



You purchased an item LED Maschine Light fitting. Thank you for your trust in us. We hope that our product will meet your expectations. Please read these

instructions carefully before mounting and using the light. Observe the safety and warning instructions without fall.

## Safety and warning instructions

The item LED Machine Light Fitting is a light for mounting on machines. A non-intended use may endanger health and life.

The device must only be used under the following conditions:

- not in hazardous areas
- not in the range of action of high-performance lasers
- maximum ambient temperature 45°C
- connect only to suitable low voltage according to rating plate data
- connection, maintenance and repair only by skilled electrician
- suitable for wet locations
- suitable for continuous operation

### Danger

Risk of explosion:

Only operate the light in non-hazardous areas. An operation in hazardous areas can trigger an explosion.

### Danger

Hazard by wrong mounting or handling:

Observe the warning and hints on the device and in the instructions. Read first all attached instructions and other information. Wrong mounting or handling of the device can endanger health and life.

### Warning

Hazard of electrical shock upon contact:

Before carrying out any maintenance or repair work disconnect the light from the mains. Maintenance and repair work only by skilled electrician. Use only parts released by the manufacturer as spare parts. Improperly executed maintenance and repair may result in serious injuries or death..

### Attention

Damage caused by wrong mains voltage:

Connection only by skilled electrician. Operate devices of protection class III only with safety extra low voltage (SELV). Before putting into operation check that the connection voltage corresponds to the given rated voltage. A wrong connection voltage can result in damaging or destroying the lamp.

### Warning

Risk of blinding:

Position the light in such a way that looking directly into the light source is avoided. Do not look directly into the light source. Looking directly into the light source can lead to temporarily impaired vision and after-images. This may result in irritations, inconveniences, impairments or accidents.

### Attention

Damage caused by hitting laser beam:

Use the lamp only outside the range of action of high-performance lasers (e.g. laser for cutting or welding). A direct or indirect hit of the laser beam can destroy the LED.

### Attention

Intended use:

The manufacturer is not liable for damage caused by non-intended use or by non-observance of the safety instructions and warnings..

Further explanations of the safety instructions under abbreviations, symbols, explanations.

## Mounting

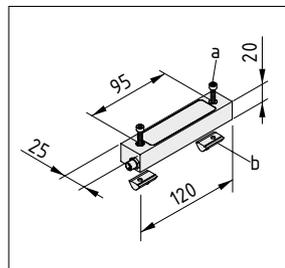
The item LED Machine Light Fitting 5W is mounted with the enclosed mounting kit on a profile of the series 8. In case of mounting the LED Machine Light Fitting 5W to other elements or profiles which are not part of the series 8, the corresponding fastening technique must be used.

### Caution

Risk due to insufficient fastening:

Mounting only by skilled electrician. Mounting only on a flat surface suitable

for mounting. Verify the reliability of mounting elements which have not been proposed by the manufacturer. The light must be mounted safely by means of suitable screws. When mounted incorrectly, the light may fall down.



- a = Hexagon Socket Head Cup Screw  
DIN912 M4x25  
b = T-Slot Nut V 8 St M4 (0.0.480.57)

## Light with M8 connector:

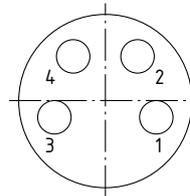
For lights with M8 connector a coupling has to be used for the connection which guarantees the compliance with the protection type.

### Note for DC version:

The light is protected against polarity reversal.

### Attention

Damage caused by wrong mains voltage:  
Connection only by skilled electrician. The connection has to be done according to the current regulations for installation. Before putting into operation check whether the mains voltage corresponds to the given rating voltage. A wrong mains voltage may damage or destroy the light.



Female insert M8

Connection (4 pins), A-coded:

- 1 = DC (+)
- 2 = NC (not connected)
- 3 = DC (-)
- 4 = NC (not connected)

## Description LED Machine Light Fitting

Our machine lights are based on the newest LED technology. They combine efficiency and profitability with a robust construction. The LED Machine Light Fitting was developed for the use on machine tools and machining centers: for the basic lighting of the machine or for the illumination of the immediate machining area, depending upon the placement. The LED Machine Light Fitting

can also be used as workstation lighting.

LEDs (light emitting diodes) have a high average service life. Fewer maintenance works lead to less machine downtimes. The anodised aluminium casing is watertight. Not for use with coolants, lubricants, hot and sharp-edged shavings. In each case and for other versions please ask.

## Operation

Switching the lamp on and off:

As a standard the light has no built-in switch. It is switched on and off via

external circuit elements or connectors.

## Technical data

General:

Protection class	III
Protection type	IP67
Operating mode	continuous operation
Connection	M8
Electrical values:	
Nominal voltage	24 V DC

Machine Light Fitting LED 5W 25x20x120	Power consumption 5 Watts
--	------------------------------

### Attention

Risk of damage by deviation from standard version:  
When required this series of devices will be extended by further versions. Technical data are therefore subject to modification. Please observe always the data and symbols on the rating plate.

## Maintenance and repair

Maintenance and repair of electrical devices have to be done only by skilled electricians.

Defective lamp:

The light is equipped with a light emitting diode (LED). The useful life of LEDs surpasses by far that of other conventional lamps (e.g. light bulbs). Therefore a lamp replacement is seldom necessary. If the LED fails nevertheless, the light has to be checked by the manufacturer and eventually repaired. Please send

the complete lamp to the manufacturer.

