# Electric Channel Rail - Components & Fitting Instructions

## Components:


**1. Electric Channel Rail at 1M**
**2. Electric Power Connector**

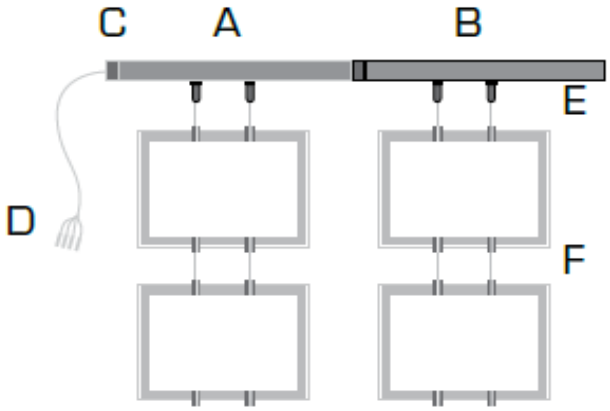
**3. UK Power Transformer**

**4. Cables (normally 4M Lengths)**

**5. LED Pockets (Example)**

## Fitting - Instructions






REQUIRED TOOLS

Drill
Cutting Pliers
Hacksaw
Screwdriver Set
Screws / suitable fastenings for the rail
Spirit Level

### Step 1 - (Electric Power Rail)

Decide the location to add the "Electric Power Rail" to your ceiling

Where to locate?
**If you have a plaster boarded ceiling then……..**
Then, locate your ceiling joists, pencil mark each joist
Then, pencil mark the same locations onto the Electric Rail
Then, using a drill, drill holes through the pencil marked rail
Then, secure the Electric Rail to the ceiling
Congratulations - you should now have the rail, securely attached

Where to locate?
**If you have a solid concrete ceiling then……..**
Then, pencil mark the Electric Rail for your holes
Then, using a drill, drill holes through the pencil marked rail
Then, add raw plugs and secure the rail to the ceiling
Congratulations - you should now have the rail, securely attached

Where to locate?
**If you have a wooden beam in the ceiling then……..**
Then, pencil mark the Electric Rail for your holes
Then, using a drill, drill holes through the pencil marked rail
Then, secure the rail to the ceiling
Congratulations - you should now have the rail, securely attached

### Step 2 - (Electric Power Rail)

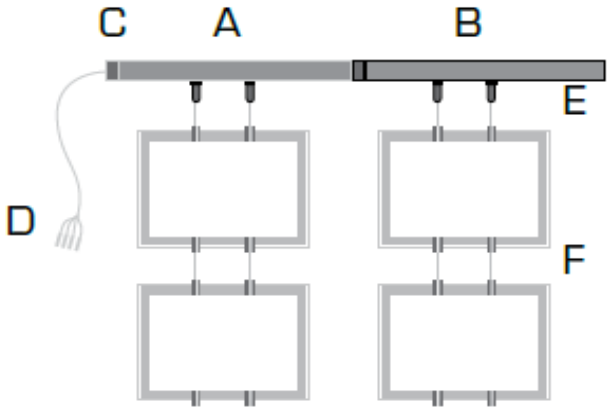
Purchased several Electric Rails?

Electric Rails are supplied in 1M lengths
Let's assume you have purchased 2x Electric Rails and want a continuous run
If you have requested a 2M rail i.e. 2x 1M then, we will also supply the joiner
Use the joiner in-between the rails when fitting the Electric Rails to the ceiling

If your 2M rail is to long, simple cut off the excess using a hacksaw

## Fitting - Instructions



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**Step 3 - (Cable to Electric Rail)**

Pending on what package has been order

Starting from left-to-right
Insert 1x Cable into the Electric Rail - ensure a very firm fitting!
Then, measure the supplied LED Pocket cable gaps
Then, insert 2nd cable into the Electric Rail - ensure a very firm fitting!

**Step 4 - (LED Pockets)**

Pending on how many LED pockets have been supplied
Let's assume you have ordered 3x LEDs per column…….

