

vossloh power supply

Ref: 38.010

Features:

- Protection against transient main peaks
- Electrical short-circuit protection
- Overload protection: reversible
- Protection against "no load" operation
- Degree of protection: IP20
- Protection class II
- SELV



	Power	180W	
Electrical characteristics	Voltage 50-60 Hz (V)	220V - 240V	
	Main current mA	900mA - 800mA	
	Inrush current A / µs	60A / 260A	
	Current output DC mA (±5%)	0mA - 7500mA	
	Voltage output DC (V)	24V	
	THD %	<10%	
	Efficiency at full load % (230V)	>94%	
	Ripple 100 Hz	≤3%	
Maximum ratings	Ambient temperature range °C min.	-20 °C	
	Ambient temperature range °C max.	+50 °C	
	Operation humidity range % min.	20%	
	Operation humidity range % max.	60%	
	Storage temperature range °C min.	-40 °C	
	Ambient temperature range °C max.	+85 °C	
	Storage humidity range % min.	5%	
	Storage humidity range % max.	95%	
	Max. operation temperature at t _c point °C	+95 ℃	
	Degree of protection	IP20	
Expected service life time	Operation current Max.	85°C - 95°C	* (recomended)
	Operation current hrs.	60,000h - 30,000h	
Dimming	Dimmable	no	
	Dimming interface DALI	no	
	DALI power supply integrated	no	
	DALI power supply switchable	no	
	Push	no	
	Phase cut trailing edge	no	
	Control phase	no	
	Bluetooth	no	
	Dimming interface 1-10V	no	
	Dimming interface others	no	
Other	Dimension	345x50x35mm	
	Casing shape	K61	
	Weight	665g	
	Guarantee	5 years	





































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Measurements:

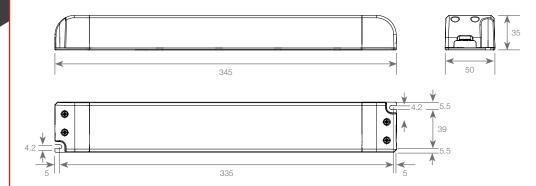
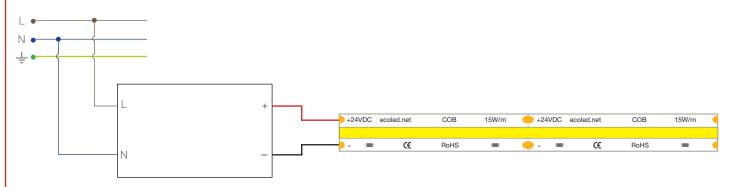
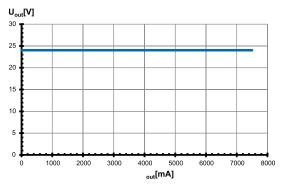


Diagram:

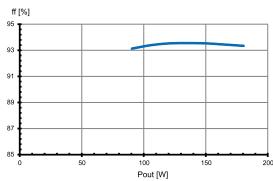


Type performance graphs / Type EDXe

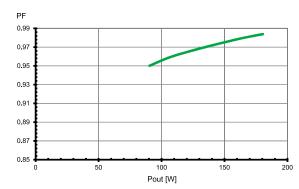
Working area



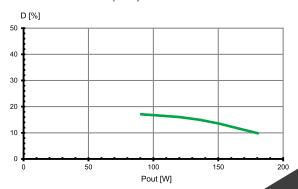
Efficiency



Power factor



Total harmonic factor (THD)





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Assembly and Safety Information

Applied standards:

Mandatory regulations:

- EN 61347-1
- FN 61347-2-13
- EN 61547
- EN 61000-3-2
- EN 62384
- EN 55015

• DIN VDE 0100 • EN 60598-1

Safety functions

- Transient main peaks protection: values are in compliance with EN 61547 (interference immunity). Surges between L/N: up to 1 kV. Surges between L/N-PE: up to 2 kV.
- Short-circuit protection: the control gear is protected against permanent short-circuit with automatic restart function.
- Overload protection: the control gear only works in range of rated output power and voltage problemfree. Please check that the selected led load is suitable (see Electrical Characteristics on data sheet).
- No load operation: the control gear is protected against no load operation (open load).
- If any of the above mentioned safety functions will be triggered, disconnect the control gear from the power supply then find and eliminate the cause of the

Mechanical mounting:

- Mounting position: drivers are suitable for independent operation.
- Mounting location:
 - Independent led drivers do not need to be integrated into a casing.
 - Installation in outdoor luminaires: degree of protection for luminaire with water protection rate ≥ 4 (e.g. IP54 required).
- <u>Degree of protection:</u> IP20
- Clearance: min. 0.10m from walls, celings and insulation.
- Surface: solid and plane surface for optimum heat dissipation required.
- Heat transfer:
 - If the led drivers is destined for installation in a luminaire. Sufficient heat transfer must be ensured between the led driver and the luminaire casing.
 - Led drivers should be mounted with the greatest possible clearance to heat soucres. During operation, the temperature measure at the led driver's to point must not exceed the specified maximum value.
- Fastening: using M4 screws in the designated holes.
- Tightening torque: 0.2 Nm.

Electrical installation:

- Connection terminals: screw terminals for rigid or flexible conductors with a section of 0.75–1.5mm² (primary) or 0.5–1.5mm² (secondary).
- Stripped length: 8.5-10mm.
- Wiring: the main conductor within the luminaire must be kept short (to reduce the induction of interference). Main and lamp conductors must be kept separate and if possible should not be laid in parallel to one another.
- Polarity: please ensure the correct polarity of the leads prior to commissioning. Reversed polarity can destroy the modules.
- Through-wiring: is not allowed.
- Secondary load: the sum of forward voltages of led loads is within the tolerances which are mentioned in the Electrical Characteristics on the data sheet.

Product labels:

