

LED machine light - PLD M 160 W-95/105 1176 - 2702479

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LED machine light, 24 V DC, Degree of protection IP67, Emission angle 95 °/105 °, Color temperature 5800 K, Length 1176 mm, Light housing: Anodized aluminum, Light cover: Satined acrylic, pivoting, including mounting accessories

Product Description

This LED machine light is designed to provide illumination inside or on machinery. Due to the narrow design, it can be mounted even where space is at a premium. In the light holder supplied, the light can swivel and the lighting can therefore be optimally aligned. The satin-finished plastic cover prevents glare for the machine operator.

Why buy this product

- ✓ Narrow design enables mounting even in confined spaces
- ✓ Ready to connect by means of punched-on 3 m supply line
- ✓ Focused illumination, thanks to swivel action
- ✓ IP67 protection enables use even in wet environments
- ✓ ETL approval permits use on the North American market
- ✓ Particularly economical thanks to energy-efficient LED technology and an LED service life of at least 50,000 h

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 228372
GTIN	4055626228372
Weight per Piece (excluding packing)	1.000 g
Custom tariff number	94054099
Country of origin	Germany

Technical data

Dimensions

LED machine light - PLD M 160 W-95/105 1176 - 2702479

Technical data

Dimensions

Width	22.5 mm
Height	23 mm
Length	1176 mm

Ambient conditions

Ambient temperature (operation)	0 °C ... 40 °C
Ambient temperature (storage/transport)	-10 °C ... 50 °C
Permissible humidity (operation)	95 %
Permissible humidity (storage/transport)	95 % (non-condensing)
Air pressure (operation)	69 kPa ... 102 kPa
Air pressure (storage/transport)	69 kPa ... 102 kPa
Degree of protection	IP67

General

Net weight	1000 g
Mounting type	Screw mounting

Power supply for module electronics

Connection method	open cable end
Cable length	approx. 3 m
Supply voltage	24 V DC
Supply voltage range	22 V DC ... 25 V DC
Current consumption	typ. 1.17 A (at 24 V DC)
Power consumption	approx. 28 W (at 24 V DC)
Type of protection	Surge protection

Light properties

Source of light type	LED
Number of LEDs	48
Service life, lighting appliance	50,000 h (L70)
Light color	daylight white
Color temperature	5800 K $\pm$ 10 %
Color rendering index	75
Luminous flux	approx. 1200 lm (Net luminous flux)
Illumination	max. 908 lx (50 cm distance)
Average illumination	535 lx (Distance of 50 cm over 1 m ² area)
Emission angle	95 ° (C0-C180)

Standards and Regulations

Protection class	III, IEC 61140, EN 61140, VDE 0140-1
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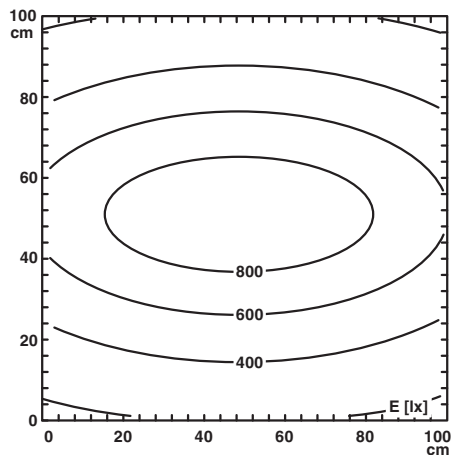
Technical data

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

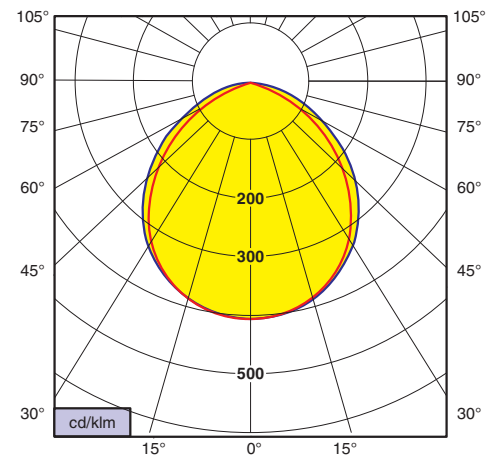
Drawings

Diagram



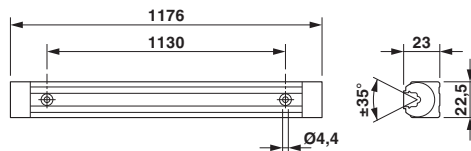
Illuminance distribution
(distance d = 0.5 m)

Diagram



Luminous intensity distribution (LID)
(red line: C0 - C180, blue line: C90 - C270)

Dimensional drawing



Classifications

eCl@ss

eCl@ss 5.1	27119101
eCl@ss 8.0	27119010
eCl@ss 9.0	27110345

ETIM

ETIM 3.0	EC000348
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Classifications

ETIM

ETIM 4.0	EC000348
ETIM 5.0	EC000348

UNSPSC

UNSPSC 6.01	39111510
UNSPSC 7.0901	39111510
UNSPSC 11	39111510
UNSPSC 12.01	39111510
UNSPSC 13.2	39101601

Approvals

Approvals

Approvals

ETLus / cETL / cETLus

Ex Approvals

Approval details

ETLus		http://www.intertek.com	LV-Lighting-Systems
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cETL		http://www.intertek.com	Luminaires
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cETLus		http://www.intertek.com	
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