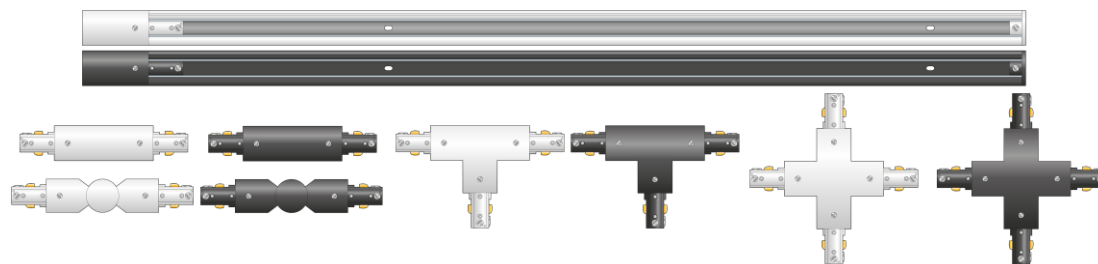


# TRACK LIGHT SYSTEM

## Installation Guide



Caution: Please read this manual carefully before operating  
Damage caused by misuse is not covered by the warranty

### Introduction

Thank you for choosing the Fluxia mains track system for your feature lighting installation. The track and accessories supplied are intended for professional use only and should be fitted by a qualified electrical installer. Please use the following instructions as a guide when installing these products.

1m mains lighting track	white	156.130UK	Multi-angle track coupler	white	156.122UK
	black	156.131UK		black	156.123UK
2m mains lighting track	white	156.132UK	3-way "T" connector	white	156.124UK
	black	156.133UK		black	156.125UK
Straight track coupler	white	156.120UK	4-way "X" connector	white	156.126UK
	black	156.121UK		black	156.127UK

**Warning:** These products must be earthed and are intended for indoor use only.

### Planning

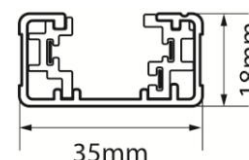
When planning the installation, it is advised to measure and mark out the track scheme on the ceiling in order to accurately gauge the track and connectors that will be required. Take the length of each connector into account when measuring and allow room to slide each connector into place during installation.

Assembling the scheme on the floor prior to installation is advised to ensure that all accessories fit together correctly. There are various connectors available for extending and splitting the track to form different shapes and patterns. Select the appropriate straight, multi-angle, "T" or "X" connectors to achieve the required coverage. It is important to note that the track connectors are asymmetrical with Earth on one side and so will only fit into the track one way round.

### Preparation

Each length of track is supplied with a power connector and an end cap. The track is continuous and has 3 conductors to carry Live, Earth and Neutral from the mains to luminaires attached to it.

The track is supplied in 1m or 2m lengths and may be cut to length using a hack saw, taking care that any end cuts are neat and square to the track. During cutting and assembly, it is important to secure the conductors so that they do not slide out of position.

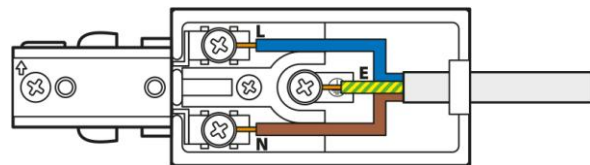


The track has punched holes down its axis to facilitate fixing to the ceiling. Alternatively, holes may be drilled for more convenient fixing points and/or spreading the load of track and luminaires. Screws and plugs are provided for fixing to solid ceilings but these can be replaced with more appropriate fixings for false and suspended ceilings. For modular panel ceilings, it is advised to position wooden battens above the lattice and fix to this through the panels or mineral tiles to spread the load.

## Mains connection

Although each length of track is supplied with a power connector, only one may be required for all interconnected lengths of track, so long as the total lamp current is within the 12A maximum rating. An ideal mains feed would be directly from the ceiling, as with a standard ceiling rose. Note: the power connector will only fit into one end of the track.

Remove the plastic cover of the power connector by unfastening the single screw nearest to the track. Ensuring that the power is disconnected at source, feed a 3-core mains cable from the ceiling into the power connector through the punch-out disc on the top side of the power connector, or alternatively, through the end of the connector. Strip the Live, Earth and Neutral cores and connect each to its relevant screw terminal inside the housing and replace the plastic cover.

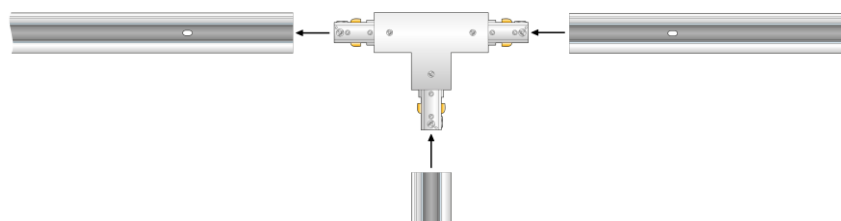


This power connector will usually be connected to the first or last piece of track in the scheme.

## Installation

Align the first piece of track with its intended position on the ceiling and mark out the position of the fixing holes. Remove the track and drill pilot holes or wall plug holes if required. Fix the track into position using the appropriate fixings and if this is the powered end, attach the power connector.

At the other end of the track, remove the end cap if further lengths of track are to be connected. Select the appropriate Fluxia connection accessory to extend onto the next 1, 2 or 3 tracks, depending upon the layout.



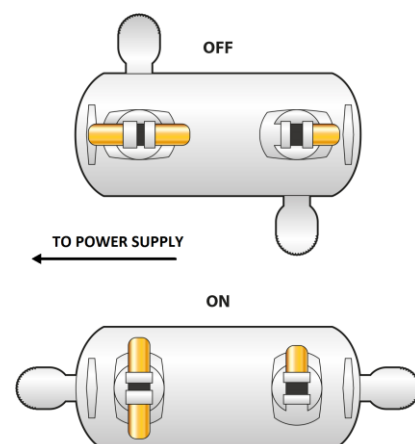
Slide each subsequent length of track in onto the connector(s) in turn, aligning with the required position on the ceiling. Mark and drill any necessary holes and fix the track(s) in place.

For any track lengths that are not extended further, ensure that the end cap is fitted to the terminated end.

## Luminaire connection

The number of luminaires connected will be only limited by the maximum 12A current rating of the track or the current rating of the circuit breaker that it is fed from. For example, when installing track lights which require 500mA each, the limit will be 20 units or 10 units if fed from a 6A breaker.

The connection of the luminaire to the track is effected via 2 rotating tabs on its base. With the 2 tabs rotated outward in the OFF position (at right angles to the track), offer the fitting up to the track at the required position with the 2-pole tab toward the power supply end. Locate the base into the track and turn the 2 tabs to align with the track (axially). The base should now be secured and connected to the track. If the tabs will not turn, the base is the wrong way round.



When all luminaires are connected and their beam directions are adjusted, power up the track to check all are working properly. For further information about Fluxia track lighting products, go to [www.avsl-fluxia.com](http://www.avsl-fluxia.com)



**Disposal:** The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.