### Warning

Hazard of electrical shock upon contact:

Before carrying out any maintenance or repair work disconnect the light from the mains. Maintenance and repair work only by skilled electrician. Use only parts released by the manufacturer as spare parts. Improperly executed maintenance and repair may result in serious injuries or death.

## Care

### Attention

Risk of damage caused by wrong care:

Clean the transparent cover regularly. Cleaning of the lamp parts only with a

cloth with standard household cleaning agent. Please make sure that the used agents are compatible with paints and plastics. Wrong care may destroy the device.

## Disposal

### Attention

Environmental hazard:

At the end of its useful life dispose of the device by using the available recycling systems. Wrong disposal endangers our environment.

Transport Packaging:

Cardboard carton and PE foil

For disposal of the packaging please use the available recycling systems.



## Abbreviations, symbols, explanations

Important, safety information, recommendation

Important information

CE conformity mark

Device corresponds to protection class III  
(operation with safety extra low voltage SELV)

Functional earth

Observe the disposal instructions

Observe the disposal instructions

## EU-Konformitätserklärung / EC-Declaration of Conformity

Gerätetyp / Device Typ: 24V LED Maschinenleuchte / 24V LED machine light  
24V LED Arbeitsplatzleuchte / 24V LED Workplace Light

Typenbezeichnung / Classification:

Maschinenleuchte LED 5W 25x20x120	0.0.660.30
Maschinenleuchte LED 6W 40x40x240	0.0.656.15
Maschinenleuchte LED 12W 40x40x415	0.0.656.16
Maschinenleuchte LED 18W 40x40x590	0.0.656.17
Maschinenleuchte LED 24W 40x40x765	0.0.656.18
Maschinenleuchte LED 30W 40x40x940	0.0.656.19
Leuchte LED 15W 80x32x300	0.0.659.97
Leuchte LED 30W 80x32x300	0.0.659.96

Hersteller / Producer: item Industrietechnik GmbH  
Friedenstraße 107-109  
D-42699 Solingen  
Germany

Die Produkte sind entwickelt und gefertigt in Übereinstimmung mit der EMV-Richtlinie 2014/30/EU und der Niederspannungsrichtlinie 2014/35/EU. Sie erfüllen die Vorschriften der Richtlinie 2011/65/EU des europäischen Parlaments und des Rates (RoHS II) vom 8. Juni 2011 zur Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten.

The products are developed and produced in accordance with the EMC directive 2014/30/EU and the low voltage directive 2014/35/EU. They are in conformity with the directive 2011/65/EU of the European parliament and the council (RoHS II) of 8 June 2011 on restriction of the use of certain hazardous substances in electrical and electronic equipment.

Folgende harmonisierte Normen sind angewandt / The following harmonized standards are applied:

DIN EN 55015	Elektromagnetische Verträglichkeit (EMV) Grenzwerte und Messverfahren für Funkstörungen von elektrischen Beleuchtungseinrichtungen und ähnlichen Elektrogeräten (CISPR 15:2013 + IS1:2013 + IS2:2013); Deutsche Fassung EN 55015:2013 Electromagnetic compatibility (EMC) Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment (CISPR 15:2013 + IS1:2013 + IS2:2013); German version EN 55015:2013
DIN EN 61547	Elektromagnetische Verträglichkeit (EMV) Einrichtungen für allgemeine Beleuchtungszwecke - EMV-Störfestigkeitsanforderungen (IEC 61547:2009); Deutsche Fassung EN 61547:2009; Deutsche Fassung EN 55015:2013 Electromagnetic compatibility (EMC) Equipment for general lighting purposes - EMC immunity requirements (IEC 61547:2009); German version EN 61547:2009
DIN EN 60598-1	Leuchten - Teil 1: Allgemeine Anforderungen und Prüfungen (IEC 60598-1:2014, modifiziert); Deutsche Fassung EN 60598-1:2015 Luminaires - Part 1: General requirements and tests (IEC 60598-1:2014, modified); German version EN 60598-1:2015
DIN EN 62471	Photobiologische Sicherheit von Lampen und Lampensystemen (IEC 62471:2006, modifiziert); Deutsche Fassung EN 62471:2008 Risikostufe 1: geringes Risiko Photobiological safety of lamps and lamp systems (IEC 62471:2006, modified); German version EN 62471:2008 Risk level 1: low risk

item Industrietechnik GmbH  
Friedenstraße 107-109  
42699 Solingen

info@item24.com  
www.item24.com

Geschäftsführer  
Stephan Buchmann  
Waldemar Kurtz

Geschäftsführende Gesellsch.  
Gerrit Ples  
Wolfgang Rixen

Registergericht  
Wuppertal HRB 14912

Umsatzsteuer-Ident.-Nr.  
DE 120 959 471

Solingen, März 2019

  
Stephan Buchmann, Geschäftsführer / Managing Director





# item

item Industrietechnik GmbH  
Friedenstrasse 107-109  
42699 Solingen  
Germany

Phone +49 212 6580 0  
Fax +49 212 6580 310

info@item24.com  
item24.com



You find the Notes on Use and Installation online, in the download section for this product.