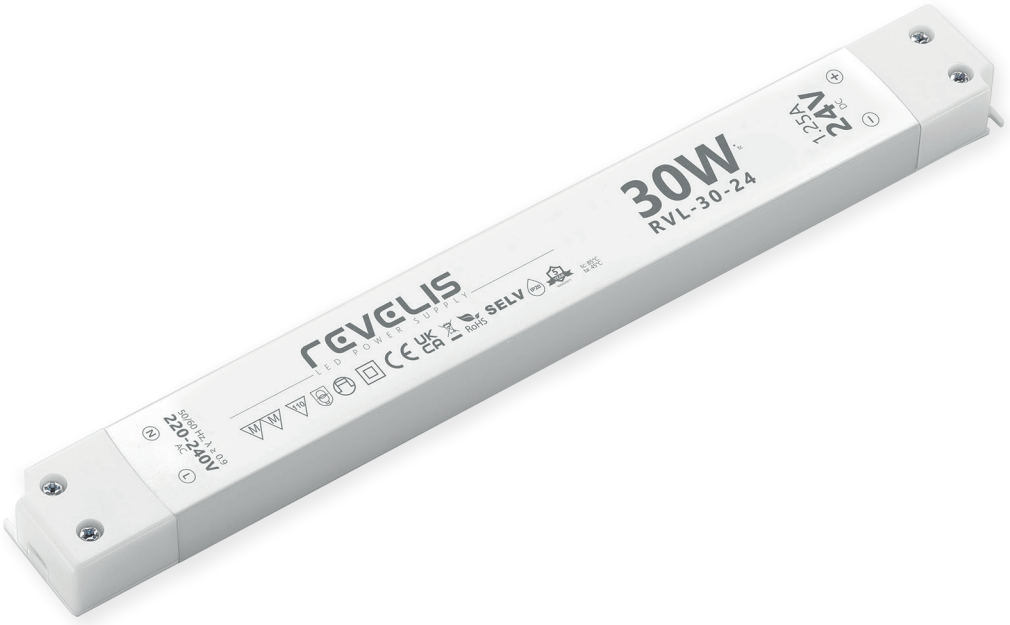
RVL-30-24

30W **Super Slim** Power Supply

5 YEAR warranty

IP20

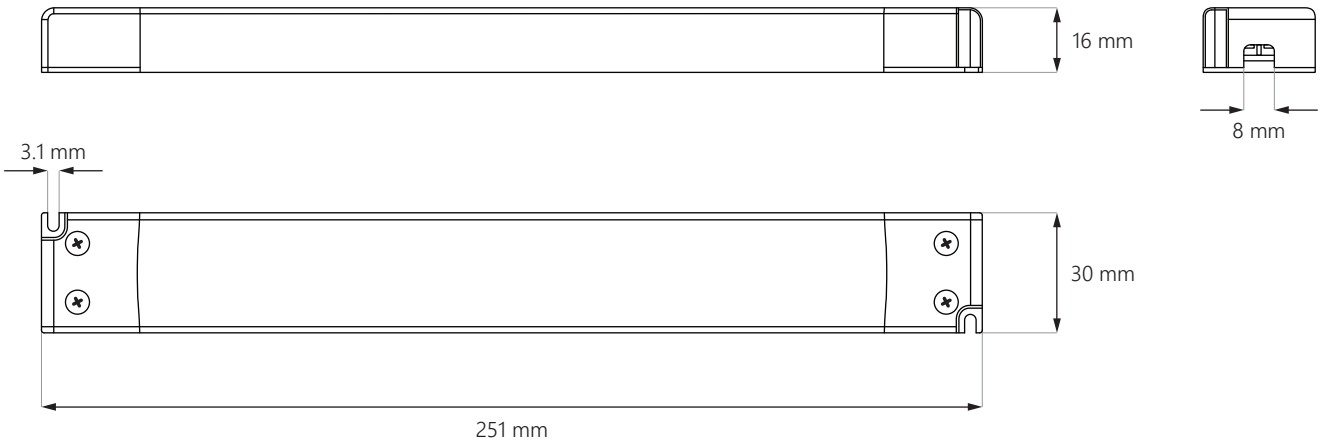


Extra slim housing profile makes the **Revelis power supply** easy to conceal within the frame of shallow light boxes, slim-line signage and integration into luminaires.

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 **short circuit, over load, over voltage and over temperature.**

Dimensions



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Technical specification

OUTPUT	
Startup time	< 500 ms | 230V AC
Output voltage	24V DC
Output voltage wave	±5%
Current range	0 – 1.25 A
Rated power	30 W
INPUT	
Input voltage	220 – 240V AC
Input frequency	50/60Hz
Input current	≤ 0.5 A
Efficiency	≥ 85%
No load power consumption	≤ 0.5 W
Power factor	≥ 0.95 | 230V AC, Full load
Inrush current	< 30 A
Leaked current	< 0.75 mA
ENVIRONMENT	
Ta	-20 ÷ +45°C
Tc max	+85°C
Storage temperature	-40 ÷ +85°C
Working humidity	10%-95%, RH non-condensing
Lifetime	~50 000 h
PROTECTION	
Short circuit	Hiccup Mode and recover automatically
Over load	Hiccup Mode and recover automatically
Over voltage	Hiccup Mode and recover automatically
Over temperature	Hiccup Mode and recover automatically
Surge capacity	L-N: 1000V
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/A11:2020-07, 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	100 pcs
Gross weight (box)	13.5 kg | 29.76 lbs
Box dimensions (L x W x H)	34 x 26.5 x 21.5 cm | 13.39 x 10.43 x 8.46 in

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OTHER	
Housing material	**Plastic**
Housing colour	**White**
Insulation type	**Class 2**
IP grade	**IP20**
AC input terminal size	**H03VVH2-F 2×0.75 mm²**
DC output terminal size	**H05VVH2-F 2×1 mm²**
Dimensions (L x W x H)	**251 x 30 x 16 mm | 9.88 x 1.18 x 0.63 in**
Weight	**0.115 kg | 0.254 lbs**
Warranty	**5 years**
FUSE COMPABILITY DATA	
B16	**35 pcs**
C16	**44 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

READ BEFORE USE

- 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.