

# The Gallery <sup>lighting</sup> System

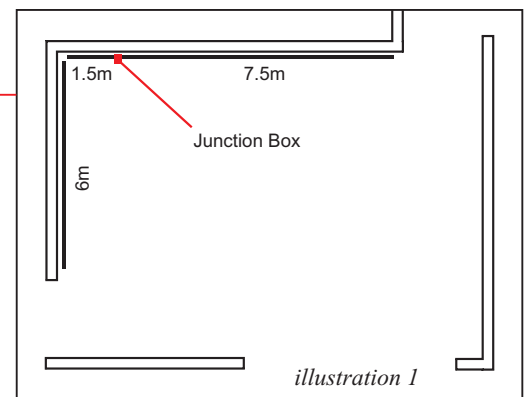
## DIRECTIONS

### PLANNING YOUR LIGHTING SYSTEM

#### 1 The Rules of the Game

Low voltage power (12 volt) unlike high voltage (240 volt) cannot travel long distances, so this will affect where you position the Junction Box in your hanging system. Each 300 VA transformer can run a maximum of 12 x 20 watt lamps.

The power can travel a maximum of 7.5 metres in either direction from the 12 volt Junction Box to the track eg. A 15 metre system would need the Junction Box to the track in the middle so the power travels only 7.5 metres in each direction as shown.



