

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

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LED machine light, 24 V DC, emission angle 95 °/105 °, color temperature 6600 K, length 1176 mm, Light housing: Anodized aluminum, Light cover: Satined acrylic, can be swiveled, 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.

Your advantages

- ✓ 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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 228372
GTIN	4055626228372

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

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Technical data

Ambient conditions

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

Color	aluminum color
Net weight	1000 g
Mounting type	Screw mounting
Mounting position	any

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 ... 26 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
	Reverse polarity 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 / wavelength	6600 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)
Energy efficiency class	Delegated Regulation (EU) 2019/2015
	This product contains energy efficiency class G light sources.
	G (8 light sources)

Standards and Regulations

Immunity to ESD	Noise immunity test in accordance with EN 61547/IEC 61547 Electrostatic discharge (ESD) EN 61000-4-2/IEC 61000-4-2 Criterion B, 4 kV contact discharge, 8 kV air discharge
Immunity to EF	Noise immunity test in accordance with EN 61547/IEC 61547 Electromagnetic fields EN 61000-4-3/IEC 61000-4-3 Criterion A, field strength: 3 V/m

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Technical data

Standards and Regulations

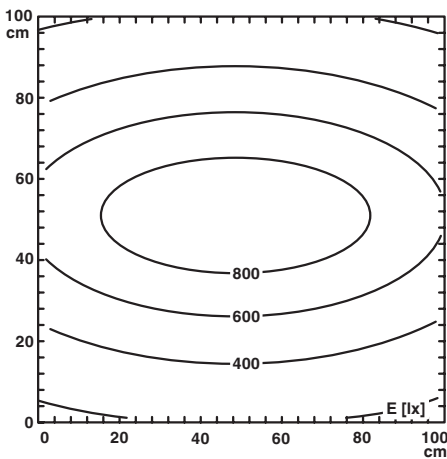
Immunity to burst	Noise immunity test in accordance with EN 61547/IEC 61547 Fast transients (burst) EN 61000-4-4/IEC 61000-4-4 Criterion B, ± 0.5 kV
Immunity to conducted interference	Noise immunity test in accordance with EN 61547/IEC 61547 Conducted interference EN 61000-4-6/IEC 61000-4-6 Criterion A, test voltage 3 V
Interference emission	Noise emission test according to EN 61000-6-3/IEC 61000-6-3 Radio interference properties EN 55015 Class B
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

Environmental Product Compliance

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

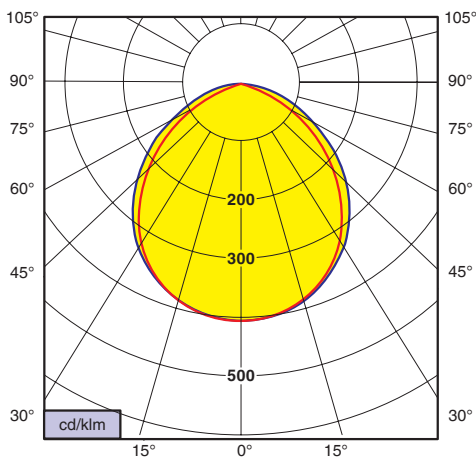
Drawings

Diagram



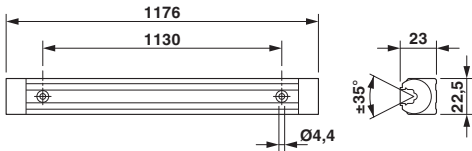
Illuminance distribution
(distance d = 0.5 m)

Diagram



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

Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27110345
eCl@ss 11.0	27110345

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Classifications

eCl@ss

eCl@ss 4.0	27110800
eCl@ss 4.1	27110800
eCl@ss 5.0	27119100
eCl@ss 5.1	27119100
eCl@ss 7.0	27119010
eCl@ss 9.0	27110345

ETIM

ETIM 3.0	EC000348
ETIM 4.0	EC000348
ETIM 6.0	EC000302
ETIM 7.0	EC000348

UNSPSC

UNSPSC 6.01	39111510
UNSPSC 7.0901	39111510
UNSPSC 11	39111510
UNSPSC 12.01	39111510
UNSPSC 13.2	39101601
UNSPSC 18.0	39101601
UNSPSC 19.0	39101601
UNSPSC 20.0	39101601
UNSPSC 21.0	32151500

Approvals

Approvals

Approvals

ETLus / cETL / EAC-RoHS / ETLus / cETL / EAC

Ex Approvals

Approval details

ETLus		http://www.intertek.com	LV-Lighting-Systems
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Approvals

cETL		http://www.intertek.com	Luminaires
EAC-RoHS			RU D- DE.HB35.B.00391
ETLus		http://www.intertek.com	LV-Lighting-Systems
cETL		http://www.intertek.com	Luminaires
EAC			TR_TS_D_12879-22

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