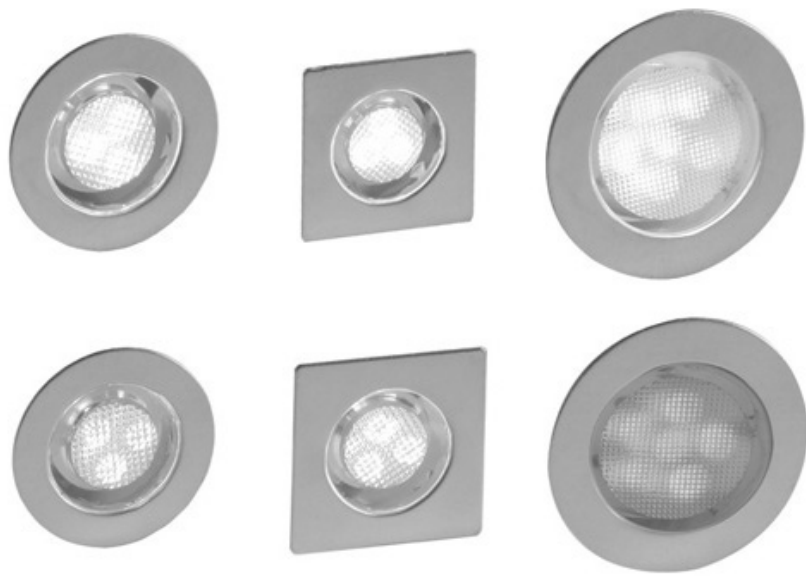


saxby  
lighting



## Outdoor LED Kits

13889, 13890, 13988,  
13989, 13992, 13994,

These instructions on wiring and installation are provided as a guideline to assist you. Some experience of electrical wiring and do-it-yourself is required to install the light fitting. If at any time you are unsure of how to proceed, **please consult a qualified electrician.**

## Warning



The power supply is **Double Insulated** and does not require connection to an Earth circuit.



The LED units are **Safety Extra Low Voltage** and must not be earthed.

Please read these instructions carefully before commencing any work.

This unit must be fitted by a competent and qualified electrician.

Install in accordance with IEE Wiring regulations and current Building Regulations.

This system operates at Safety Extra Low Voltage (12V), via a transformer. Never connect the light fittings directly to the mains without using a transformer.

Ensure that the supplied transformer is used.

The mains plug must be situated indoors (e.g. house, garage, shed) in order to protect it from the elements.

Do not exceed the transformer load. Transformers may require a minimum load to operate.

Always disconnect the transformer from the mains when installing or maintaining this system.

This system contains non-replaceable parts and cannot be serviced. If damage occurs the part should be scrapped.

This product cannot be dimmed.

This product is rated at IP67. These are suitable for installation in very wet areas, but not permanently submerged.

The transformer must not be installed directly in the soil, but placed in a protective box.

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist.

Check with your local authority or retailer for recycling advice.

## Specification

The Kit should contain:

- 1 x 12V Indoor inline transformer with 15 metres of cable,
- 1 x Outdoor rated 10-way junction box,
- 10 x LED light fittings each with 5 metres of cable attached, Junction box blanking plugs.

Power Supply:

Input: 240V 50Hz a.c. Output 12V d.c. 5W

Lamp:

