



M-TUBE High Brightness Installation instructions

1 General

1.1 About these installation instructions

These installation instructions ensure safe assembly and safe operation of the light system M-TUBE High Brightness. We therefore ask you to read these installation instructions carefully prior to assembly.

Always keep these installation instructions in a safe place. If you pass the light system on to a third party, please also include these installation instructions.

We do not accept any liability for damages resulting from non-observance of these installation instructions.

1.2 Information contained in installation instructions

DANGER!

... indicates an imminently hazardous situation that will result in death or serious injuries if not avoided.

WARNING!

... indicates an imminently hazardous situation that could result in death or serious injuries if not avoided.

CAUTION!

... indicates a potentially hazardous situation that could result in property damage and environmental damage if not avoided.

NOTE!

... points out practical tips and recommendations, and provides information for efficient and trouble-free operation.

1.3 Address of manufacturer

MENTOR GmbH & Co. Präzisions-Bauteile KG
Otto-Hahn-Straße 1
D-40699 Erkrath

1.4 Service-Hotline

Tel.: +49/(0)211/20002-0
Fax: +49/(0)211/2000-41
E-mail: info@mentor-bauelemente.de
info@mentor-components.com
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www.mentor-components.com

In line with continuous product improvements we reserve the right to make technical and design changes.

2 Safety

2.1 Intended use

- The light system may only be used for lighting of interior rooms.
- The light system may only be used in humid rooms if the LED units have been equipped with cover and end caps.

2.2 Incorrect use

- Never use the light system outside.
- Never use the light system in explosive environment.
- Never use light systems in humid interior rooms (bathroom) without cover and end caps. Do not perform any technical modifications on the light system.
- Never repair the light system yourself.

2.3 Certain groups of people

- Any persons (including children) who cannot safely operate the light system due to physical, sensory or mental abilities, or due to their lack of experience or knowledge, may not operate this light system without supervision or instructions by a responsible person.
- Never leave the light system unsupervised when children or persons who cannot assess the hazards are near it.
- Supervise children to make sure that they do not play with the light system.

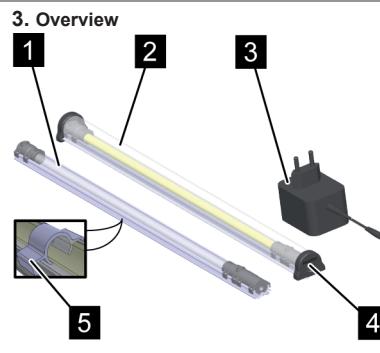
2.4 Electricity

- Since the light system runs on electricity, there exists basically the risk of electric shock.
- Never touch the light system with wet hands.
- If you want to unplug the wall power supply from the power socket, always pull directly on the wall power supply. Never pull on the power cord, it could detach itself from the wall power supply and become damaged.
- Operate the light system only if the electrical voltage indicated in the technical data corresponds to the local voltage network (Chapter 4 „Technical data“). Incorrect voltage can destroy the light system.
- Make sure that the power cable presents no trip hazard.
- Ensure that the power cable is not pinched or bent.
- Ensure that the cable is protected from being run over.
- Ensure that the cable is not exposed to any heat sources.
- If unusual/abnormal noise, odours or smoke emanate from the light system, pull the wall power supply from the power socket.
- If fluid has entered the light system, the light system has been dropped or otherwise damaged, it must be checked by an authorised workshop. Disconnect the light system from the power supply by unplugging the wall power supply from the power socket, and contact a specialist.

- Should any questions arise that are not covered by these operating instructions, please contact our technical information or another authorised professional.

2.5 In case of defect

- Never operate a defective light system.
A defective light system can result in property damage and injuries.
- Do not replace a damaged power cable by yourself, but always have this done by an authorised specialist.



3. Overview

- 1 M-TUBE High Brightness**
2 Cover*

- 3 Wall power supply

- 4 End caps

- 5 Clamp**

Not shown

- Extension cable power supply*

Explanation of symbols

- * Length varies, depending on order
** Varies, depending on order

4 Technical data

expected service life	ca. 50000 operating hours
Operating voltage	11...15 V DC
Operating temperature	-40...+70 °C
Light guide material	PMMA UL94
Housing material	PC UL94
Cover	PMMA UL94
Profile material	Aluminium
Power input	max. 500 mA AC
Supply voltage	230 V/50 Hz
Type of protection	IP 33 (IP 44 upon request)
Protection class	II
Visible length of light guide	350...850 mm (depending on order)
Length of extension cable	3 m (subject to order)
Colours	LED: Red, green, white, ultra white, warm white, blue (depending on order)
	End caps: Black
Diameter of light guide	10 mm
Weight	ca. 1 kg

5 Type plate

On all models, the type plates are located on the aluminium profiles and on the wall power supply.

Symbol

