RANGE 03 · POWER SUPPLIES · 12V POWER SUPPLIES

LED power supply 12V, 100W, Metal

Code **D12V100M**

12 V	100 W	IP20	2 years	130 × 97 × 30
Voltage	Power	Ingress	Warranty	L × W × H, mm

LED power supply 12V, 100W, 8,4A

In steel frame

CE

TECHNICAL DATA

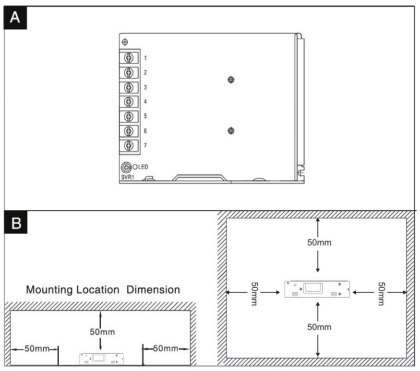
ELECTRICAL

Input voltage	AC 100–240 V, 50/60 Hz
Load range	0–102 W
Rated output current	8.5 A
Input current	2.1 A
Power factor	≥ 0.45
Output connection	Cable H03VVH2-F 2×0.75 mm²

ENVIRONMENT AND COMPLIANCE

Max ambient temperature (Ta)	45 °C
Max case temperature (Tc)	80 °C
Protections	Short circuit, overload, overheat and open circuit; automatic reset
Compliance standards	EMC 2014/30/EU, LVD 2014/35/EU

DRAWINGS



APPLICATIONS

- An electronic protection circuit switches the power supply off on a short circuit or overload in the secondary circuit, on overheating and on an open circuit. Once the fault is removed, the power supply resets automatically and resumes operation.
- The unit conforms to the directive 2014/30/EU on electromagnetic compatibility and the low voltage directive 2014/35/EU.

IMPORTANT INFORMATION FOR THE INSTALLATION

- Read and understand all instructions before installation. For best results have the unit installed by a qualified technician.
- Connect the light to the power supply first, then the power supply to the mains. Connecting in the wrong order may cause damage and voids the manufacturer's warranty.
- There are no user-serviceable parts inside. Removing the cords or covers may damage the product and voids the warranty.
- Do not overload the power supply.
- Keep the output cable to the LED lamps within 2 m to meet the EMC standard.
- If the power supply is used for purposes other than intended or connected the wrong way, no liability can be taken for possible damage.

MOUNTING INSTRUCTION

- Connect the LED lamps to the power supply with the correct polarity.
- Primary cable: H03VVH2-F 2×0.75 mm².
- Secondary cable: H03VVH2-F 2×0.75 mm².
- Fix the unit with the supplied brackets (tightening torque 4 ± 0.5 kgf·cm) and keep 50 mm of free space around it, as drawn.

MANUFACTURER'S DOCUMENTS

Datasheet (PDF)

Product page: https://dio.lighting/products/led-power-supply-12v-100w-metal-18

Values as published by dio. Where a manufacturer's datasheet is attached it is the reference; specifications may change without notice. Availability, pricing and lead times on request.