

# 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 6200 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.

## 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

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 ... 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	6200 K ±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 <sup>2</sup> area)
Emission angle	95 ° (C0-C180)

### Standards and Regulations

Protection class	III, IEC 61140, EN 61140, VDE 0140-1
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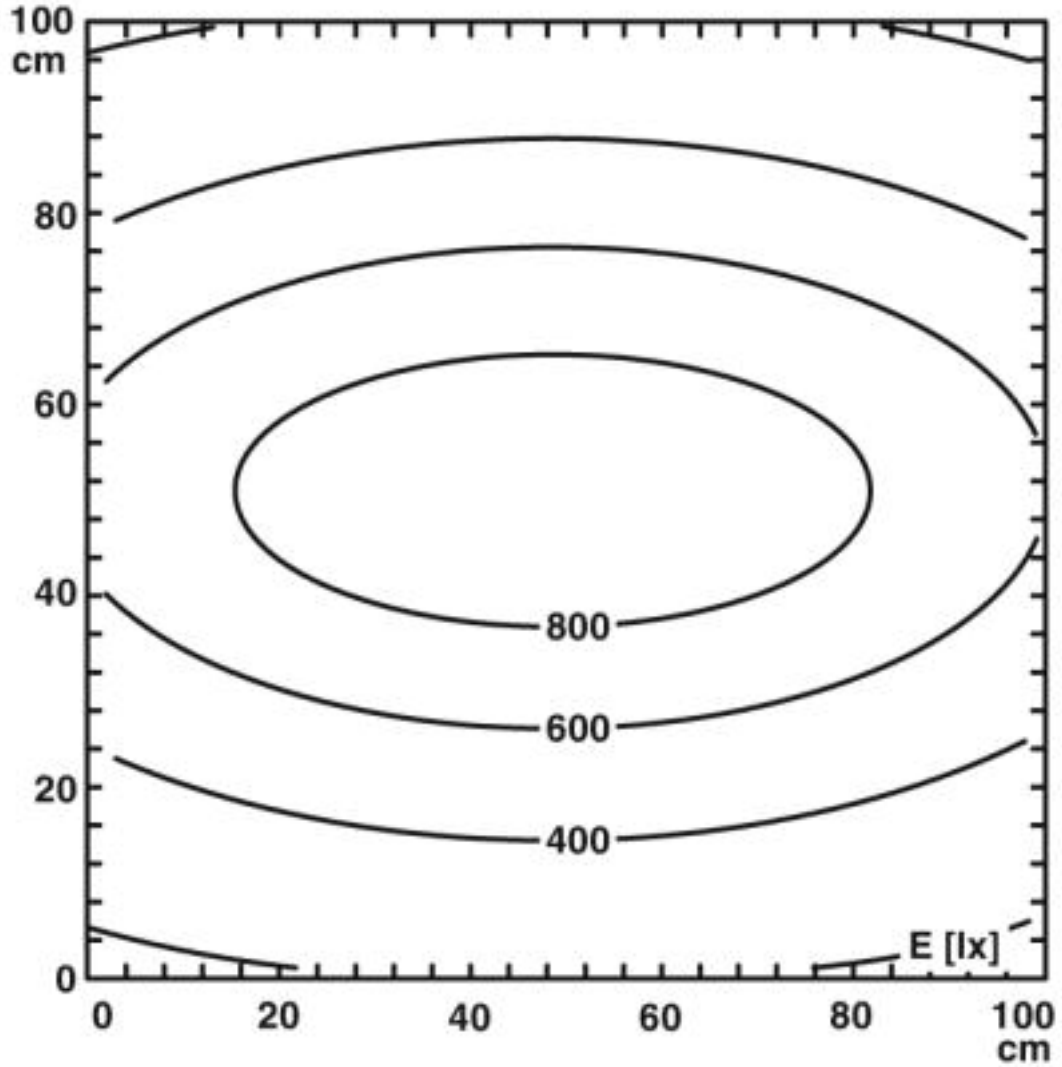
### Environmental Product Compliance

