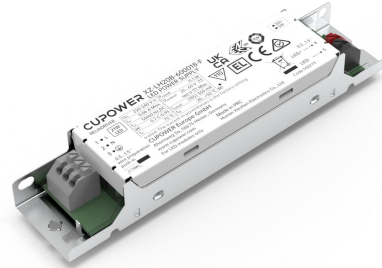


Product features

- Built-in non isolated adjustable power LED driver
- Flicker free LED driver
- Output current 185...350 mA
- Max. output power 21 W
- For illuminates of protection class I
- DC emergency
- 5-year warranty



Product specifications

168279 XZ-LH20B-600018-F

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	Dimension L x W x H (mm)
185 mA	220...240 Vac 220...240 Vdc	25...60 Vdc	86%	± 5%	0.7 C...0.95 (@ 230 Vac 50 Hz)	137.0 × 30.0 × 21.0

Electrical specifications

Mains voltage supply

Rated input voltage range	220...240 Vac; performance range
Max. input voltage range	198...264 Vac; operational safety range
Rated frequency range	0/50/60 Hz
Max. input current	0.06 A @ 230 Vac & 0.06 A @ 230 Vdc

Battery operation

DC voltage range	220...240 Vdc; performance range
Max. DC voltage range	176...280 Vdc; operational safety range

Protection against voltage peaks

Withstand voltage	I/p-GND: 1.5 kVac, < 5 mA 60 sec; O/p-GND: 1.5 kVac, < 5 mA 60sec;
Mains surge immunity	L-N 1 kV, L-GND: 2 kV, N-GND: 2 kV

Total harmonic distortion (THD)

At rated input voltage range @ full load	20%
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Output data

Output current tolerance	± 5% at rated input voltage range
No load output voltage	90 Vdc
Ripple output current	5% (ripple = peak/average total 100 Hz)
Output PstLM	≤ 1 at full load @ rated input voltage
Output SVM	≤ 0.4 at full load @ rated input voltage

Protection functions output side

Short circuit protection	Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed.
Over voltage protection	Hiccup mode. Protection device will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.

Dimming operation and interface

Standby power consumption	N/A
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Connection terminals

Connection terminal type	45° push in terminal
Wire cross section	Input wire: 0.5...1.5 mm ² ; output wire: 0.2...1.5 mm ²
Wire stripping length	8...9 mm

Degree of protection

Protection rating	IP20
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Operating data

Output voltage range	25...60 Vdc
Noise level	< 20 dB, at full load @ 100 cm distance

Circuit breaker / Inrush current

MCB loading quantity	Inrush current I _{peak} : 9.4 A			Inrush current T _{width} : 192 µs	
	MCB type	B10	C10	B16	C16
	Units	42	70	67	112

Supplementary instructions

- The luminaire manufacturer is responsible for measuring and verifying the EMI compliance of the complete luminaire, as the level of radio interference will vary depending on the luminaire construction. Especially primary and secondary cable lengths and their routing may have a significant effect on radio interference.

Environmental specifications

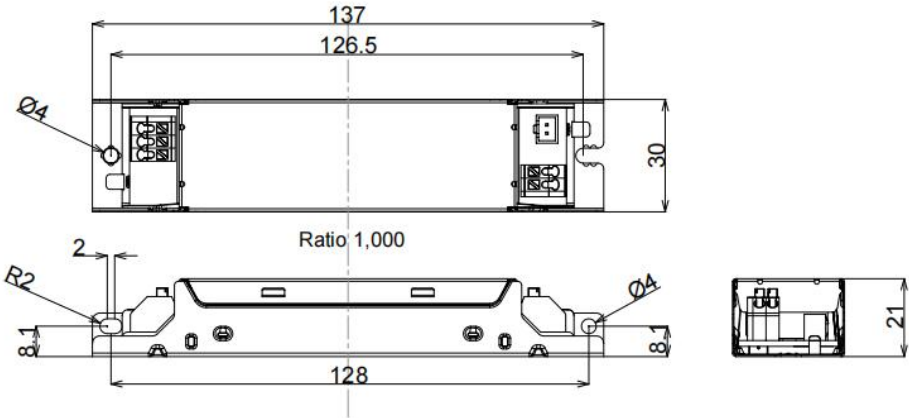
Operating temperature	-20...+50°C
Storage temperature	-40...+80°C
Working humidity	10%...90%
Store humidity	5%...90%
Lifetime	at Tc ≤ 60°C: 100000 hrs; at Tc ≤ 70°C: 50000 hrs; at Tc ≤ 75°C: 35000 hrs
Maximum Tc temperature	75°C

