RVL-200-24

200W **Super Slim** Power Supply

5 YEAR warranty

IP20

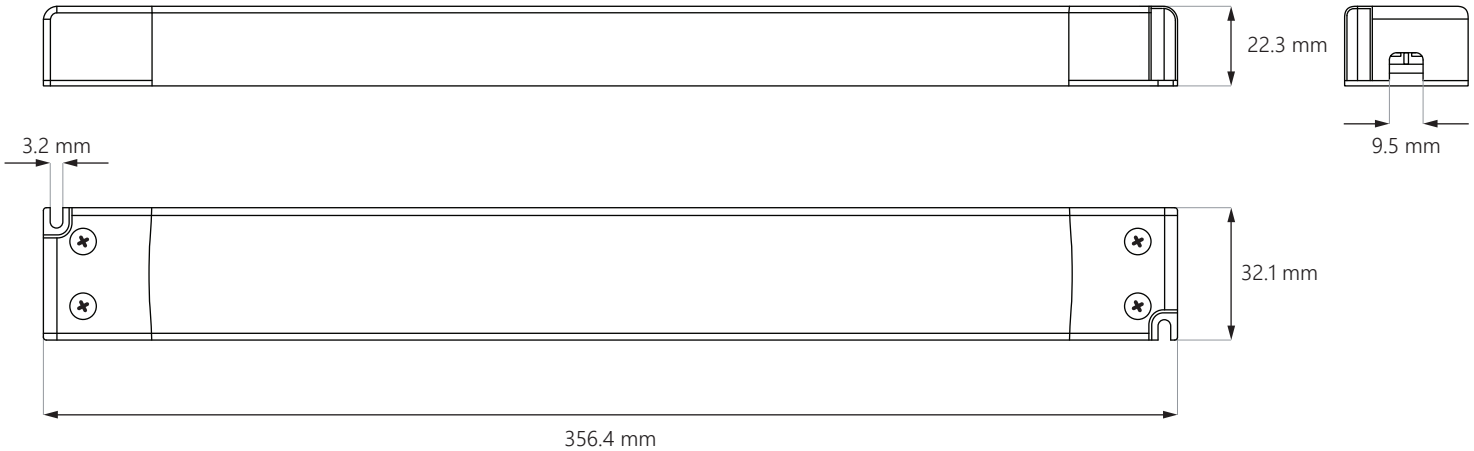
M M 110 SELV CE

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

Dimensions



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Technical specification

OUTPUT	
Turn on time	< 0.5 s
Output voltage	24 V
Output voltage tolerance	±5%
Current range	0-8.33 A
Output voltage wave	300 mV (Vp-p)
Rated power	200 W
INPUT	
Input voltage	200-240V AC
Input frequency	50Hz/60Hz
Input current	< 1.5 A
Input power	< 220 W
Efficiency	≥ 93%
No load power consumption	< 0.21 W (average)
Inrush current	< 75 A (peak)
Power factor	≥ 0.95
ENVIRONMENT	
Working temperature	-20 ÷ +45°C
Working humidity	45%-85%, RH non-condensing
Max. case temp.	+85°C
Lifetime	~30 000 hr
EMC STANDARDS & PROTECTON	
Safety standards	EN61347-1, EN61347-2-13
Harmonic current	EN61000-3-3:2013, EN61000-3-2:2014
EMI	EN55032:2015
EMS	EN55024:2011/A1:2015
Protection	open circuit / short circuit / over load / over temperature / auto recovery
OTHER	
Casing material	Plastic
Insulation type	Class 2
IP grade	IP20
Input terminal size	2x2 mm^2 (maximum wire dimension)
Output terminal size	2x2 mm^2 (maximum wire dimension)
Output cables lenght	max. 2 m
Dimensions (L x W x H)	356.4 x 32.1 x 22.3 mm
Weight	0.36 kg
Warranty	5 years

