

What to do if the LED shows signs of deficiency or does not work?

- Under regular usage the LED has an extraordinary long lifetime. In case of first-time damage or failure, contact your local dealer to exchange the LED.

MEASUREMENTS**TECHNICAL SPECIFICATIONS**

LED:	1 x Luxeon® K2-TFFC
Colour temperature:	2950K
Lenses:	40° lens, 16° optional
Power supply:	max. 1000 mA
Power consumption:	max. 4 Watt
Measurements:	ø 50 mm, 44 mm (h)
Housing:	Aluminum
Cable length:	1 meter
Weight:	80 gr
Shipping Weight:	90 gr
Shipping Dimensions:	60 x 60 x 60 mm (hxwxd)
Ambient Temperature:	max. 40° C

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**CLS MR 16**

INTRODUCTION

Thank you for choosing the CLS MR-16. The CLS MR-16 is a compact, yet powerful spot for numerous applications. The CLS MR-16 is the first reliable MR-16 LED solution to replace the traditional MR-16 halogen lamp.

Included Items

- The CLS MR-16 spot is shipped in one package containing the following items:
- 1 user manual

Optional accessories

- CLS MTD43, Mains dimmable (item nr. 872018)
- CLS MT5K2 driver dimmable (item nr. 872023)
- CLS MT53 driver (item nr. 87129948)
- CLS Florence/MR-16, 2-fold junctionbox & short circuit connector (item nr. 87129900)
- CLS Florence/MR-16, 6-fold junctionbox & short circuit connector (item nr. 87129905)
- CLS Florence/MR-16, 16° lens & cover for the Florence/MR-16 (item nr. 87129990)

NOTE: It is important to read this manual before you install this product.

SAFETY INFORMATION

Warning! This product is for professional use only, not for domestic use.

Read this manual before powering up or installing the CLS MR-16. Follow the instructions listed below and observe all warnings in this manual.

Protection from electric shock

- Disconnect the power supply from AC power before installing, dismantling or maintaining the unit.
- Make sure all connectors are connected properly.
- Use only a source of AC power that complies with local building and electrical codes and has both overload and ground-fault protection.
- Refer all service to a qualified technician.

Protection from burns and fire

- Do not install the CLS MR-16 near a heat source.
- Do not install the CLS MR-16 in a corrosive, flammable or explosive area.
- Do not modify the CLS MR-16, or install other than genuine parts.
- Do not operate the CLS MR-16 if the ambient temperature exceeds 40° C.

Protection from injury due to falls

- Verify that all covers and mounting hardware is securely fastened.
- Block the access below the work area whenever installing or removing the unit.

INSTALLATION

The product is intended for installation in suspended ceilings. Make sure that the product is mounted on a stable, even and tilt-fixed background. Pay attention to the minimum distance in the ceiling. The minimum distance to each side is 5 cm. Do not cover the product and only use parts, which are supplied with the products or described as accessories. Otherwise, the product or installation might not be safe!

Indication for the installer: In case you do not install a completely supplied system (with transformer), you are considered a 'manufacturer' by the low-voltage directive. In this case you are required to ensure the conformity of the whole system and declare it by attaching the **CE-sign**.

Separate assembly steps

- Mark and cut the opening. Do not damage the main lead.
- Prepare the power supply. Use a suitable CLS driver. (see optional accessories, page 2)
- Direct the lighting unit into the opening. You need to use junction box nr. 87129900 or nr. 87129905 for electrical installation.
- You need to make sure that all connections on the junction box are filled. The connections that are not used for an insert module, need to be filled with the short circuit plug that is delivered with the junction box.
- Ensure that the product is tightly secured after installation!
- The product is now ready for use.
- It's not allowed to connect an insert module to the junction box, if there is power on the junction box, the LED will damage permanently. Therefore, be sure to power up the system as the very last step in the installation process.

OPERATION

Operate the product only if it functions correctly. In case of malfunction, switch off the product immediately and only operate it again after inspection by an electrical specialist. This is the case, when:

- visible damages appear
- the product does not work
- smoke or steam appears
- crackling sounds are heard

Repairs of the product or work on the main voltage-prominent section may only be carried out by qualified electricians.

WARNING

**ATTENTION!
ELECTRIC SHOCK HAZARD. CAN CAUSE INJURY OR DEATH!**