13889 & 13992 - 3 x 0.07W White LED

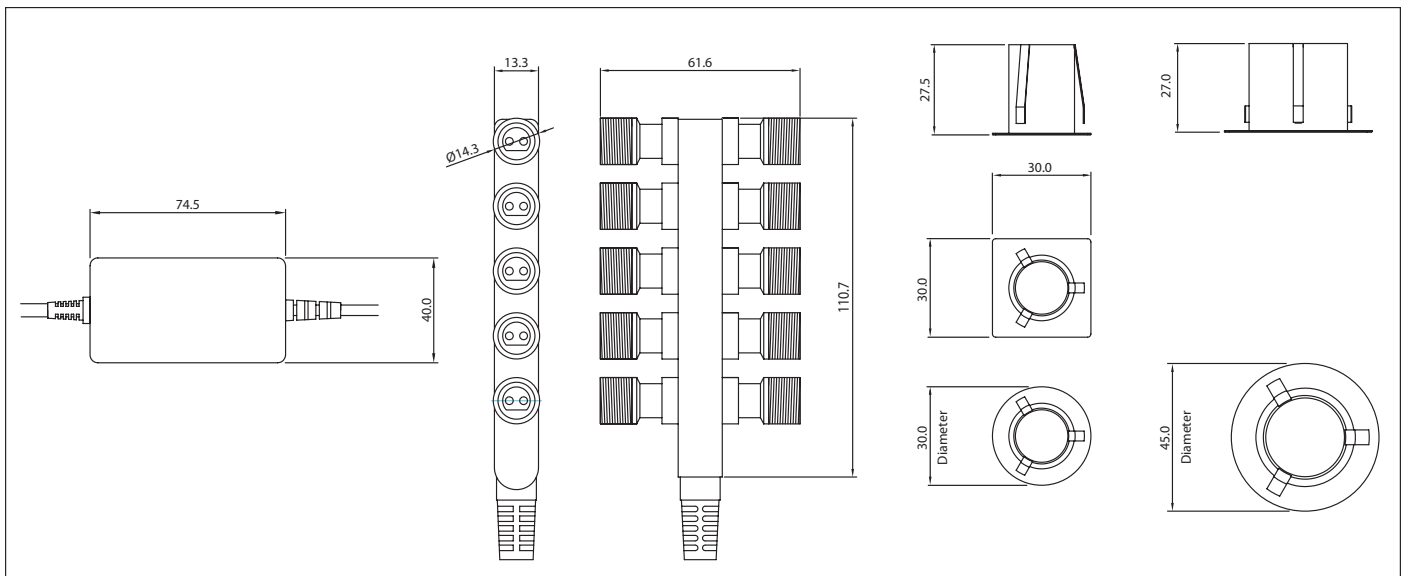
13890 & 13994 - 3 x 0.07W Blue LED

13988 - 6 x 0.07W White LED

13989 - 6 x 0.07W Blue LED

IP rating:

67



## Layout

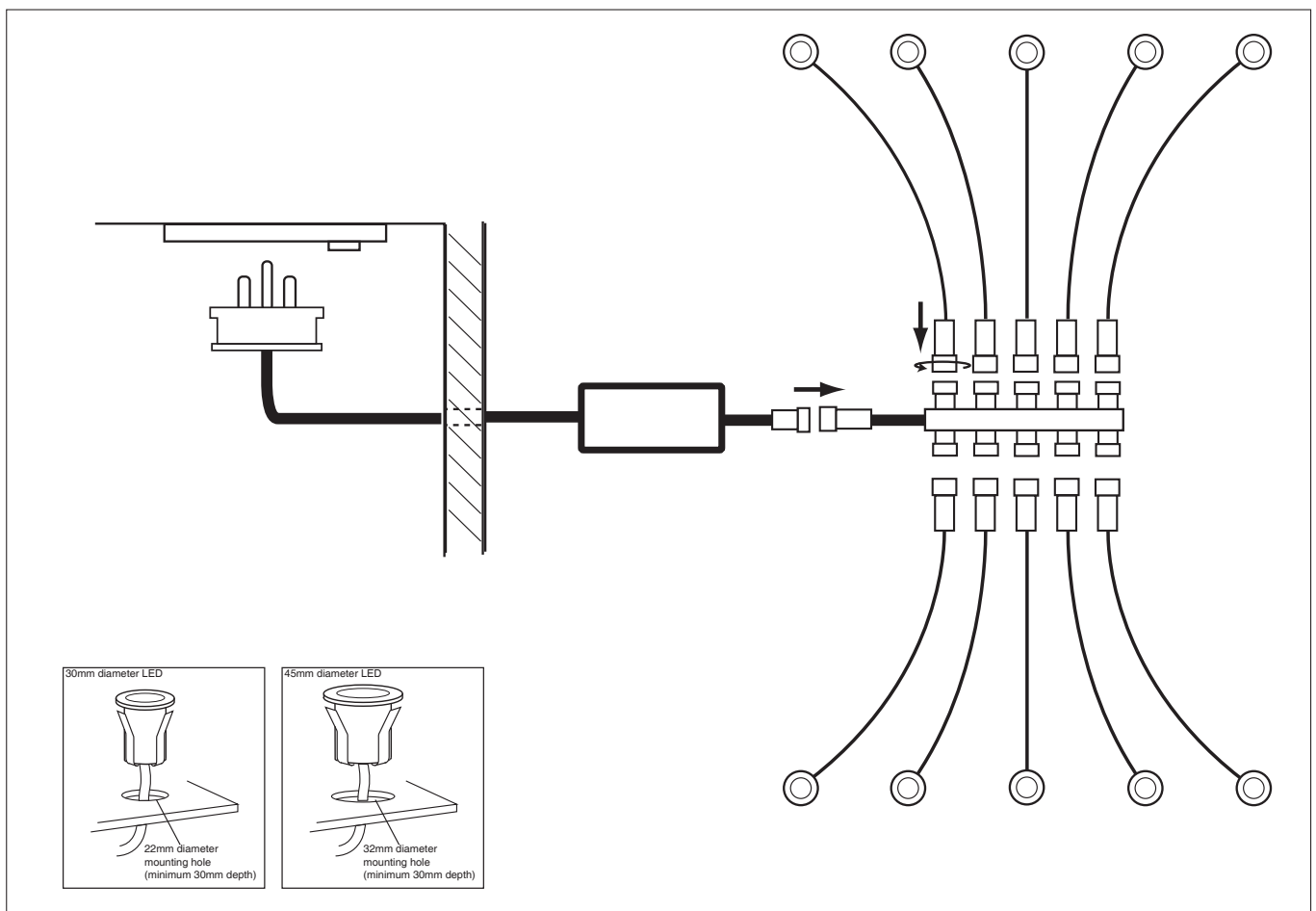
- Plan the desired layout of these fittings carefully, ensuring the cables will reach the distances between the indoor transformer, the outdoor junction box and each light fitting.
- Avoid locating any cables in positions that would cause a trip hazard. Position cables and junction box away from areas where they may be at risk from being cut, trapped or damaged.
- The mains plug must be situated indoors. The kit can be wired into a IP67 external terminal block. This must be carried out by a competent and qualified electrician.
- The transformer is rated at IP67 and can be positioned outdoors.
- The junction box is rated at IP67 and can be positioned outdoors.
- The light units are rated at IP67.