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.*

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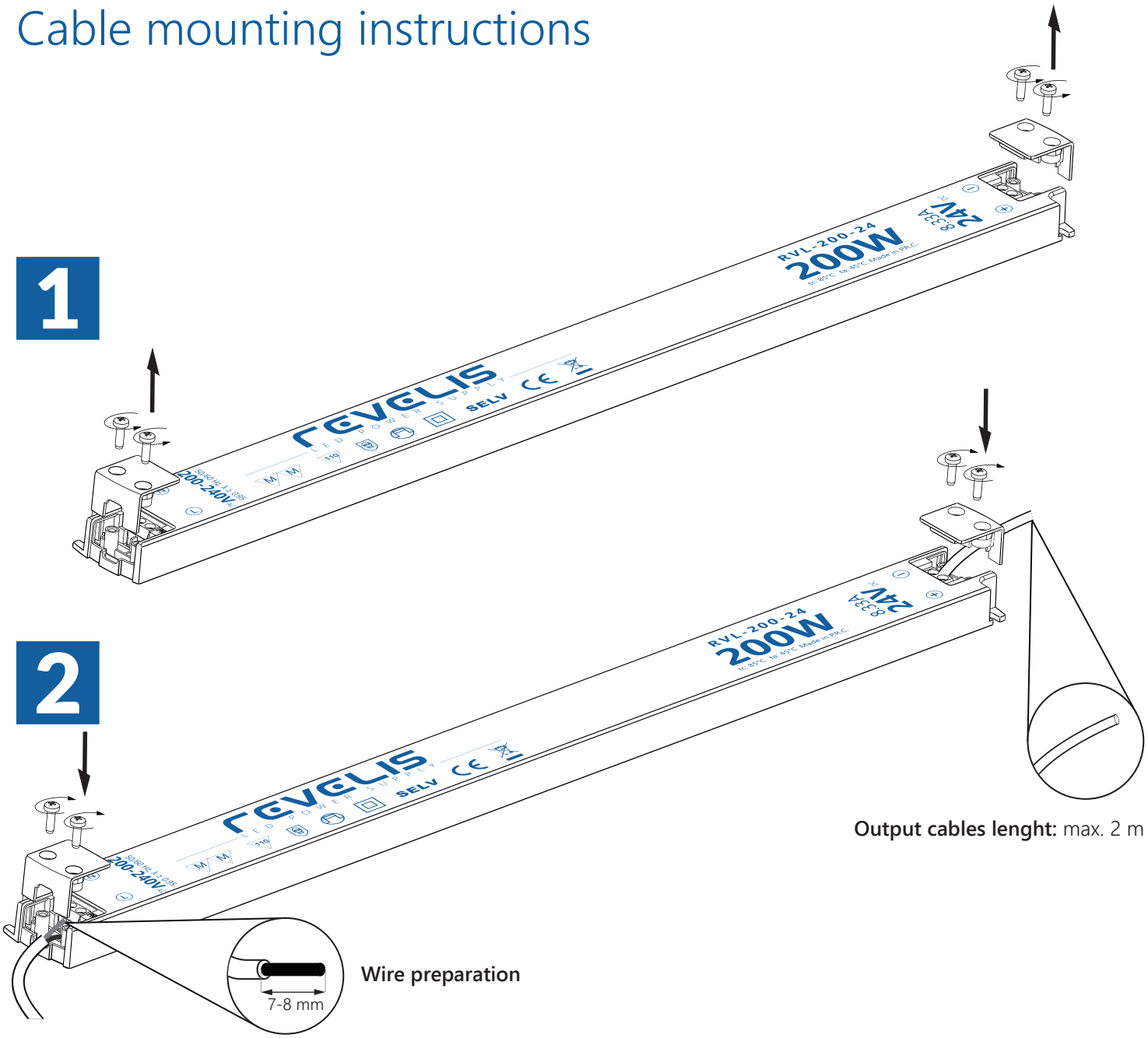
Safety instructions

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.

Cable mounting instructions



Output cables lenght: max. 2 m

Wire preparation