

75 Watt LED Transformer (IP20)

75W	12V 24V	IP20	Over Current Protection	Short Circuit Protection
Commercial Grade		ROHS COMPLIANT	CE	5 YEAR WARRANTY

■ PRODUCT DESCRIPTION

75-watt LED transformer is available in 12-volt or 24-volt models, both designed to power up to 75W of LED lighting with no minimum load. This transformer can be used to drive either single-colour LEDs or colour-changing (RGB/RGBW) LEDs.

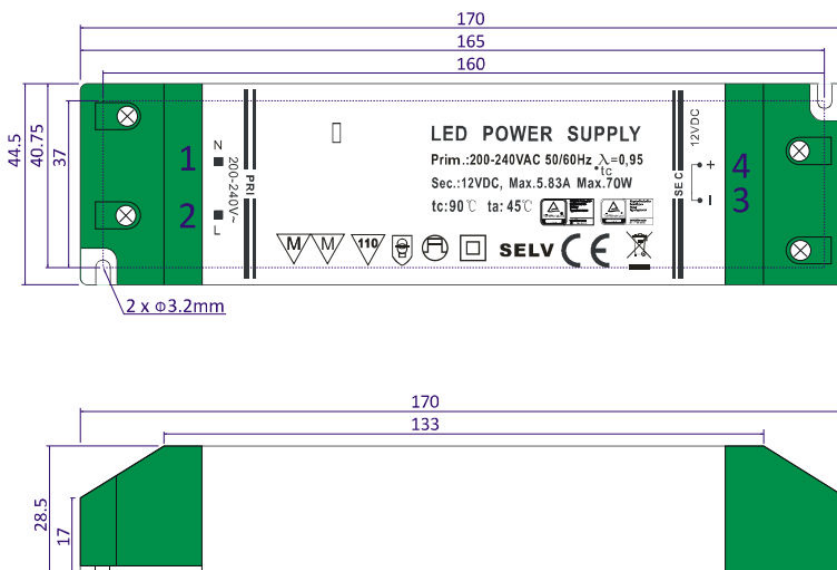
The transformer is intended for interior applications (non waterproof), but it can also power waterproof LED tapes without any problems – just as long as the transformer itself is installed in a location free from moisture. The unit is fully sealed with hardwired connections, so it is safe to touch, and with 2 x pre-drilled fixing points it can be installed in most locations. Very little heat is given off by the transformer, so it can be used in confined spaces.

Input voltage 220-240v AC. Output voltage 12v or 24v (2 models – be sure to choose the voltage you need!).

This item is RoHS compliant and conforms to all UK safety standards.



■ Dimensions



■ Pin Assignment

- 1 - Input AC/N
- 2 - Input AC/L
- 3 - Output DC/-
- 4 - Output DC/+

PRODUCT SPECIFICATION

Output	12V	24V
Rated Voltage	12V	24V
Rated Current	5.83A	3.13A
Rated Power	69.96W	75.12W
Current Range	0 ÷ 5.83A	0 ÷ 3.13A
Line Regulation	± 1%	
Load Regulation	± 2%	
Voltage Tolerance	± 5%	
Ripple & Noise (max.)	150mVP-P	250mVP-P
Setup, Rise, Holdup time	500ms, 20ms	
Holdup time	15ms / 230VAC at full load	15ms / 230VAC at full load
Input	12V	24V
Voltage Range	180 ÷ 264VAC	
Frequency Range	47 ÷ 63Hz	
Power Factor (typ.)	PF > 0.9 / 230VAC at full load	
Efficiency (typ.)	85%	85%
AC current (typ.)	0.5A / 230VAC	
Inrush current (max.)	75A / 230VAC(25°C)	
No Load Power Consumption (max.)	0.21W	
Protections	12V	24V
Over Current	Range: 110 ÷ 140% Type: hiccup mode. Recovers automatically after fault condition is removed.	
Short Circuit	hiccup mode. Recovers automatically fault condition is removed.	
Over voltage	14 ÷ 20V	28 ÷ 40V
	shut down output. Recovers automatically fault condition removed	
Over temperature	Range: 140°C ± 10°C Type: shut down output voltage. Recovers automatically after fault condition is removed.	
Working Environment	12V	24V
Working Temperature	-20°C ÷ 45°C	
Working Humidity	45 ÷ 85% RH non-condensing	
Storage Temperature and Humidity	-30°C ÷ +70°C, 10 ÷ 95% RH non-condensing	
Safety & EMC Regulations	12V	24V
Safety Standards	Compliance to EN61347-1, EN61347-2-13	
Withstand Voltage	IN/OUT: 3.75kVAC	
EMC Emission	Compliance to EN55015	
EMC Immunity	Compliance to EN61547	
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2	
Other	12V	24V
Dimensions	170 x 44.5 x 28.5mm (L x W x H)	
Weight and Packing	0.25kg; 25pcs./box; box dimensions: 23.5 x 17.5 x 16.5cm	
Product Code	EN-75-12	EN-75-24

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SPECIFICATION SHEET

■ IMPORTANT INSTALLATION INFORMATION

- Installation should be carried out in accordance with the latest edition of the National Wiring Regulations. If in doubt, consult a qualified electrician.
- Handle with care – LED strips are delicate!
- When installing, be sure to allow for later access to all products (in the event of replacement/refits).
- Attention shall be paid to the positive and negative poles of the wires during installation, and whether the power supply conforms to required voltages. This is essential to avoid damage.
- Be careful not to scratch, distort, or irregularly bend / twist the LED strips during installation. Otherwise you may cause irreparable damage to the product.
- To ensure the product's longevity and reliability, please do not bend an LED strip into an arc with a diameter less than 10mm – doing so will result in a diameter that's too small, and will damage the product.
- If the actual length of the LED strip exceeds the specified maximum length, it will lead to overload, overheating and uneven brightness.
- IP65 LED strips are suitable for internal use only.
- IP67 LED strips can be used externally. (If you have to cut a sealed IP67 strip yourself, then you must ensure the ends are re-glue sealed to IP67 standards before installation.)
- Keep the LED driver away from all direct heat sources – e.g., low-voltage lamps.
- LED drivers must have unobstructed airflow, with a minimum area space of 100mm.

■ INSTALLATION GUIDANCE

- First, ensure that the surface onto which the LED strip will be applied is clean and free from grease.
- Test all products before installing them.
- Note – Always unreel your LED strips before testing (otherwise overheating and damage will occur).
- When cutting the LED strips to size, use the marked cut points.
- Peel off the LED strip's backing tape. Position the strip on the clean surface in the required location, and stick it into place using the self-adhesive backing.
- If the LED strip is being installed with the LEDs facing downwards or facing sideways (vertically), then consider using fixing clips, extra-strength adhesive, or an LED profile. This will provide for a permanent install.
- If the LED strip is being installed externally, the same applies: use fixing clips, extra-strength adhesive, or an LED profile for a permanent install.
- If the total LED strip lengths exceed the stated maximum run, then the LEDs must be wired to the power supply as multiple shorter strips, in parallel.