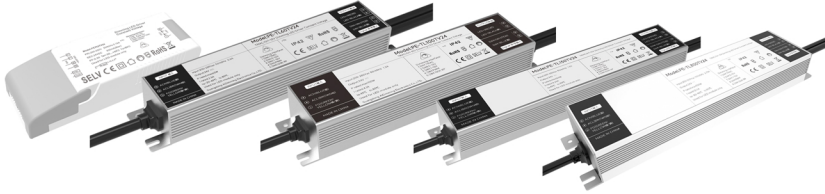




240V MAINS DIMMABLE DRIVERS MANUAL GUIDE

20W/60W/100W/150W/250W SERIES

DUAL TRIAC AND 1 - 10V DIMMING



For optimum TRIAC dimming performance, we recommend the tested Varilight V-COM dimmer range. Compatibility with other dimmer brands cannot be guaranteed.

Technical Parameters Comparison Table

Parameter	240-ADIM-20W (20W)	240-ADIM-60W (60W)	240-ADIM-100W (100W)	240-ADIM-150W -V2(150W)	240-ADIM-250W (250W)
Output Voltage	24Vdc ± 0.25 V	24Vdc ± 0.25 V	24Vdc ± 0.25 V	24Vdc ± 0.25 V	24Vdc ± 0.25 V
Max Output Current	0.83A (24V)	2.5A (24V)	4.2A (24V)	6.25A (24V)	10.42A (24V)
Max Power	20W	60W	100W	150W (24V) / 120W	250W
Efficiency (Typ.)	86-87%	86-87%	87-88%	88-89.6%	91-92.6%
Input Current (Max)	<0.18A	<0.8A	<1A	<1.5A	<2.79A
Inrush Current	7.2A / 380 μ s	32A / 380 μ s	70A / 162 μ s	80A / 376 μ s	13.8A / 800 μ s
Surge Protection	L-N 2kV	L-N 2kV	L-N 2kV	L-N 2kV	L-N 2kV
IP Rating	IP20	IP42	IP42	IP42	IP42
Dimensions (L×W×H)	135×43.5×26.5	169(193)×37×27	180(205)×47.5×32	230(255)×47.5×32	265(289)×63×35
Weight	120±10g	340±10g	540±10g	580±10g	1060±10g
Ta / Tc	45°C / 80°C	45°C / 85°C	45°C / 85°C	45°C / 85°C	45°C / 85°C

WIRING DIAGRAM

Triac dimming wiring



Note: When using TRIAC (phase-cut) dimming, do not connect the 0-10V control terminals/Wires. Only one dimming interface should be used at a time.

0-10V dimming wiring



- 220V - N - 0/1-10V(-)signal - 0/1-10V(+)signal

WARNING

1. Please check the product before installation; Do not install the product if it is found broken.
2. The product must be installed by a qualified electrical installer.
3. In order to avoid the damage of the product, keep the accessory to the place away from children.
4. Protect the lifespan of this product by installing drivers in well-ventilated area and free of excessive heat and gases.



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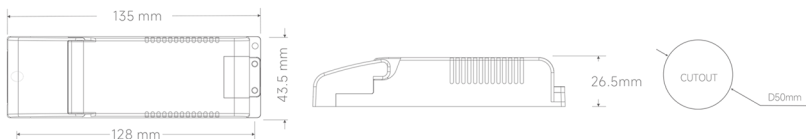


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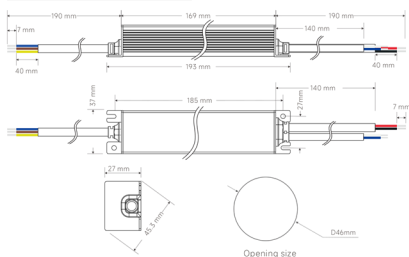
20W/60W/100W/150W/250W SERIES
DUAL TRIAC AND 1 - 10V DIMMING

Mechanical Specifications

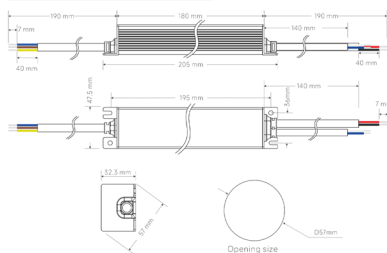
20W: 240-ADIM-20W



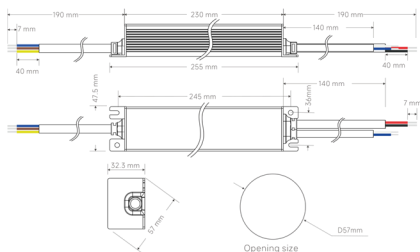
60W: 240-ADIM-60W



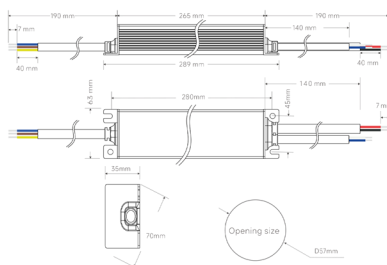
100W: 240-ADIM-100W



150W: 240-ADIM-150W-V2



250W: 240-ADIM-250W



Operation Guide

Indoor: Input (L) and (N) with wire to be connected with AC; output terminal to be connected LED + and LED -;

Outdoor: Input Brown and Blue is connected to AC L and N; Output Black (-) and Red (+) is connected to LED (-) and (+); Green wire is for ground lead.

Please use a dimmer with the power at least 2 times the output power of the driver;

if you use one dimmer to connect a few drivers, the power rating of the dimmer should be 2 times the total power of the drivers

These driver could be matched with leading and trailing edge dimmer both.

Instruction

This driver should be installed by qualified and professional person

please make sure the transformer is installed with adequate ventilation around it to allow for heat dissipation

ensure that wiring is correct test in order to avoid light and power supply damage

If driver doesn't work normally, don't maintain privately; Have any questions, please contact Ecopac