

# Installation Instructions

## Models: LLED105

### 12 Volt LED Lindon Garden Light IP65



**It is recommended that this unit is installed by a registered electrician.**

#### Isolate the electrical supply

Use a constant voltage, 12 Volt DC Driver.

Choose a driver with a wattage that exceeds the total wattage of all fixtures used in aggregate on your circuit.

Ensure that the extra low voltage connections are watertight so that the fixture cables do not siphon water.

**DO NOT** install in hollows where water will pool around the lighting fixture as this may cause condensation and corrosion.

Only use LLED1 Drivers which have the appropriate cable connectors.

The driver supply cord must be plugged into a waterproof socket if in a wet area.

Locate driver in a ventilated location. Do not overload the Driver. Do not cover the Driver. Isolate the Driver while connecting lights to each other. Only turn the power ON once all connections are completed otherwise LED lights may be damaged.

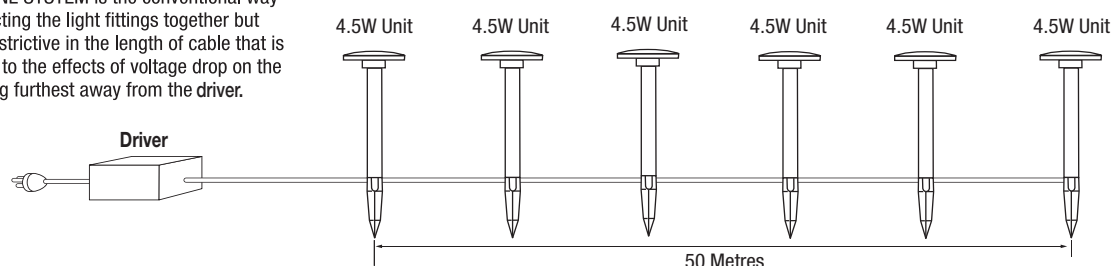
Cables between driver and lights and between lights should not exceed 3 metres long. For long length systems use a larger driver to avoid voltage drop issues.

When pushing connectors together, first check the orientation of the Key and Slot to ensure correct alignment of polarity. Then twist cap onto thread to secure and ensure watertightness. Fit plastic cap onto any unused output cable.

#### POSSIBLE WIRING CONFIGURATIONS FOR A SINGLE CABLE SYSTEM

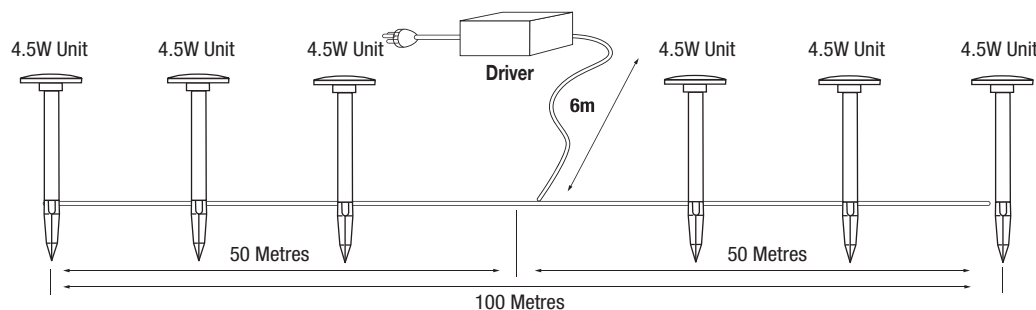
##### IN-LINE SYSTEM

The IN-LINE SYSTEM is the conventional way of connecting the light fittings together but can be restrictive in the length of cable that is used due to the effects of voltage drop on the light fitting furthest away from the driver.



##### TEE-LINE SYSTEM

The TEE-LINE SYSTEM is a method employed to counteract the effects of voltage drop. By connecting the driver in the middle of the circuit you are able to increase the length of the cable run and minimise the effects of voltage drop on the end light fittings.



#### Accessories available:

Extension cables **LLED1-C1000** or **LLED1-C2000**, T connector **LLED1-TEE** and power supply drivers **LLED1-IPEC20** or **LLED1-IPEC45**

**PLEASE NOTE:** There are no user serviceable parts the LED is integral. Please Keep instructions.