Now decide the location of the upper most LED Pocket
You should have 4x LED Pocket grippers (2x either side)
Then, secure the LED Pocket to each cable
Using your spirit level check that the LED is 100% level

Now decide your wanted gap between each LED pocket
Now repeat the process for your 2nd LED pocket

Now decide your wanted gap between each LED pocket
Now repeat the process for your 3rd LED pocket

**Step 4 - (Cable to Floor / Window Sill)**

Plumb the cable using a spirit level
Mark the floor or window sill with a pencil
Secure the bottom of the cable fitting into your floor / window sill
Cable may need cutting, be careful here as once it has been cut its cut!
Top tip - keep taking off parts of the cable until you gain your desired length!

**Step 5 - (Gaps between each new column)**

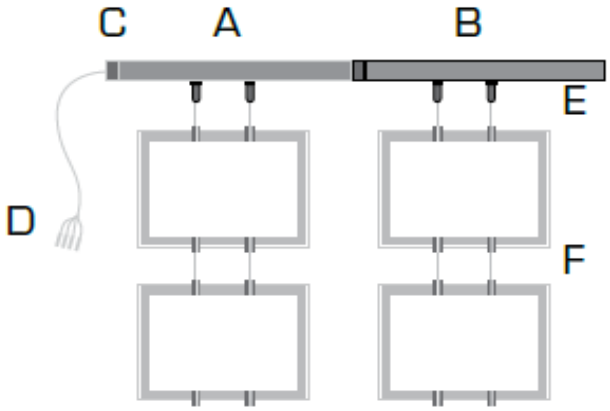
Recommend is 150mm or more

**Step 6 - (Additional Columns)**

Repeat all Steps 3 to 5

## Fitting - Instructions



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### Step 7 - (Stand-Back and Admire)

Armed with a spirit level - re-check every LED Pocket is level
Adjust as necessary

### Step 8 - (UK Power Transformer)

Secure the transformer into the ceiling void

Transformer may be supplied with securing holes, if you have this type supplied
Secure transformer to the ceiling area with screws

If supplied transformer foes not have fixing holes
Secure to the ceiling with what ever you can think of

**Connection:**

Connect the power sector to the Electric Rail Connector
Connect the power plug to your wall socket
Turn on the wall socket - that's it

### Step 9 - (Document Changes)

Each LED pocket is double-sided
To change the properties…..
Lightly de-magnetise the surrounding frames

Insert your document then, release the frame
Documents take seconds to add into the LED!

Repeat the process…….
For the other side of the LED pocket

# Limitations for the LED Pockets



## Step 10 - (Limitations)

Each Electric Rail has a limitation on the number of LED Pockets that can be used
Each Electric Rail also has a limitation on the transformer power output
We have listed our packages correctly + the correct transformer

**NEVER OVER LOAD THE TRANSFORMER!**

**GOLDEN RULE = NEVER EXCEED 80% OF TRANSFORMER OUTPUT**

## Step 11 - Each LED Pocket uses in "Watts"

### SINGLE LED POCKETS:

| | | | | | |
|---|---|---|---|---|---|
| **A4 Portrait** (Single Pocket) | Watts = | **8w** | **A4 Landscape** (Single Pocket) | Watts = | **8w** |
| **A3 Portrait** (Single Pocket) | Watts = | **10w** | **A3 Landscape** (Single Pocket) | Watts = | **10w** |
| **A2 Portrait** (Single Pocket) | Watts = | **15w** | **A2 Landscape** (Single Pocket) | Watts = | **15w** |

### DOUBLE LED POCKETS

| | | | | | |
|---|---|---|---|---|---|
| **A4 Portrait** (Double Pocket) | Watts = | **10w** | **A4 Landscape** (Double Pocket) | Watts = | **15w** |
| **A3 Portrait** (Double Pocket) | Watts = | **15w** | **A3 Landscape** (Double Pocket) | Watts = | **20w** |

### MIXED LED POCKETS

| | | | | | | |
|---|---|---|---|---|---|---|
| **Mixed Version** | Watts = | **20w** | = | A4P | A3 LANDSCAPE | A4P |
| **Mixed Version** | Watts = | **15w** | = | A4P | A3 LANDSCAPE | |
| **Mixed Version** | Watts = | **15w** | = | A3 LANDSCAPE | A4P | |