VARILIGHT Dimmable Electronic Transformers

A

TROUBLE-FREE DIMMING

✓ For optimum compatibility choose VARILIGHT dimmers

✓ To calculate the total load for dimming, add the wattages of all the transformers you are intending to dim and choose a dimmer with a rating to suit.
N.B. For dimmable LEDs add the values of the LEDs to calculate the load and check the minimum load rating on the dimmer you intend to use is sufficiently low. For optimum performance when dimming LEDs Varilight V-Pro dimmers are recommended

Thank you for choosing VARILIGHT. We recommend that transformers are fitted by a qualified electrician.

Our electronic transformers are available in the following ratings: 35W/VA, 50W/VA, 70W/VA, 105W/VA, 150W/VA and 250W/VA. The rating is printed on the casing of the transformers. Make sure that the total wattage of the bulbs you are intending to power from the transformer you have chosen does not exceed this maximum rating. There is no minimum rating for our transformers (which makes them suitable for dimming 12V a.c. LEDs.

VARILIGHT transformers feature soft start, which gently brings lights up to full brightness when you switch on. This feature will also extend lamp life.

For your safety, VARILIGHT transformers have auto-resetting overload and over-temperature protection. If the light(s) turn off unexpectedly, it is likely that the associated transformer is overloaded. In this case, reduce the load by using fewer bulbs or choosing bulbs with a lower rating.

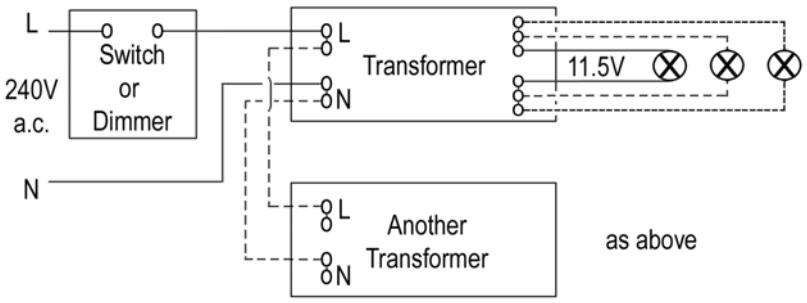
IMPORTANT

- Always turn off the electricity supply at the mains before beginning any electrical work.
- Always mount transformers in a horizontal orientation. Do not mount transformers vertically.
- If you require a longer cable then supplied (for transformers with integral cables) then use a proprietary terminal block to connect a suitable additional cable, ensuring no bare wires protrude from the terminals.

TECHNICAL DATA

	YT35L	YT50L	YT70L	YT105L	YT150	YT250
Input voltage	230V a.c.+/-10% 50Hz	230V a.c.+/-10% 50Hz	230V a.c.+/-10% 50Hz	230V a.c.+/- 0% 50Hz	230V a.c.+/-10% 50Hz	230V a.c.+/-10% 50Hz
Input current	0.15A for 35W	0.22A for 50W	0.33A for 70W	0.46A for 105W	0.65A for 150W	1.1A for 250W
Power range	35VA: 0-35W	50VA: 0-50W	70VA: 0-70W	105VA: 0-105W	150VA: 0-150W	250VA: 0-250W
Output voltage	11.5V max. 3.1A	11.5V max. 4.3A	11.5V max. 6.5A	11.5V max. 9.3A	11.5V max. 12.5A	11.5V max. 22A
Power factor	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9
Ambient temperature range	0 – 40ºC	0 – 40ºC	0 - 40ºC	0 - 40ºC	0 - 40ºC	0 - 40ºC
Insulation class	II	II	II	II	II	II
Quantity of input terminals	Leaded	Leaded	Leaded	Leaded	4	4
Quantity of output terminals	Leaded	Leaded	Leaded	Leaded	6	6
Weight	75g	100g	105g	125g	285g	325g

WIRING DIAGRAM



For transformers supplied with input and output leads use appropriate terminal blocks to make connections as shown.

FITTING ADVICE

Each transformer should be located in a well-ventilated position. It is important that cable lengths on the output side of the transformer are neither too short nor too long (optimum length 25cm). If the transformer is too close to the light, heat from the light could affect the functioning of the transformer. If the cable is too long, a “voltage drop” may result which would cause the bulbs to be less bright. (The longer the cable on the output side, the thicker the cable needs to be to reduce this effect.)

GUARANTEE:

In case of any defect return the dimmer to our service department. This guarantee is in addition to and not in derogation of the statutory rights of the purchaser and is offered so that you may have the benefit of our technical facilities. Should a defect occur in this unit within 12 months of its purchase we will replace or repair the defective unit free of charge provided that:-
a) The unit has been correctly fitted according to the instructions;
b) The transformer has not been tampered with or taken apart;
c) The unit is securely packed and safely returned to:-
Service Department, Carylls Lea, Faygate, Horsham, West Sussex, RH12 4SJ together with a letter stating the guarantee registration number below, the date and place of purchase, details of the fault, the type and wattage of the light(s) being controlled and what kind of switch or dimmer was used.

GUARANTEE REGISTRATION NUMBER A1005.