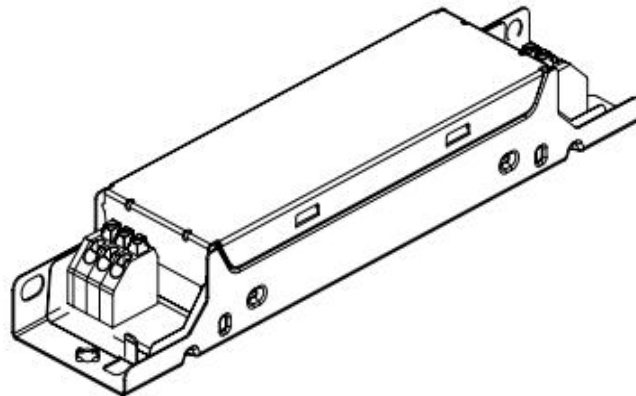
Safety & EMC compliance

ENEC+CE	CCC	SAA
EN 61347-1:2015/A1	/	AS 61347.2.13
EN 61347-2-13:2014/A1	/	AS/NZS 61347.1: 2016+A1
EN 62384	/	
EN 61347-1:2015/A1	/	
EN 61347-2-13:2014/A1	/	

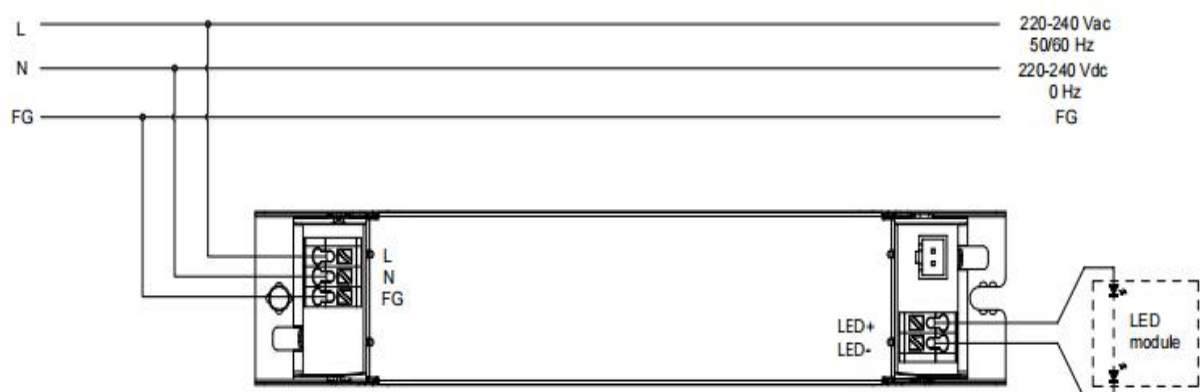
Dimensions

Housing dimensions		Packaging details	
Length (L)	137 mm	Packing units	60 pcs
Width (W)	30 mm	Carton size	317 × 147 × 160 mm
Height (H)	21 mm	Carton weight	4.93 kg
For all dimensions: values in mm; tolerances: ± 0.3 mm		Product Weight	0.0786 kg





Wiring diagram



- All connections must be as short as possible to ensure good EMI performance.
- The luminaire wire should keep a certain distance from the LED power supply and other wires (5...10 cm is preferred).
- No secondary switches are allowed.
- Incorrect wiring can damage the LED.
- The wire must be well protected against short circuits.

Technical information

