



LOW VOLTAGE CONSTANT CURRENT LED DRIVERS



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

Installation should be carried out in accordance with the latest edition of the I.E.E. Wiring Regulations.

For use with Aurora **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 mounting on normally flammable surfaces.

 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 No of LED's	
			1W	3W
AU-LED0635CC	350mA	No	6	2
AU-LED09T	350mA	No	9	3
AU-LED09IP	350mA	No	9	3
AU-LEDD16CC	350mA	Yes with AU-DSPLED	16	4

INSTALLATION INSTRUCTIONS AU-LED09IP

1. Isolate from the mains supply before installation or maintenance.

First Numeral: Complete protection against contact/ DUST TIGHT – Pressure against ingress of dust.

Second Numeral Protection Against indefinite Immersion in water under specified pressure – 2m maximum depth

2. The AU-LED09IP is IP68 rated and is therefore protected against the following :

3. The AU-LED09IP is suitable for exterior use e.g. Pond/pool lighting or anywhere requiring submersion in water

4. The mains supply should be connected to the Primary input cable using a suitable IP68 rated cable connector/junction box as follows:

Black/Blue – Neutral

Red/Brown – Live

INSTALLATION INSTRUCTIONS FOR NON IP DRIVERS

1. Isolate from the mains supply before installation or maintenance.
2. The AU-LED0635CC/AU-LED09T/AU-LEDD16CC LED Drivers feature loop-in and loop-out primary wiring terminals. (see figure 1)

Black/Blue – Neutral

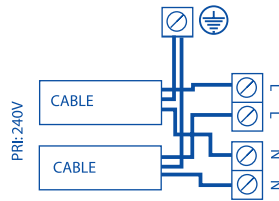
Red/Brown – Live

Green & Yellow – Earth.

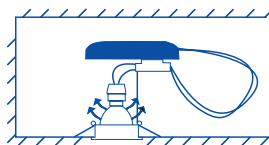
4. Constant Current LED's must be wired in series ensuring correct polarity, see Figure 3. Failure to do so may result in permanent damage to the lamp or driver
5. The AU-LEDD16CC is dimmable when used with AU-DSPLED 1-10V Dimmer Switch. For use with 350mA 1W LED's. See Figure 4.

3. The mains supply should be connected to the Primary input terminals as follows:

Figure.1

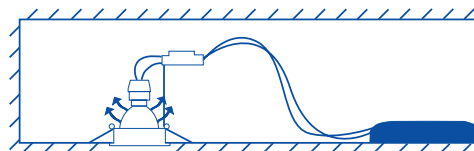


Do not fit the LED Driver above the luminaire (see figure 2)



