

## EM500123

### LED lights • Machine and bench lights

LED machine light, Ø50mm 305long, white light, 12.3W, 1899lm, 5700K, 22-26V DC, -30-50°C, M12 connector 4-pin, IP67/IP69K, stainless steel+plastic PC, opal white



**/ V4A stainless steel end caps**

**Durable coating to prevent dirt from adhering  
Up to a cleaning temperature of +80°**

These robust and compact high-power surface-mounted LED lights impress with their high performance. Thanks to their polycarbonate housing, the lights are suitable for use in production environments in the food and pharmaceutical industries.

The luminaire diameter is 50 mm. The special stainless steel end caps also serve to dissipate heat. The lights can be used at ambient temperatures of up to 50 °C.

The angle of emitted beam of 100° ensures that a large area is evenly illuminated.

The color temperature is 5,700 K. The use of SMD LEDs produces a uniform and flicker-free light.

Holders made of PP/V4A (AO000562) are available for the lights up; alternatively, holders AE000048 and AE000049 are also available for mounting.

The connection is made via an M12-connector made of V4A. The positive pole of the voltage supply can be connected via PIN 1 (brown) or PIN 4 (black).

#### Electrical features

Type of electrical connection	Connector M12
Rated operating current	500 mA
Power	12.3 W
Luminous flux	1899 lm
Number of pins	4
Protection class	III
Operating voltage (DC)	21,6 - 26,4 V
Adjustable brightness	via pulse width modulation
ardSOCA_ElektrischerAnschluss	M12 4-pin plug connector
ardTEEL_Lichtausbeute	155 lm/W
ardSOCA_Betriebsspannung	22-26VDC

**Mechanical features**

Design	Pipe
Diameter	50 mm
Length	305 mm
Degree of protection (IP)	IP67 / IP69k
Front screen scattering behavior	diffuse
Housing material	Stainless steel (V4A)
Front screen material	Polycarbonate
Ambient temperature	-30 - 50 °C
ardSOCA_Abmessungen	Ø50mm, 305mm long
ardTEME_IkStoßfestigkeitsgrad	IK09 (20cm – 5kg)

**Optical features**

Color temperature	5700 K
Light source	White light
Angle of beam spread	100 °
Risk group	0

**Other features**

Average nominal service life	100000 h
Harsh environmental conditions	Yes

**Classification**

ETIM 8
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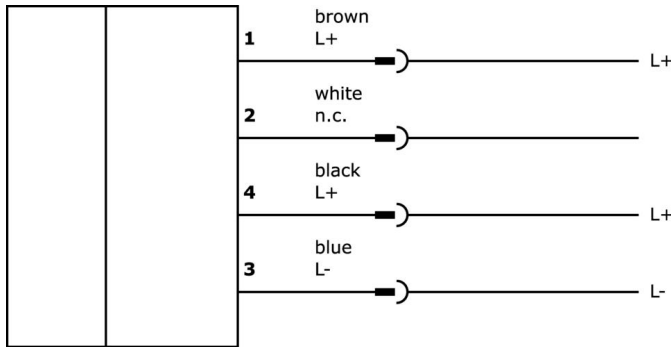
**More**

IPF Product Group	190 machine illuminations
packaging dimensions	400 x 82 x 80 mm
gross weight	710 g
Customs tariff number	94054239
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

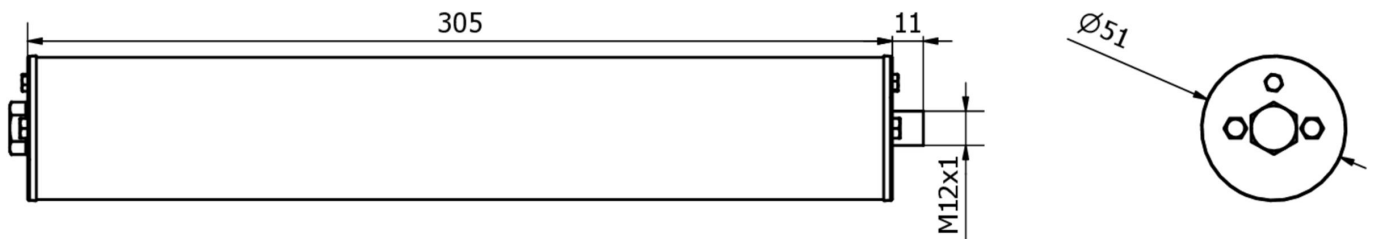
**Important notes**

**/** This article is not intended for use in environments containing oil and cooling lubricants!

**Connection**



**Dimensional drawing**



**Extract accessories program**

**VK030F25**



Connection cable, 0.3m, M12 socket 4-pin straight, M12 connector 4-pin straight, 4x0.34mm<sup>2</sup>, PUR (polyurethane), 240V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

**AO000562**



accessories optical, Other, Mounting material for lights

**AE000049**



Optical accessories, mounting material for light up, cable straps

**AE000048**



Accessories Optical, mounting material for light up, spring clamp, stainless steel

**VY000007**



LED brightness module, 55x145x121mm, 4A, 24V DC, M12 connector, IP40, plastic

**NG400501**



DC power supply, 1-phase, 125x114x40mm, 24-28V, 5A, 90-264V AC 50Hz, 90-264V AC 60Hz, 127-370V DC, screw connection, IP20, aluminum, stabilized, pulsed output voltage

**VK20R321**



Connection cable, 2m, M12 Female (socket) 4pin Angular, Free conductor end, 4x0.34mm<sup>2</sup>, PUR (Polyurethane) Orange, Ø5.2mm, 250V, -40-90°C, IP67, TPU, 4A, Robotics, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Weldi...

**VK20R325**



Connection cable, 2m, M12 Female (socket) 4pin Straight, Free conductor end, 4x0.34mm<sup>2</sup>, PUR (Polyurethane) Orange, Ø5.2mm, 250V, -40-90°C, IP67, TPU, Robotics, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding ...

**VK200021**



Connection cable, 2m, M12 Female (socket) 3pin Angular, Free conductor end, 3x0.34mm<sup>2</sup>, PUR (Polyurethane), Ø4.3mm, 250V, -30-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

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.