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## Installation manual for 30 SMD Power 5050 LED Panel Light

Thank you for shopping from LEDcentre.uk.com.

We would like to help your electrician with the installation.



**Performance:** 4.7W

**Operating Voltage:** 12V DC, 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. Panel lights are not affected by higher voltage within the tolerance rate for up to five hours.

**Transformers:** Use our waterproof LED driver/power supply only. To calculate the required output of the LED driver, use the details above.

**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.