

RVL-150-12

150W **Super Slim** Power Supply

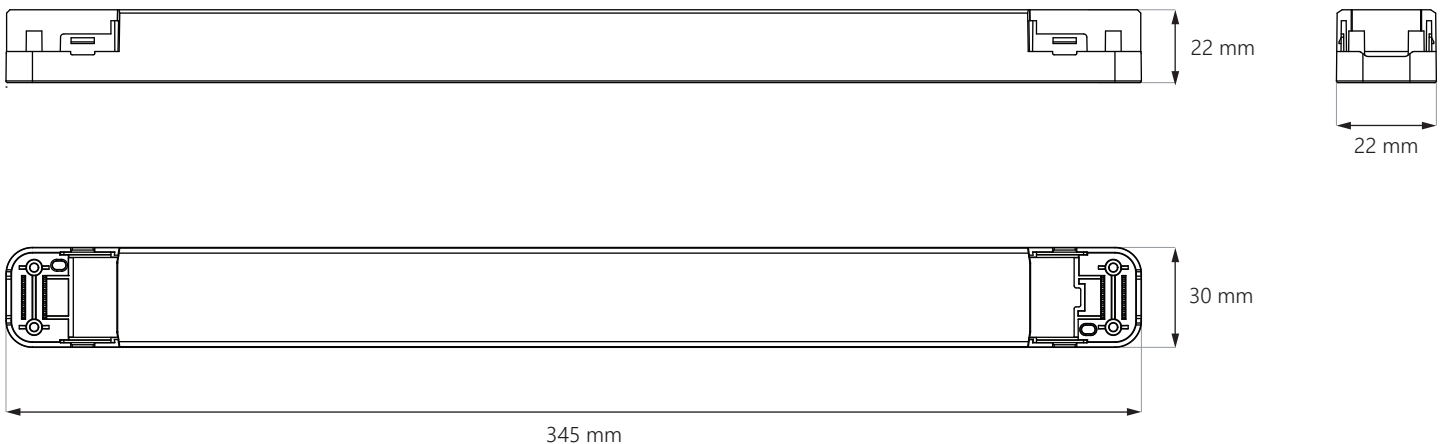


Extra slim housing profile makes the **Revelis power supply** easy to conceal within the frame of shallow light boxes, slim-line signage and integration into luminaires.

Revelis uses fan-less cooling to reduce noise and vibration and simplify the power supply structure. **RVL models** are equipped with the **screw terminals** for easy wire connection. The **mounting holes** are built-in for solid grip.

The protection circuit will shut down the power supply in case of **over current, short circuit and over voltage**.

Dimensions



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Technical specification

OUTPUT

Startup time	< 1 s 230V AC
Output voltage	12V DC
Output voltage wave	±5%
Current range	0 – 12.5 A
Rated power	150 W

INPUT

Input voltage	200 – 240V AC
Input frequency	50/60Hz
Input current	≤ 0.83 A
Efficiency	≥ 88%
No load power consumption	≤ 1.5 W
Power factor	≥ 0.9 230V AC, Full load
Inrush current	< 46 A
Leaked current	< 0.75 mA

ENVIRONMENT

Ta	-30 ÷ +50°C
Tc max	+90°C
Storage temperature	-35 ÷ +65°C
Working humidity	10%-95%, RH non-condensing
Lifetime	~30 000 h

PROTECTION

Over current	Shut down the output when current load ≥ 110% and recover automatically
Short circuit	Hiccup Mode and recover automatically
Over voltage	Shut down the output when non-load voltage ≥ 13V and recover automatically
Surge capacity	L-N: 4000V, L-GND, N-GND: 4000V
Withstand voltage	Input-Output: 3750V / 5 mA / 1 min

SAFETY STANDARDS

LVD 2014/35/EU	EN 61347-1:2015-09/A1:2021-06, EN 61347-2-13:2015-04/A1:2017-07, EN 62493:2015-11/A1:2023-03
EMC (2014/30/EU)	EN IEC 55015:2019-11/A1:2020-07, EN IEC 61000-3-2:2019-04/A1:2021-08, EN 61000-3-3:2013-10/A1:2019-10, EN IEC 61547:2023
RoHS 3 (2015/863)	EN IEC 63000:2019-01

PACKING

Quantity per box	48 pcs
Gross weight (box)	15.5 kg 34.17 lbs
Box dimensions (L x W x H)	38 x 27 x 16.5 cm 14.57 x 10.63 x 6.5 in

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OTHER

Housing material	Plastic
Housing colour	White
Insulation type	Class 2
IP grade	IP20
Input cables dimension	2x2 mm ² (maximum wire dimension)
Output cables dimension	2x2 mm ² (maximum wire dimension)
Output cables length	max. 2 m
Dimensions (L x W x H)	345 x 30.1 x 22 mm 13.58 x 1.19 x 0.87 in
Weight	0.3 kg 0.66 lbs
Warranty	5 years

FUSE COMPABILITY DATA

B16	4 pcs
C16	12 pcs

NOTE

1. All parameters not specially mentioned are measured at nominal voltage input, rated load and 25°C ambient temperature.
2. Output voltage wave is measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. The power supply is considered as a component that will be operated in combination with final equipment.
Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.
5. The power supply is not suitable to use under direct sunlight exposure.

Safety instructions



- There are no user serviceable parts inside.
- Unauthorized access to power supply internal parts will void the warranty.
- To guarantee sufficient convection cooling, keep a distance of 50 mm above and lateral distance to nearby objects.
- Do not overload the power supply.
- Note that the power supply housing can become very hot.
- Connect the LED device to the power supply with the correct polarity.
- Derating guideline: please bear in mind, that all power supplies have a de-rating curve based on ambient temperature or low input voltage. We strongly suggest to keep at least 20% of margin when designing the load.