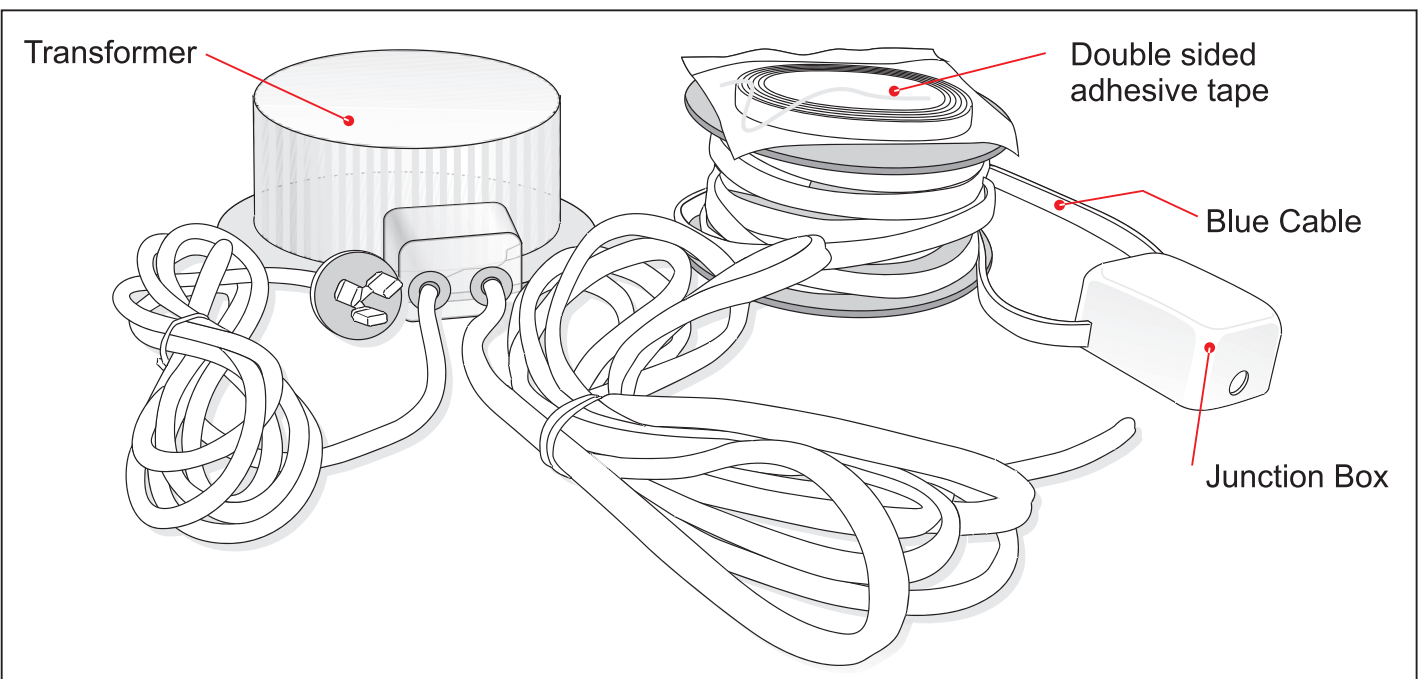
#### 2 Height of Track

Recommended height is 2.4 to 2.7 metres. Our system is highly effective because it positions the lamps close to the art. If the lights are placed too high (a) less light reaches the art. (b) the oblique angle further reduces effectiveness.

#### 3 Need help planning your system?

If you need help send us a floor plan and indicate where the track and lights are to go. Include the location and height of available power points so we can plan the job and work out a quotation.

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## INSTALLATION

### Positioning the Transformer

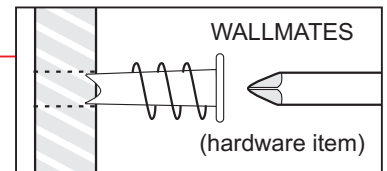
The transformer reduces 240v mains power to a safe 12v. It can be fixed to the wall or simply placed on the floor against the skirting. It can also be fixed above the ceiling with the 12v cable installed inside the wall cavity.

Larger jobs may be divided into two or more systems, each with it's own transformer.

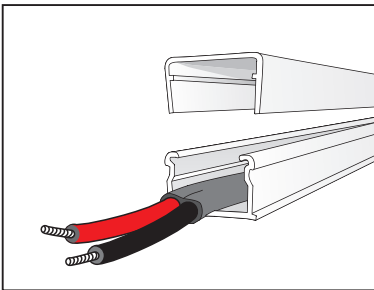
### Fixing The Transformer and screw in place if necessary.

If the 12v cable from the transformer is to be mounted on the wall we recommend using plastic conduit as shown for better appearance. Available from your local electrical wholesaler, it can be fixed to the wall using double-sided adhesive tape (hardware store).

If fixing to plasterboard you can use Wallmates so you won't need to find a timber stud.

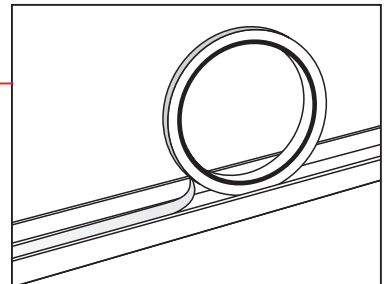


### Cutting the Track and Fitting the Double-sided Tape



• Cut the track with a hacksaw where needed.  
Allow a 56mm gap where the Junction Box is to go.

Before screwing the track into place, fit the Double-sided Tape to each length of track as shown. •  
DO NOT remove the paper cover from the tape as it will attract dust and grit while you are fixing the track.  
It is much easier to fit the tape before the track is fixed to the wall.



### Fixing the Track

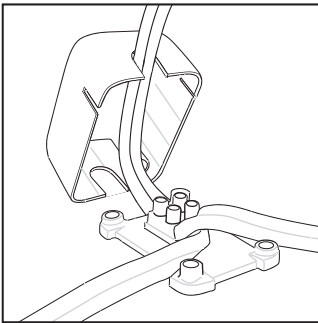
Leave at least a 15mm gap between the track and the ceiling or cornice so there is room to fit the light wands. Screw the track to the wall using 25mm pan head self tapping 8 gauge screws or similar, spaced 500mm apart. (for more detail go to [www.thegallerysystem.com](http://www.thegallerysystem.com))

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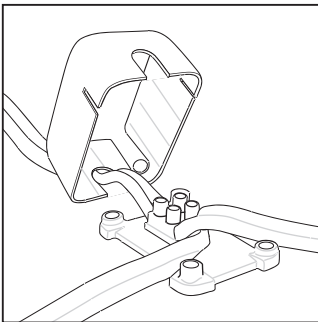
## INSTALLATION

