

TUBE LIGHT

Installation Guide

Red	155.010UK
White	155.015UK
Blue	155.020UK
Green	155.025UK
Yellow	155.030UK
Orange	155.035UK



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

Version 1.0



Introduction

Thank you for choosing Lytt Tube Light as part of your decorative lighting installation. This product has been designed to add light and colour to indoor or outdoor areas for displays, architectural highlights and themed installations. Please use the following guide to avoid incorrect installation and get the best results from Lytt Tube Light.

Construction

Tube light comprises a continuous chain of miniature light bulbs (sometimes called “rice bulbs” because of their shape), encased in an inner PVC extrusion with an outer coating of coloured PVC which is resistant to water-ingress, impact and UV degradation. The product is supplied as a 45m roll and can be cut to length as required. The power lead is sold separately.

Storage and Handling

Keep unused rolls or part-rolls in a clean and dry environment. Protect cut ends, if necessary, with end caps and/or tape. Do not store in freezing temperatures or extreme heat as this can affect the strength and flexibility of the PVC containment when it is being installed.

Available accessories

153.604UK	End cap for Tube Light
153.624UK	1.5m UK power lead with 2-pin connector, shrink tubing and end cap
153.627UK	Silicone glue for waterproof installation – 22g tube
153.629UK	Set of 2 couplers for extending or splicing lengths of Tube Light
153.630UK	Mounting clip (sold in packs of 25)
153.631UK	Plastic channel for Tube Light – 2m length



Warning

Lytt Tube Light operates from 230Vac mains voltage and installation and connection should be carried out by a qualified electrical installer.

Safety

- Do not connect Tube Light to power whilst still on the roll or during installation and ensure all connections are sealed before connecting to the power supply.
- Lytt Tube Light is IP44 water-resistant and can be used outdoors. Do not submerge or install the Tube Light in water and keep away from constant flow or jets of water.

Installation

Lyyt Tube Light can be attached to building surfaces, frameworks, suspended or laid into channels as required. Mounting clips are available which can be screwed in place to fix the Tube Light to various surfaces and shape it to follow architectural details or specific designs.

Tube Light must be completely uncoiled and should be installed without any overlapping loops. Do not completely enclose the Tube Light and allow space for ventilation and cooling. Do not cover or apply heavy stresses to the PVC containment.

Tube Light can be cut to length at the indicated cutting points at 1 metre intervals along the length of its outer PVC covering. Use a sharp knife or shears to ensure a clean cut.



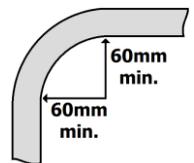
Likewise, cut lengths or entire rolls of Tube Light can be coupled or spliced together using the optional 2-pin couplers that can be purchased separately (see “Available accessories” above).

Note: The maximum length that can be connected together is 90m, or 2 complete rolls.

To maintain the water-resistant protection of the product and to insulate the mains voltage carried through the Tube Light, all cut ends and joints must be sealed using silicone glue and heat-shrink tubing. See instructions on the following page

For straight runs, plastic channel is available in 2 metre lengths and can be installed to hold the tube light firmly in a straight line.

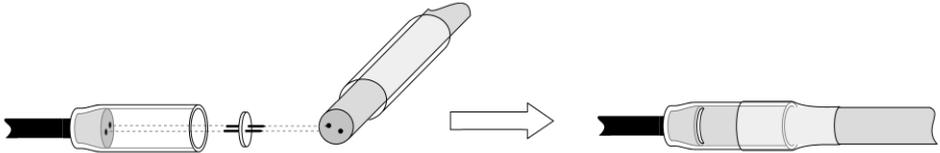
Tube Light can also be fitted around corners with a minimum bend radius of 60mmØ. (Any attempt to force the Tube Light to follow a smaller radius can result in damage to the integrity of the PVC insulation, rice bulbs or connections between them). It is advised to connect the power lead and end cap (see below) and power up the Tube Light for a short time to soften it before making such sharp bends. Avoid bending the Tube Light at any jointed connections.



Connection

The power lead is supplied with a 2-pin connector with rounded pins on one side and spikes on the other side. The spikes should be pushed into the cut end of the Tube Light where the ends of the 2 internal wires can be seen. This is to ensure a good electrical connection.

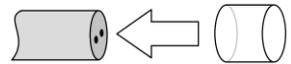
Slide the supplied heat-shrink tubing over the connector and Tube Light and push the rounded pins into the corresponding sockets inside the shroud (either way around is OK). Apply silicone glue where the Tube light emerges from the shroud and slide the heat-shrink tubing back over this joint area. Use a heat gun to shrink the tubing onto the joint area to ensure a good seal.



For any jointed lengths of Tube Light, follow the procedure as above. Slide the heat-shrink tubing over the Tube Light. Firmly insert the 2 spike pins either side of the coupler into the wires at the cut ends of each length of Tube Light, apply silicone glue around the joint. Slide the heat-shrink tubing back over the joint and shrink it onto the joint with a heat gun.



At the end of the Tube light run, apply silicone glue to the end face and slide an end cap over it to keep it water-resistant and insulate the internal wires. Allow joints to cure for 24 hours before operating in moist or humid conditions.



Specifications

Power supply	230Vac, 50Hz
Lamp life (hours)	25000
Length	45.0m
No. of bulbs	36/m
Power consumption	16.4W/m
Temperature range	-20 - 80°C
IP rating	IP44
Outside diameter	13mmØ
Minimum bending radius	60mm



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.

*Errors and omissions excepted.
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