



Clevertronics Constant Current Driver For Series LED Puck, LEDPod LED Pilot Handrail Systems



PRODUCT INFORMATION

Catalogue Number	CLEDDRVM-16V500C
Description	5-16V 500mA Constant Current Driver for Series LED Puck, LEDpod and LED Pilot Lighting Systems. Suitable for running 2 to 5 LED Pucks, LEDpods or LED Pilots in a series configuration. LEDPUCK is a product of Planet Lighting and is not supplied by Clevertronics. LEDPDOD is a product of KLIK Systems and is not supplied by Clevertronics. PILOT is a product of UNIOS and is not supplied by Clevertronics.
Installation and Wiring	The CLEDDRVM-16V500C is mounted remotely from the handrail system containing the LED Pucks/LEDpods/Pilots. Consideration must be given to the specific LED Pucks/LEDpods/Pilots to be connected in series to the CLEDDRVM-16V500C unit. It may be necessary to run two or more circuits down a handrail with a combination of LED Pucks/LEDpods/Pilots connected to a conventional driver (by others) and the emergency LED Pucks/LEDpods/Pilots connected to the CLEDDRVM-16V500C for maintained emergency operation. See the system wiring section on the following page regarding cable lengths, sizes and advice about project specific wiring schematics.
Construction	Base Material: Polycarbonate Diffuser Cover Material: Polycarbonate
Mounting	Surface Mount
Dimensions L x W x H	130mm x 380mm x 190mm
Operating Mode	Maintained (with switched active, on/off, control of the Led Pucks/LEDpods/Pilots as standard)
Testing System	Manual Test Switch
Charging Method	Intelligent Current Limited Constant Voltage
LED Driver	Electronic LED Driver configured to run at 500mA
Operating Voltage	240V (hard wired)
Power Consumption	15 Watts (stair rail LEDs on – max during first 16 hours charge) 10.6 Watts (stair rail LEDs on – standby charge). Figures based on running 5 LED Pucks/LEDpods/Pilots (max).
IP Rating	IP66/67
Operating Temperature	0° to 40°C
AS/NZ2293 Classification	N/A

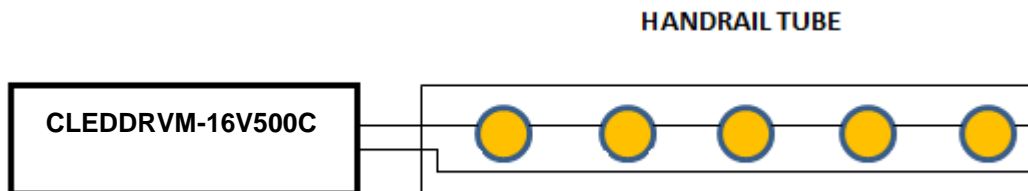




REPLACEMENT PARTS

PART NUMBER	DESCRIPTION
1330060	LED Driver, Tridonic TOP C, 10W 350-900mA
1550260	Battery, LP 6.4V 3200mA 200mm lead SBS, (2 X)
CCPLED-16V500C-CKIT	LED Power Pack, 16V 500mA LP

SYSTEM WIRING



NOTES

LEDs must be wired in series configuration. Encapsulated driver units mounted/connected behind the LED Pucks/LEDpods/Pilots cannot be used.

Please refer to wiring circuit diagrams supplied by the LED Puck/LEDpod/Pilot supplier, specific to the project, for installation purposes. The information on this data sheet is generic and should be verified via wiring and schematic diagrams before installation.

Inter-connecting cable type and distances

In accordance with AS2293, the maximum distance the control gear and battery can be located from the lamp source is 2m before there is a requirement need to run in fire protected cable. Below is a list indicating the maximum distance and cable size required to mount the CLEDDRVM16V500C 10, 20, 30 & 40m away from the handrail system. Please note that these cable distances and sizes relate to the cable length between the CLEDDRVM16V500C and the entry point of the hand rail system. Please refer to the manufacturers' recommended cable sizes for connection of the LED Pucks/LEDpods/Pilots inside the handrail system.

The cable sizes for 10M, 20M, 30M, and 40M are as follows:

- 5M - : 1.5 mm²
- 10M - : 1.5 mm²
- 20M - : 2.5 mm²
- 30M - : 2.5 mm²
- 40M - : 2.5 mm²

