230V LED STRIP - SMD5730

Item ref: 153.821UK, 153.822UK, 153.823UK

User Manual

⚠ Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction

Thank you for choosing Fluxia high voltage LED strip as part of your lighting scheme. This strip is designed to provide a powerful linear lighting source for indoor or outdoor installations. Please read these instructions to help with installation and ensure correct practice when cutting and joining.
Warning: This product is mains operated and should only be fitted by a qualified electrical installer.

Installation

Fluxia 230V LED strip is supplied as a 50m reel with a mains lead connected at one end and terminated with an end-cap at the other. Straight from the reel, the strip can be plugged into a mains 230Vac outlet and the strip can be situated indoors or outdoors, thanks to the IP67 containment (the mains lead and plug must be indoors or in a waterproof housing).

50m is the maximum length that can be powered from a single 230V mains outlet.

The strip can be cut to fit any installation at 1 metre intervals. The strip containment is diffused on all sides with a transparent centre strip for the bright LED output. Looking at this strip, it is possible to see where the PDB inside is joined every 1 metre (there is a gap between the ends of the PCB).

Ensure that the strip is not powered before cutting and cut cleanly through the whole containment.

The end of the powered strip will need to be fitted with an end cap (Pack of 10 = 153.853UK), using silicone glue to secure it. This will also reinstate the waterproof protection to the strip. Fitting shrink-tubing can add additional weatherproofing and protection.

The remaining strip can likewise be fitted with a new mains lead (153.851UK) to power up as a separate strip and couplers are also available (153.857UK) to allow strips to be joined together (up to a maximum of 50m). The mains lead or coupler is connected to the strip via 2-pin connector. This will only make the strip operate if the "+" and "-" are connected the correct way around. Insert the rounded pins into the mains lead and the pointed pins into the cut end of the strip.

Before sealing with glue, check the strip operation by plugging the mains plug into a 230V socket. If the strip does not light, disconnect the strip from the mains and swap the "+" and "-" connections around to check if they were the wrong way around. When connection is successful, squeeze silicone glue into the joint to ensure a secure and waterproof connection. Again, shrink tubing can offer additional safety and weatherproofing to the joint.

Joining 2 lengths of strip together is performed in exactly the same way and should again be sealed both sides with silicone glue. Any open end will need to be sealed with an end-cap and silicone glue. When fixing the strip to a surface, it is important to not penetrate or damage the containment. Do not pierce with nails, screws or staples. Installation clips are available for convenient fixing to most surfaces (153.855UK).

Versions

Stock code	Version	Colour temperature
153.821UK	Warm white	3000K
153.822UK	Natural white	4000K
153.823UK	Cool white	6000K

Specifications

Power supply	200-240Vac, 50Hz
Luminous flux	650lm/m
Power consumption	8.5W/m
LED type	SMD5730
IP rating	IP67 (strip only)
Number of LEDs	60/m
Beam angle	120°
LED lifespan	≥ 30000 hours
Cut intervals	1m
Reel length	50m
Maximum length	50m per mains power lead
Cross-section	13 x 8mm
Mains lead length	0.5m
Dimensions (packed)	285 x 285 x 140mm
Weight	10kg

CE

Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.