

240 Watt - Transformers



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LED Driver Constant Voltage
PCV12240E - Rated at IP67
Outward Power = 240W
Cooling by Free Air Convection

Perfect for -
Low voltage (12v) LED bulbs + LED Strips

Features of 240W LED Driver Power Supply Transformer:

The IP67 rating waterproof transformer indicates a high level of protection
12V transformers provide a 12-volt output suitable for powering low-voltage devices

Applications:

Perfect for - Low voltage (12v) LED bulbs & LED Strip Lighting power supply.
Transformer is ideal for indoor & outdoor applications (where exposure to moisture is a concern)

Certificate:

CE & RoHS certification.

Protection:-

Safe for operating, with the fuse for protection, Automatic short circuit, overload
Safe for operating, protection over temperature and inrush current protection

Advice:

Deciding on this Transformer Unit...
This is based on what you are planning to illuminate
Just calculate the power demand wanted + add = 25% of unwanted demand
This 25% is known as a 'Cushion Effect' & its vital for a long-life transformer!

Advice - Based on 1x Drop of 4x A3 LED Pockets:

Let's assume that you have 4x A3 Landscape LEDs on a single drop
A3 Landscape LEDs demand 10 Watts each, hence $4 \times 10W = 40W$
Then, if only utilising 1x drop, you will need a = **60W Transformer**

Advice - Based on 5x Drops of 4x A3 LED Pockets:

Now let's assume you have 5x drops and in 1x window but, don't want 5x 60W Transformers
1x Drop of 4x A3 Landscape LEDs = 40W
5x Drops of 4x A3 Landscape LEDs ($5 \times 40W$) = 200W
Then, also allowing for a 'Cushion Effect' of say 40W
Then, if only 1x Transformer is utilised, you will need a = **240W Transformer**



Advice - Replacing 1x 60W Transformer

Let's assume you already have everything set up - but, your transformer has failed

This means all you need to do is purchase a new transformer

Let's also assume your replacing a 60W Transformer

- Step 1 - Turn off the power supply to your window*
- Step 2 - Un-Plug the UK Socket to the transformer*
- Step 3 - Now if your power to your LEDs is on the floor area*
You will have 2x thin cables connected to 2x transistors (on the suspended cable)
Utilising a Allen key, undo each grub screw and remove the thin cables
- Step 4 - Now reverse the instructions when adding the new transformer*
- Step 5 - Thin cables should be marker "+" & "-" just ensure you add the thin cables correctly*
- Step 6 - If the LEDs fail to illuminate, you have the thin cables in the wrong positions!*

Advice - Replacing 1x 240W Transformer

Let's assume you already have everything set up - but, your transformer has failed

This means all you need to do is purchase a new 240W transformer

- Step 1 - Turn off the power supply to your window*
- Step 2 - Un-Plug the UK Socket to the transformer*
- Step 3 - Now if your power to your LEDs is on the floor area*
A good electrician would have already divided the "+" & "-" thin cables
The same electrician would have added a junction box for all those cables
So, if that is the case, don't change the cables in that junction box
- Step 4 - Look for the 2x cables coming from the old transformer to that junction box*
- Step 5 - Once found, remove them*
- Step 6 - Now reconnect using the new 240W Transformer*
- Step 7 - Now turn on the power supply - that's it*

Surge Protectors

- 1 For additional peace-of-mind a 'Surge Protector' is advisable*
- 2 A good electrician will wire everything to an individual fuse in your power unit*
Or
- 3 Simply add a 'Surge Protector' before the power transformers*
- 4 If No 3 is wanted - Open our website and look for = Surge Protectors*