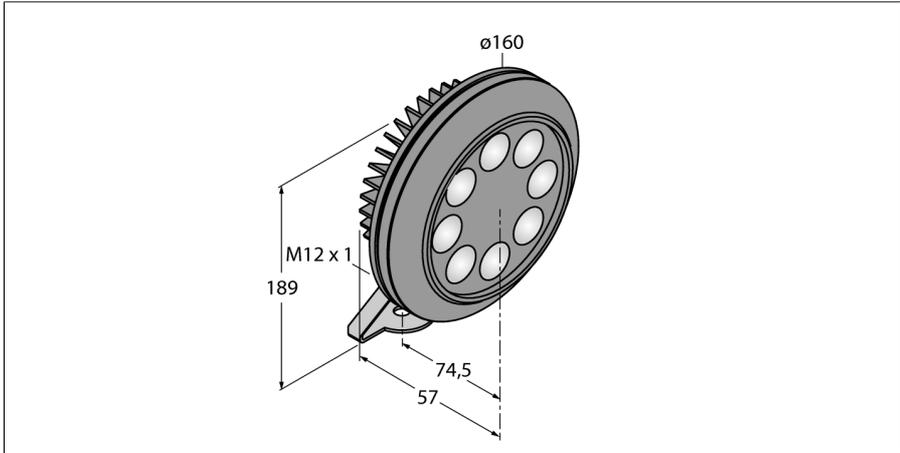


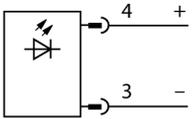
LED machine light
Retrofit LED spot, on-machine installation
ML-RF160-9X8-CWN-H1141



Type code	ML-RF160-9X8-CWN-H1141
Ident-No.	6914404
Ambient temperature	-40...+50 °C
Operating voltage	18...30VDC
Residual ripple	≤ 30 % U _{is}
DC rated operational current	≤ 1000 mA
Output function	4-wire
Construction	cylindrical/smooth
Housing material	aluminium, die-cast, powder-coated , AL
Connection	male, M12, M12 x 1
Protection class	IP67

- LED spot**
- Mounting on bracket**
- Cascadable**
- Housing material, die-cast aluminium**
- Weight 1,000 g**
- Resistant to coolants and lubricants**
- Protection class IP67**
- Operating temperature: -40...+50° C**
- Safety glass**
- Number of LEDs: 8**
- Round illumination**
- Light color, cool white**
- Color temperature approx. 5000...7000 K**
- Illuminance at 2.5 m approx. 250 lx**
- Beam angle: 38°**
- Service life: > 50,000 operating hours**
- LED protection through integrated thermal management**
- Operating voltage: 24 VDC**
- M12 x 1 connector**

Wiring diagram

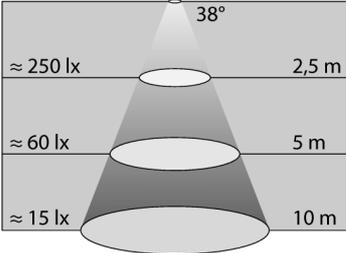


Functional principle

The TURCK machine lights can be installed directly in and on machines thanks to their rugged housing. They are potted and resist cooling lubricants as well as aggressive cleaning agents. Rugged industrial M12 connectors ensure a sturdy connection. The standardized pinout allows the machine lights to be controlled directly via PLC outputs. 24 VDC supply also enables control via passive junctions and fieldbus stations. Targeted on and off switching reduces energy costs. No costs arise for further hardware. The illuminance is indicated in lux (lx). For comparison, at a distance of 1 m, the illuminance of a candle is 1 lx and the normal office/room lighting is 500 lx.

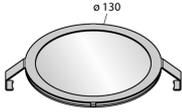
Illuminance

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Accessories

Type code	Ident-No.	Description	Dimension drawing
ML-RF160-C	6914406	Frame clamp for safety glass, for RF160	
ML-RF160-RG ML-RF160-MP1	6914407 6914437	Safety glass RF160 Wall/floor mounting for RF160	