## Safety Information

- This LED lighting kit is designed for indoor and outdoor installation for use in patios, in walls, on decking, step edges, in pathways and in other areas of the garden.
- This system operates at Safety Extra Low Voltage (12V), via the plug-in transformer. Never connect the light fittings directly to the mains without using this transformer.
- Always unplug the transformer from the mains when installing or maintaining this system.

## Installation

1. Position the plug next to the indoor mains outlet socket that the system will connect to. Do not plug-in at this stage.
2. After deciding the layout of the light fittings, and the position of the junction box, ensure the cables are long enough to connect to the desired positions.
3. Drill the mounting holes for the light units taking care not to damage any pipes or mains cables beneath the mounting surface. For 30mm diameter LED lights drill a 22mm clearance hole. For 45mm diameter LED lights drill a 32mm clearance hole. Minimum hole depth is 30mm.
4. Feed the plug and cable of each light unit through the mounting holes and push unit into the hole to secure.
5. Connect each LED light to the junction box ensuring each plug is fully screwed into the junction box sockets.
6. Ensure that all the LED heads are connected to the IP67 junction box.
7. Connect the transformer cable into the end socket on the junction box
8. Plug the transformer into the mains socket and switch on.

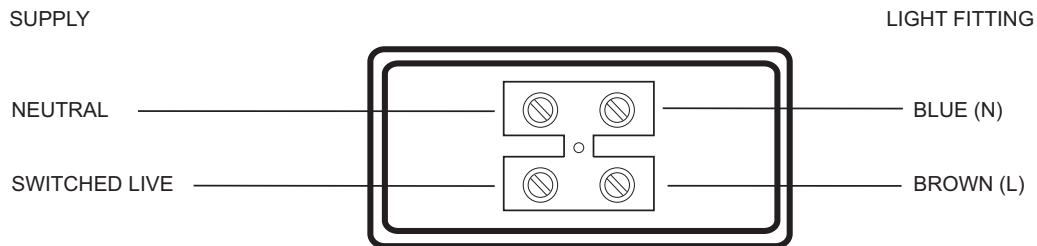


## Wiring

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**If not using the supplied plug then the product must be wired to a IP67 rated terminal block.**

Having correctly identified the wiring from your existing light fitting, connect to the approved outdoor rated external terminal block in the following way:



## Care and Cleaning

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We recommend cleaning with a soft dry cloth.

Do not use solvents or abrasive cleaners as these could damage the finish.

To prolong the life and keep your outdoor lighting in good condition, it is recommended that periodically it is cleaned using a soft cloth followed by the application of a light coating of oil, such as WD40.

**Do not clean the units with a pressure washer.**

## Recycling Advice

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Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

## Safety Information

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**Live Voltages may be present in the transformer even when turned off or when completely disconnected.**

For your safety, always switch off the supply before maintaining the system.

This system contains non-replaceable parts and cannot be serviced. If damage occurs the part should be scrapped.



Saxby Lighting Ltd. BH23 3PE.