

# LED machine light - PLD M 160 W-95/105 196 - 2702475

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LED machine light, 24 V DC, emission angle 95 °/105 °, color temperature 6600 K, length 196 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 213682
GTIN	4055626213682

## Technical data

### Dimensions

Width	22.5 mm
Height	23 mm
Length	196 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 % (non-condensing)
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	200 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. 0.15 A (at 24 V DC)
Power consumption	approx. 3.5 W (at 24 V DC)
Type of protection	Surge protection
	Reverse polarity protection

### Light properties

Source of light type	LED
Number of LEDs	6
Service life, lighting appliance	50,000 h (L70)
Light color	daylight white
Color temperature / wavelength	6600 K ±10 %
Color rendering index	75
Luminous flux	approx. 150 lm (Net luminous flux)
Illumination	max. 206 lx (50 cm distance)
Average illumination	89 lx (Distance of 50 cm over 1 m <sup>2</sup> area)
Emission angle	95 ° (C0-C180)
Energy efficiency class	Delegated Regulation (EU) 2019/2015
	This product contains an energy efficiency class G light source.
	G (1 light source)

### 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

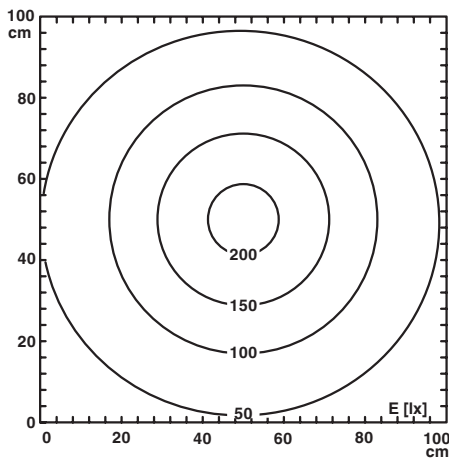
Immunity to burst	Noise immunity test in accordance with EN 61547/IEC 61547 Fast transients (burst) EN 61000-4-4/IEC 61000-4-4 Criterion B, $\pm 0.5$ kV
Immunity to conducted interference	Noise immunity test in accordance with EN 61547/IEC 61547 Conducted interference EN 61000-4-6/IEC 61000-4-6 Criterion 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

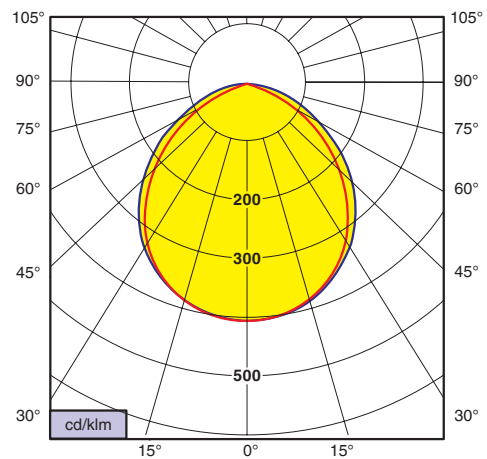
## Drawings

Diagram



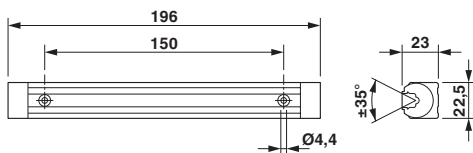
Illuminance distribution  
(distance d = 0.5 m)

Diagram

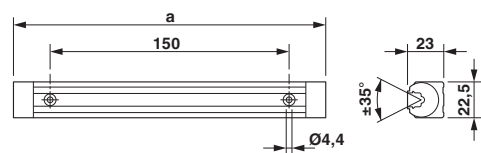


Luminous intensity distribution (LID)  
(red line: C0 - C180, blue line: C90 - C270)

Dimensional drawing



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

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#### Approvals

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

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#### Ex Approvals

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### Approval details

ETLus		<a href="http://www.intertek.com">http://www.intertek.com</a>	LV-Lighting-Systems
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## Approvals

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

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