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Product features

- Adjustable power LED driver
- Flicker-free LED driver
- DIP control adjusts the current
- Output current 500...750 mA by DIP Switch adjust
- Max. output power 30 W
- For luminaires with protection class II
- 5 years warranty



Product specifications

163717 XZ-QR30B-400075-B18

Output current	Input voltage	Output voltage	Efficiency @full load	Current accuracy	Power factor @full load	Dimension LxWxH (mm)
750mA		87%				
700mA	220 240 V/s s	05 40144	87%	± 5%	≥ 0.95	122x40.5x26
550mA	220240 Vac	2540Vdc	86%			
500mA			86%			

Electrical specifications

Mains voltage supply

Rated input voltage range	220240 Vac
Max. input voltage range	198264 Vac
Rated frequency range	50/60 Hz
Max. input current	0.21 A @ 230 Vac

Protection against voltage peaks

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

Total harmonic distortion (THD)

X Y	
At rated input voltage range @ full load	≤ 15%

Output data

Output current tolerance	± 5% at rated input voltage range		
No load output voltage	55Vdc		
Ripple output current	5% (ripple = peak/average total 100 Hz)		

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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

Connection terminals

Connection terminal type	45° Push in terminal		
Wire cross section	Input wire: 0.751.5 mm ² ; Output wire: 0.51.5 mm ² ;		
Wire stripping length	78 mm		

Degree of protection

Protection rating IP20

Operating data

Set output current	DIP Switch adjusts the current: 500-750 mA		
Default current	500 mA		
Output voltage range	2540 Vdc		
Noise leve	< 20 dB, at full load @ 100 cm distance		

Circuit breaker / Inrush current

	Inrush current Ipeak: 19.0 A			Inrush current Twidth: 166.0 µs		
MCB loading quantity	MCB type	B10	C10		B16	C16
	Units	20	34		33	55

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.
- For the push DIM function, please follow our instructions, which can be downloaded from www.cupower.com.

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.

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Environmental specifications

Operating temperature	-20+45°C
Storage temperature	-25+85°C
Working humidity	10%90%
Store humidity	5%90%
Lifetime	at Tc 80°C: 30,000 hrs; at Tc 70°C: 50,000 hrs; @ 230 Vac
Maximum Tc temperature	80°C

Safety & EMC compliance

ENEC+CE
EN 61347-1:2015/A1:2021
EN 61347-2-13:2014/A1:2017
EN IEC 62384:2020
EN 61347-1:2015/A1:2021
EN 61347-2-13:2014/A1:2017
EN 62493:2015

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CCC
GB 17625.1-2012
GB/T 17743-2021
GB 19510.1-2009
GB 19510.14-2009

SAA		
AS/NZS 61347.2.13.2018		
AS/NZS 61347.1:2016+A1:2018		

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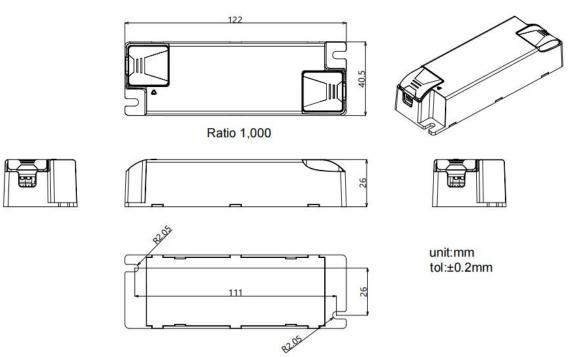
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Dimensions

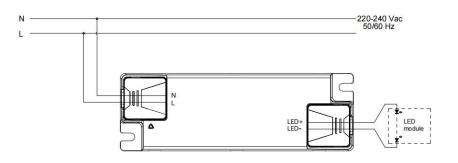
Housing dimensions

Length (L)	122 mm
Width (W)	40.5 mm
Height (H)	26 mm
Weight	0.099 kg

Packaging details			
Packing units	90 pcs		
Carton size	377 x 252 x 163 mm		
Weight	9.1kg		



Wiring diagram



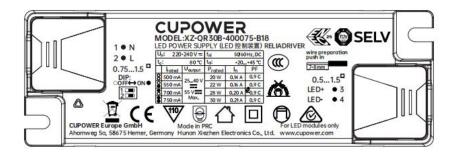
- All connections must be as short as possible to ensure good EMI performance.
- The luminaire wire should keep a certain distance from the LED power supply and other wires (5 10 cm is preferred).
- No secondary switches are allowed.
- Incorrect wiring can damage the LED.
- The wire must be well protected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

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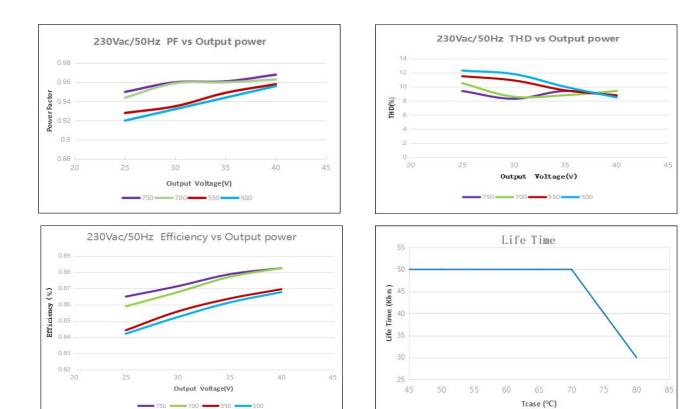
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Adjustable Output Current with dip-switch



lout	1	2
500mA	OFF	OFF
550mA	ON	OFF
700mA	OFF	ON
750mA	ON	ON

Technical information



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version: 20240227-1.0

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