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

## Drawings

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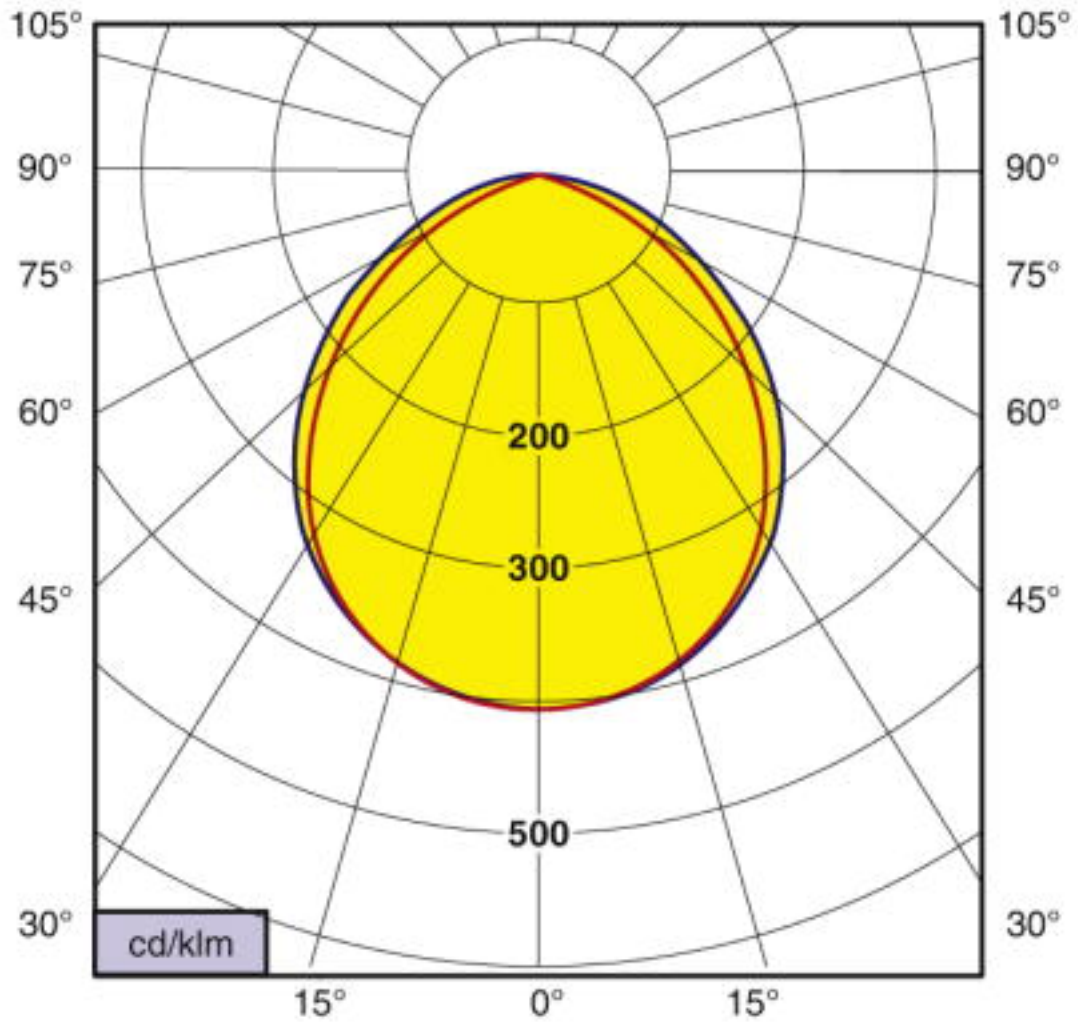
Diagram



Illuminance distribution  
(distance  $d = 0.5$  m)

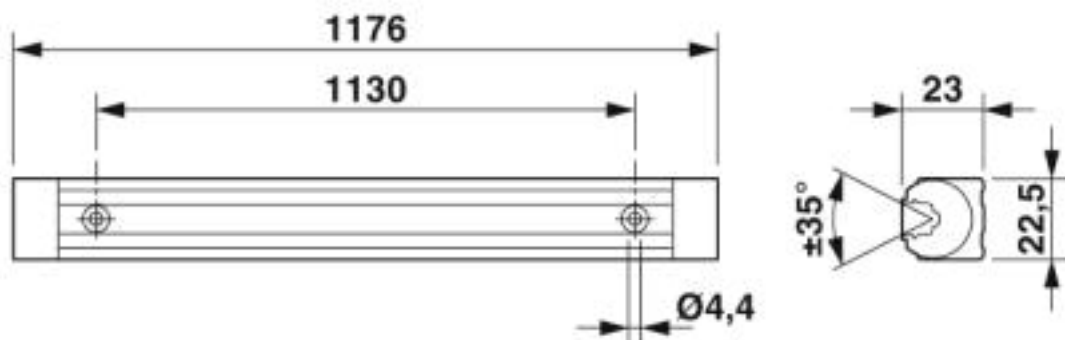
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Diagram



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

Dimensional drawing



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## Approvals

### Approvals

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#### Approvals


ETLus / cETL / cETLus


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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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cETL		<a href="http://www.intertek.com">http://www.intertek.com</a>	Luminaires
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cETLus			
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