP54
Front screen scattering behavior	diffuse
Housing material	Aluminum
Front screen material	Polycarbonate
Working distance range	100 - 700 mm
Ambient temperature	10 - 30 °C
ardSOCA_Abmessungen	46x46x56mm

**Optical features**

Number of LEDs	1
Lamp	LED
Light source	Infrared light
Wavelength of the sensor	850 nm
Angle of beam spread	13 °
Risk group	2

**Other features**

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

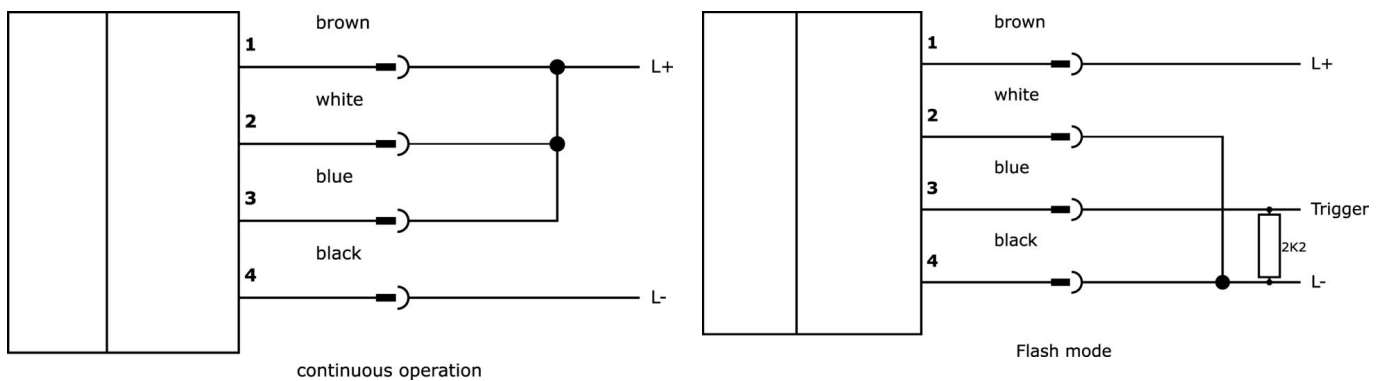
**Classification**

ETIM 8	EC000348 Machine and workbench light
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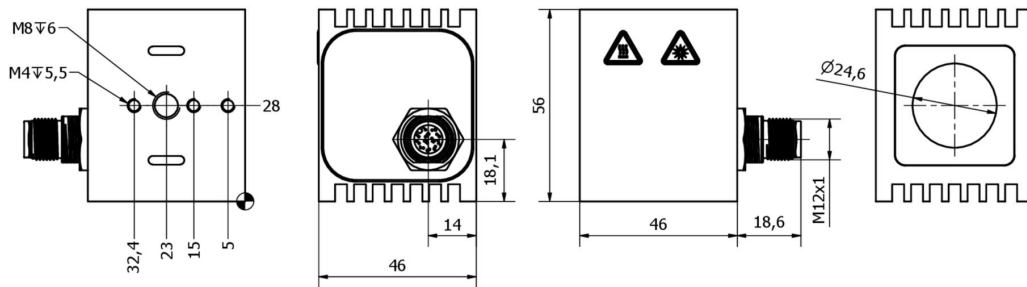
**More**

IPF Product Group	915 camera illumination
packaging dimensions	160 x 99 x 60 mm
gross weight	263 g
Customs tariff number	94054239
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**



**Dimensional drawing**



**Extract accessories program**

**AO000660**



Light up accessories, ball joint holder, 40x40x100mm, 360° rotatable, 180° swivel, white aluminum

**AO000673**



Accessories Optical, ball-and-socket joint, M8 threaded bolt, 40x55mm, aluminum

**VK200321**



Connection cable, 2m, M12 Female (socket) 4pin Angular, Free conductor end, 4x0.34mm<sup>2</sup>, PUR (Polyurethane), Ø4.7mm, 250V, -40-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

**VK200325**



Connection cable, 2m, M12 Female (socket) 4pin Straight, Free conductor end, 4x0.34mm<sup>2</sup>, PUR (Polyurethane), Ø4.7mm, 250V, -40-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

**VK200621**



Connection cable, 2m, M12 Female (socket) 5pin Angular, Free conductor end, 5x0.34mm<sup>2</sup>, PUR (Polyurethane), Ø5.4mm, 60V, -25-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

**VK200625**



Connection cable, 2m, M12 Female (socket) 5pin Straight, Free conductor end, 5x0.34mm<sup>2</sup>, PUR (Polyurethane), Ø5.4mm, 60V, -25-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

**VK06F004**



Line for camera lighting in flash mode on OC53 with internal flash controller, 0.6m, M8 connector 4-pin straight, M12 socket 4-pin straight, 4-wire

**VK06F003**



Line for camera lighting in continuous operation on OC53 with internal flash controller, 0.6m, M8 connector 4-pin straight, M12 socket 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

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**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.