



**LEDcentre.uk.com**

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## Installation manual for 12V DC MR16 lights

Thank you for shopping at LEDcentre.uk.com

We would like to help your electrician with the installation.

**Performance:** Please check product details on the website.

**Operating Voltage:** DC 12V, stabilised constant voltage

**Voltage tolerance:** 10-15V DC.

Operating the lights with batteries (ship, boat, yacht, caravan, van) voltage may go up while the battery is being charged. MR16 LED lights are not affected by higher voltage within the tolerance rate for up to five hours.

**Transformers:** Please use our Waterproof LED driver/power supply only. To calculate the required output of the LED driver, please use the power consumption details displayed on the product. The total power consumption of MR16/12V LED products connected to the power supply should never be higher than the Wattage of the power supply.

**Batteries:** The advantage of the SMD LED products is that they operate at 12V DC, so 12V batteries are suitable for running them. If the charging of the battery is not regulated, it is advisable to include a voltage regulator within the system for the long lifespan of the lights.



**Please note: Electronic transformers ruin the LED lights. If the light is damaged when used with unsuitable transformer, it loses its warranty.**

The mains supply must always be isolated prior to installation. The overall electrical installation must conform to the relevant regulations.

The LEDcentre does not take any responsibilities for personal injuries or damage of the goods caused by incorrect installation. All installation must be carried out by qualified persons.