

Maintenance and repair

Maintenance and repair of electrical devices must only be done by electrically qualified persons.
Defective lamp: The light is equipped with a light emitting diode (LED). The operating 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.

Care

ATTENTION Risk of damage caused by wrong care:
Clean the transparent lamp cover regularly. Clean 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 product life dispose of the device by using the available recycling systems. Wrong disposal endangers our environment.



TRANSPORT PACKAGING:
Cardboard box and PE foil

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



Abbreviations, symbols, explanations



Safety instructions and warnings



Important information



CE conformity mark



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



Functional earth



Observe disposal instructions



Observe disposal instructions

Machine Light 6157 8055

Installation and User Guide

You purchased a Lutronic machine light. Thank you for your trust in us. We hope that our product will meet your expectations.

Please read these instructions carefully before installing and using the light.



Observe the safety and warning instructions without fail.

Safety and warning instructions

The LED machine light 6157 8055 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 areas exposed to explosion hazards
- not in the range of action of high-performance lasers
- maximum ambient temperature 50 °C
- connect only to suitable safety extra-low voltage (SELV) according to rating plate data
- connection, maintenance and repair only by an electrically qualified person
- suitable for wet environments (IP67)
- suitable for continuous operation



DANGER Risk of explosion:

Only operate the light in areas not exposed to explosion hazards. An operation in hazardous areas can trigger an explosion.



DANGER Hazard by wrong installation or handling:

Observe the warnings and hints on the device and in the instructions. Read first all included instructions and other information. Wrong installation 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 mains supply. Maintenance and repair work only by an electrically qualified person. Only use spare parts released by the manufacturer. Improperly executed maintenance and repair may result in serious injuries or death.

ATTENTION Damage caused by wrong mains voltage:

Connection only by an electrically qualified person. 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 device.



DANGER 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.

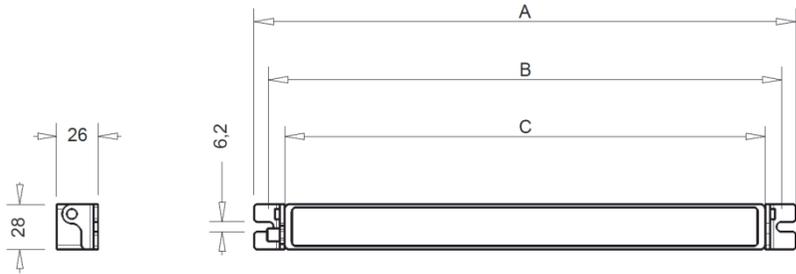
ATTENTION Damage caused by hitting laser beam:

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

Installation

The lamp is fixed to the mounting surface by means of screws (M5 or M6 screws recommended). Screws are not included. For the dimensions of the light please see the drawing and the corresponding table:

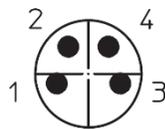


Type	A (mm)	B (mm)	C (mm)
6157 8055 S01 4W	200	182	160
6157 8055 S03 8W	340	322	300
6157 8055 S06 16W	620	602	580
6157 8055 S09 24W	900	882	860

 **WARNING** Risk due to insufficient fixation:
Installation only by an electrically qualified person. Installation only on a flat surface suitable for such installation. In case you use mounting elements which have not been proposed by the manufacturer, verify their reliability. The light must be fixed safely in the intended position by means of suitable screws. When mounted incorrectly, the light may fall down.

Connection

For lights with M8 connector use a female connector which guarantees compliance with the protection class (IP67).



Connector, 4 pins, A-coded:
1 = DC +
2 = NC (not connected)
3 = DC -
4 = NC (not connected)

 **Note:**

The light is protected against reverse polarity.



Description machine light 6157 8055

Lutronic machine lights are based on the newest LED technology. They combine efficiency and cost-effectiveness with a robust construction. The light was developed for the illumination of machine tools and machining centers: for the basic illumination of the machine or the direct illumination of a machining area, depending on the position of installation. – A light with optical lenses allows for additional applications.

LEDs (light emitting diodes) have a high average service life. Fewer maintenance work leads to less machine downtimes. The anodized aluminum casing is watertight. Due to frosted tempered glass the lamp cover is resistant against cooling agents, lubricants, hot and sharp-edged swarf. In case of doubt, 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

Appliance class III
Protection class IP67
Operating mode continuous operation
Connection male M8 connector
Nominal voltage 24 V DC

Power consumption:

6157 8055 S01 4W	4 watts
6157 8055 S03 8W	8 watts
6157 8055 S06 16W	16 watts
6157 8055 S09 24W	24 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 always observe the data and symbols on the rating plate.