

LED INFORMATION

LED Specific Warranty - If you are considering purchasing and installing LED products in your projects please speak to us at the earliest opportunity so that we can advise you on your choice of products and the things you should take into consideration before proceeding with the installation.

Installation - There are two types of LEDs: constant current and constant voltage. Constant current devices must be wired in series. Constant voltage must be wired in parallel.

If LEDs are incorrectly wired they may fail to work or they may work at a reduced brightness for a period of time and then fail. This failure is irreversible and will require new LEDs to be mounted into the fittings or completely new fittings purchased.

The quantity of LEDs wired together in a circuit must be accurately calculated and the size and type of driver carefully selected. The qualified electrician installing Light Corporation LED products must ensure that a driver is connected in the circuit prior to connection to the mains. In our experience the majority of LED failures are due to the LED being incorrectly connected directly to mains voltage.

The Light Corporation LED warranty is subject to all LED products supplied by The Light Corporation being protected by a driver supplied by The Light Corporation and wired in accordance with our specific installation instructions.

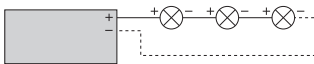
Drivers - Standard LED drivers are not dimmable, if you attempt to dim LED products, using a standard driver the LEDs will flicker and eventually fail. If you require LEDs to be dimmed you must use a suitable dimmer system which will produce a 0-10v signal. The Light Corporation provides specific constant current drivers that are controllable by a 0-10v dimmer signal and also interfaces that can be wired in-line in circuits delivering constant voltage to allow LEDs to be dimmed.


Location - LEDs are expected to last in excess of 50,000 hours if installed correctly and not subjected to excessive temperature variations. The maximum ambient operating temperature is 40°centigrade. Care must therefore be taken in locating LEDs appropriately.


Colour temperature - The Light Corporation sources LEDs only from the most reputable, finest quality manufacturers around the world and as standard our white LEDs are supplied as warm white only at a colour temperature of 2900 k. These are carefully selected from within a specific bin of LEDs to produce the best match within a batch. We then colour test the LEDs again in our workshop to a benchmark standard prior to installing them in our products so that as far as it is possible orders are supplied with LEDs all originating from the same specific bin source. However, occasionally there are minor colour shifts across products and, at this time, there is no solution to this problem.


Therefore if your project requires a light source that offers 100% lamp stability and accuracy of colour across all light sources, LED products are not recommended.

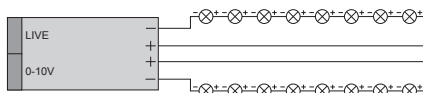
LED Wiring Diagrams




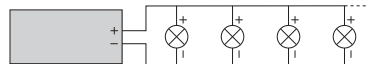
 **9601- 000** (350mA 1-3W Non Dimmable)
(49mm x 40mm x 21mm)


 **9602- 000** (350mA 3-10W Non Dimmable)
(115mm x 34mm x 19mm)


 **9612- 000** (350mA, 15W Non Dimmable)
(123mm x 38mm x 21mm)





 **9607- 000** (350mA 1-16W Dimmable: 0-10V)
(110mm x 52mm x 24mm)





 **9603- 000** (14V 10W Non Dimmable)
(100mm x 48mm x 28mm)


 **9605- 000** (24V 10W Non Dimmable)
(100mm x 48mm x 35mm)

 **9606- 000** (24V 25W Non Dimmable)
(124mm x 48mm x 28mm)

 **9608- 000** (24V Dimming Module: 0-10V)
(172mm x 42mm x 20mm)

 **9609- 000** (24V RGB Dimming Module 3x0-10V)
(172mm x 42mm x 20mm)

 **9610- 000** (24V RGB Dimming Module: DMX)
(172mm x 42mm x 20mm)

 **9611- 000** (24V 75W)
(220mm x 46mm x 44mm)

For details of how many fittings can be run from each LED driver, please call.