Incorrect Installation

Figure 2



Correct Installation

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

Figure 3. Series wiring for Aurora 350mA constant current LED's

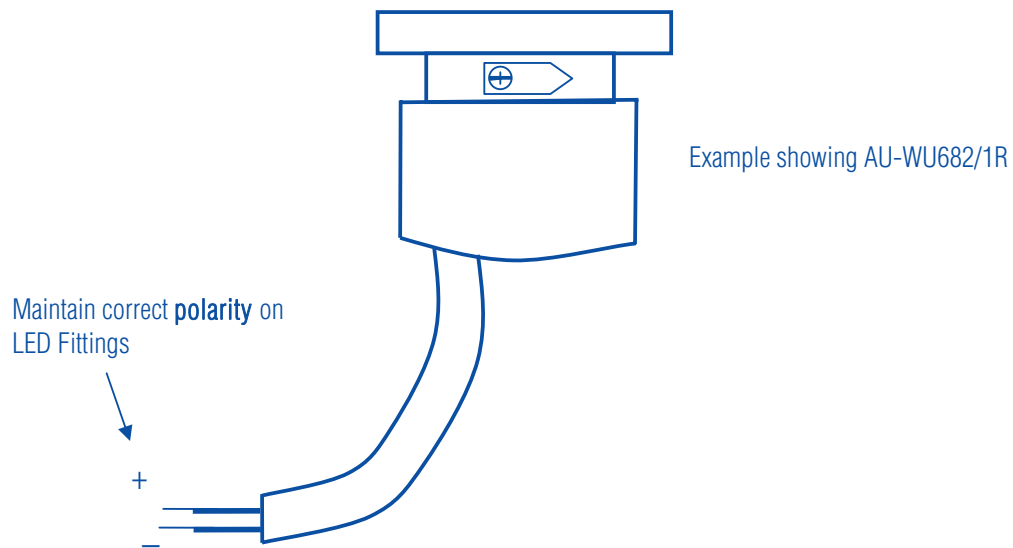
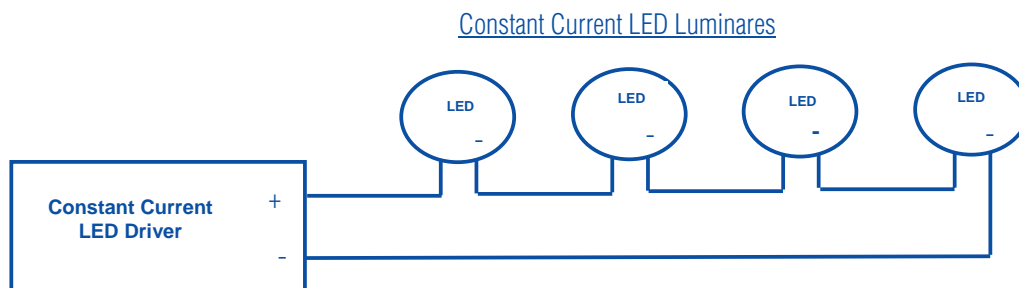
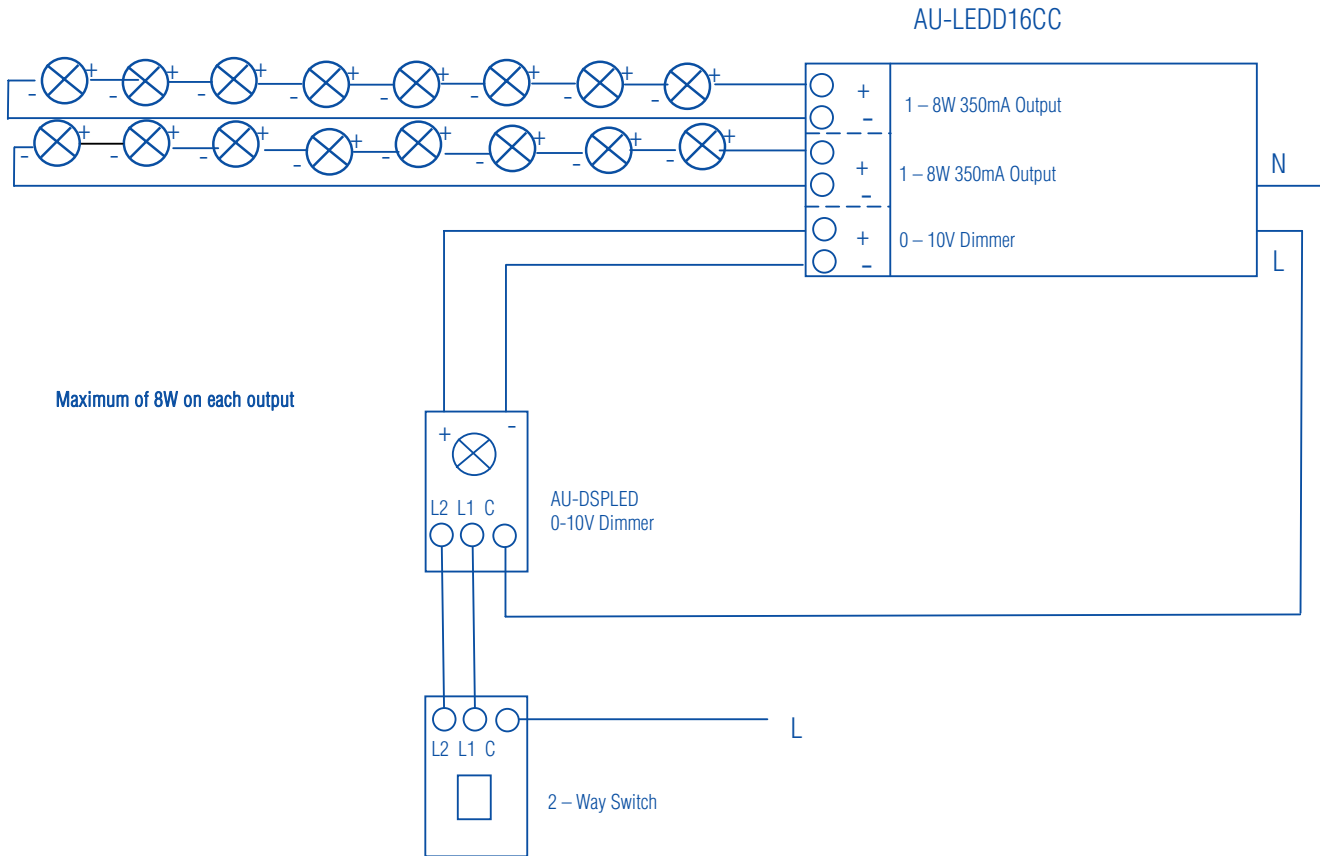


Figure 4. AU-LEDD16CC Dimmable LED Driver
Example Wiring Diagram



Aurora LED Controllers may be fitted in the same circuit as inductive loads as they feature 1.0KV Surge protection in accordance with EN61547

EMC compliance – EN 55015, EN 6100, EN 61547

Safety compliance – EN 61347

1W 350mA Constant Current LED's can be dimmed with the AU-LEDD16CC Driver

GENERAL

GUARANTEE

This product is guaranteed in the UK for a period of 3 years from the date of purchase. The guarantee is invalid in the case of improper use, installation or tampering. 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. Aurora does not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. Aurora reserve the right to alter specifications without prior notice.