



LOW VOLTAGE CONSTANT CURRENT LED DRIVER & 1W Marker Light

**PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION
LEAVE A COPY FOR THE USER / MAINTENANCE ENGINEER FOR FUTURE REFERENCE**

IMPORTANT INSTALLATION INFORMATION

Installation should be carried out in accordance with the latest edition of the NEC Wiring Regulations.
For use with Illuminous **constant current** LED products.

IMPORTANT. Constant current LED Fittings **MUST be wired in SERIES** ensuring **correct polarity**. Failure to do so can cause permanent luminaire and/or driver failure.

- Before commencing installation or maintenance, ensure electricity is switched off at the mains.
- Keep the LED Driver away from direct sources of heat such as Low Voltage lamps.
- Insure that ALL electrical connections are tight with no loose strands.
- Suitable for direct mounting on or in cabinets or furniture

IMPORTANT INSTALLATION INFORMATION

Use the table below to assist with calculating how many LED fittings may be used with the constant current LED Driver. Simply multiply the number of fittings by their respective wattage up to the MAXIMUM rating of the Driver. It is possible to combine different constant current fittings

LED Driver, Cat.No.	mA rating	Dimmable	Max Wattage of LED's
EV-CA03548-15	350mA	Yes	16.8W

Environmental Protection (W.E.E.E.) – Illuminous's WEEE

Waste Electrical & Electronic Equipment Regulations (WEEE) requires that any of our products showing this marking (left) must not be disposed of with other household or commercial waste. Illuminous does not levy any WEEE disposal charges to its customers for affected WEEE related products. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate any such product from other waste types and recycle it responsibly at your local facilities. Check with your Local Authority, Recycling Centre or retailer for recycling advice. If, when you purchased any Illuminous product, your supplier included a WEEE disposal fee, you should then contact your supplier for advice on his takeback of the product for the correct disposal.

GUARANTEE

This product is guaranteed in the USA for a period of 2 years from the date of purchase, unless otherwise stated in current company literature. The guarantee is invalid in the case of improper use, installation, tampering, removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the National Electrical Code --- Work must be completed by a qualified electrician. Should this product fail during the guarantee period, it will be replaced free of charge, subject to correct installation and return of the faulty unit. Illuminous LLC. or any subsidiary company of Illuminous LLC. does not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. Illuminous reserves the right to alter specifications without prior notice.

Wiring Diagram over page

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- 1) Isolate from the mains supply before installation or maintenance.
- 2) Wire the LED onto the DC output of the driver, IN SERIES, loop-in and loop-out, 'daisy chain' from one to the next.

Wire **Red** from the driver to the **Black** of the first Lamp
Wire **White** of the Lamp to the **Black** of the next lamps
Wire **White** of the final Lamp (9 to 16) to the **Black** of the driver

- 3) Wire the input to AC 120 Line / Mains. Note colors:

White – Neutral of AC – wire to **BLUE** of the Driver
Black – Live or 'Hot' – wire to **BROWN** of the Driver

- 4) A standard 'TRIAC / Phase' Dimmer may be used on the AC / Line side. Wire as per direction from the manufacture of the Dimmer.

IMPORTANT.

- 1) Constant current LED fittings **MUST be wired in SERIES** ensuring **correct polarity**. Failure to do so can cause permanent lamp and/or driver failure.
- 2) Ensure all LAMPS are wired in Series and connected **BEFORE** the 110V is applied, otherwise permanent damage will be caused to the lamps
- 3) Always wire **MINIMUM 9, MAXIMUM 16** of the 1W EV-WU682 Lamps to a EV-CA03548-15 driver