### Connecting the Black 12volt Cable to the Junction Box

The cable can enter the junction box through the top or bottom hole depending whether your transformer is mounted above or below the track. Cut the cable so the wires will reach the connections in the box (see below). Strip wires as shown below being careful not to cut into the copper wire:-

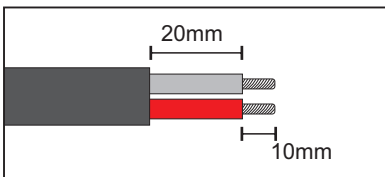


**Entry through the top hole** - Measure cable length to the outer cover of the box and allow an added 30mm for the cable which goes inside the box. Trim as shown.



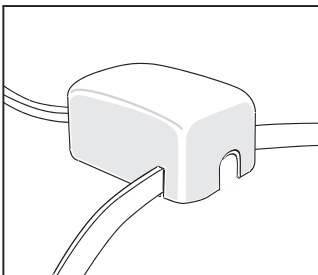
**Entry through the bottom hole** - Measure cable length to the outer cover of the box and allow an added 50mm for the cable which goes inside the box. Trim as shown below.

### Trimming the Insulation



Trim the ends as shown and feed the cable through the selected hole in the lid. Then fit bared ends of the wires into the two available holes in the connector. It doesn't matter which wire goes into which hole.

### Fitting the Junction Box and Flat Blue Cable



Fit the blue cable into the slots in the lid as shown. Position the box so the flat blue cables are at the right height to feed along the track.

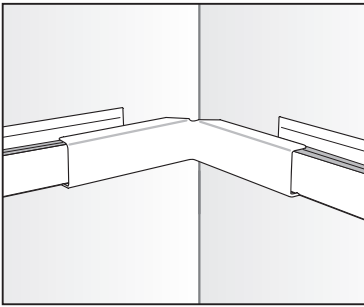
On smooth surfaces, fix the box in position using the adhesive tape which is already fitted to the back of the box.  
On rougher surfaces screw in position.

Then peel the paper cover from the Double-sided Adhesive Tape you have already fitted into the track and lay the blue cable in position taking care it lies straight in the track.

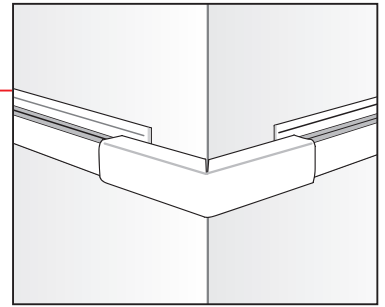
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## INSTALLATION

### Corner Covers



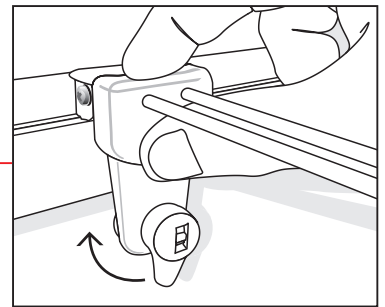
These cover the blue cable where it goes around corners. Two types to suit inside and outside corners. Also straight covers to hide the blue cable if there's a gap in the track. Covers available in two finishes to match track.



### Fitting the Light Wands

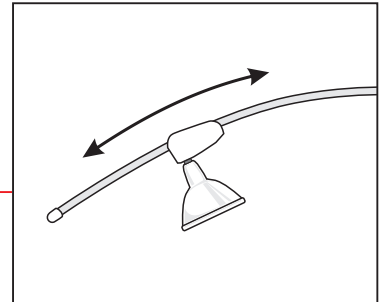
**IMPORTANT** - USE THUMB POWER!

First fit the lamp into it's socket. Then check the lever is in the down position as shown. Hold the light wand in position on the track and plant your thumb firmly as shown. This is very important as it ensures the wand is perfectly straight. Then turn the lever half a turn clockwise. This movement forces sharp probes to penetrate the blue cable and make electrical contact so if the power is on the lamp will light up as you turn the lever.



REMEMBER - if it's not straight it won't work!

To adjust the angle of the light just slide the lamp socket fitting up or down as shown.



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