

Product features

- Independent isolated adjustable power color temperature LED driver
- Flicker-free LED driver
- DIP control adjusts the current
- Output current 100...180 mA by DIP switch adjust
- Max. output power 7.2 W
- For luminaires with protection class II
- 5 years warranty



Product specifications

164479 XZ-YL09D-400018-D

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	Dimension LxWxH (mm)
100 mA	220...240 Vac	30...40 Vdc	79%	± 15 mA	0.5	126x38x25
120 mA			82%			
155 mA			83%			
180 mA			85%			

Electrical specifications

Mains voltage supply

Rated input voltage range	220...240 Vac
Max. input voltage range	198...264 Vac
Rated frequency range	50/60 Hz
Max. input current	0.13 A @ 230 Vac

Protection against voltage peaks

Withstand voltage	I/p-O/p: 3.75 kVac, < 5 mA 60 sec
Mains surge immunity	L-N 1 kV

Output data

Output current tolerance	100-180 mA ± 15 mA at rated input voltage range
No load output voltage	50 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	Yes
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Connection terminals

Connection terminal type	45° Push in terminal
Wire cross section	Input wire: 0.75...1.5 mm ² ; Output wire: 0.5...1.5 mm ²
Wire stripping length	8...9 mm

Degree of protection

Protection rating	IP20
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Operating data

Set output current	DIP switch adjusts the current: 200-400 mA
Default current	100 mA
Output voltage range	30...40 Vdc
Noise level	< 20 dB, at full load @ 100 cm distance

Circuit breaker / Inrush current

	Inrush current I _{peak} : 12.68 A		Inrush current Twidth: 34.4 μs		
MCB loading quantity	MCB type	B10	C10	B16	C16
	Units	163	216	261	346

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.

Protection

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

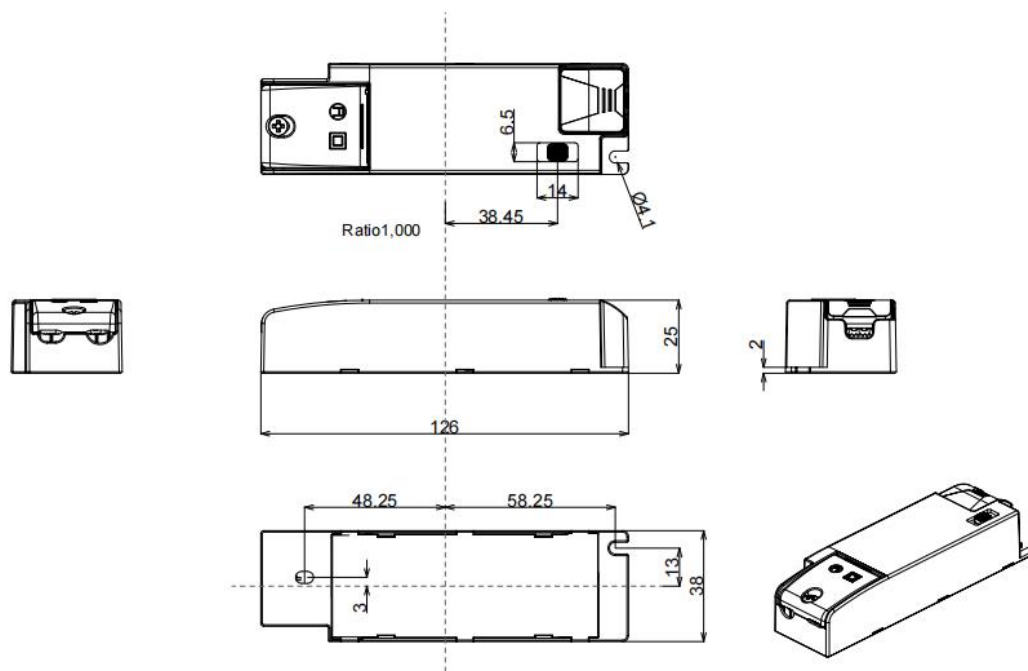
Dimensions

Housing dimensions

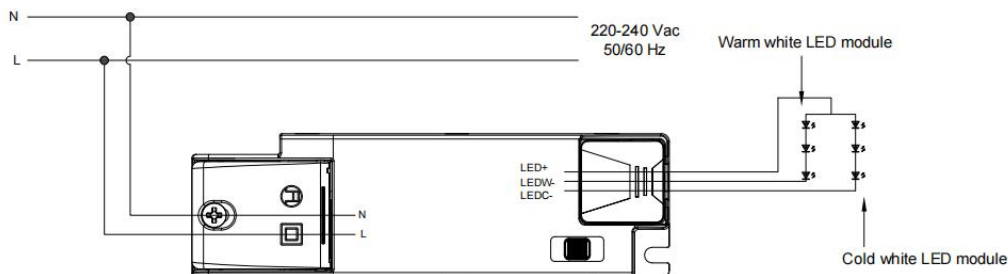
Length (L)	126 mm
Width (W)	38 mm
Height (H)	25 mm
Weight	0.059 kg

Packaging details

Packing units	100 pcs
Carton size	390 x 262 x 158 mm
Weight	6.58 kg

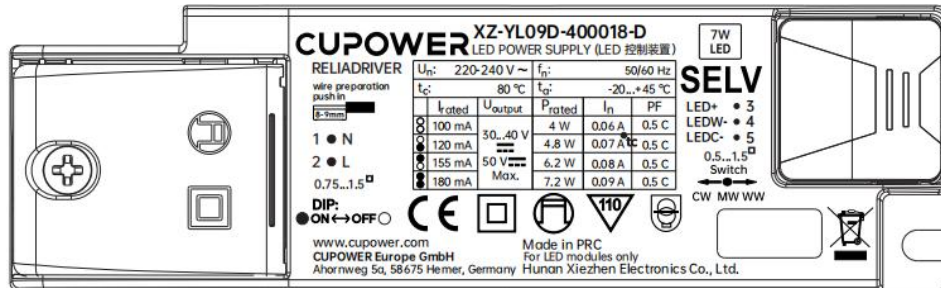


Wiring diagram



- 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 circuit.

Adjustable output current with dip-switch



lout	1	2
100 mA	OFF	OFF
120 mA	ON	OFF
155 mA	OFF	ON
180 mA	ON	ON

Technical information

