XZ-QB24D-400050-E

Art. 161898

Product features

- Fixed Output independent LED driver
- Flicker-free LED driver
- Output current 500 mA
- Max. output power 20 W
- For luminaires with protection class II
- 5 years warranty

Product specifications

161898 XZ-QB24D-400050-E

Output current	Input voltage	Output voltage	Efficiency @full load	Current accuracy	Power factor @full load	Dimension LxWxH (mm)
500 mA	220…240 Vac	30…40Vdc	86%	±5%	≥ 0.9	93X36X24.5

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	0.25 A @ 230 Vac

Protection against voltage peaks	
Withstand voltage	I/p-FG: 3.75 kVac, < 5 mA 60 sec
Mains surge immunity	L-N 0.5 kV

Total harmonic distortion (THD)	
At rated input voltage range @ full load	/

Output data	
Output current tolerance	±5% at rated input voltage range
No load output voltage	59Vdc
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	7…8 mm

Degree of protection

Protection rating	IP20

Operating data

Output voltage range	30…40 Vdc
Noise leve	< 20dB, at full load @ 100cm distance

Circuit breaker / Inrush current

MCB loading quantity	Inrush current Ipeak: 12.9 A			Inrush current Twidth: 118.0 μs	
	MCB type	B10	C10	B16	C16
	Units	43	73	70	116

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

CCC
GB 17625.1-2022
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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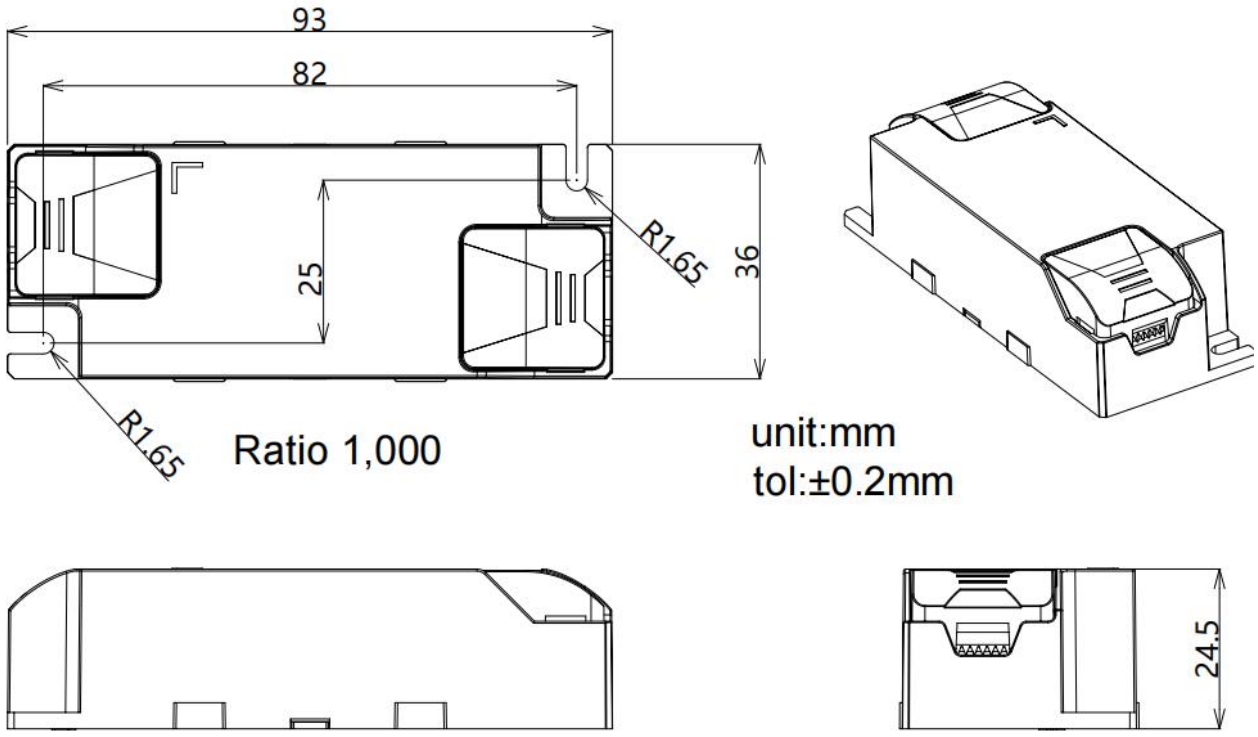
Dimensions

Housing dimensions	
Length (L)	93 mm
Width (W)	36 mm
Height (H)	24.5 mm
Weight	0.052 kg

Packaging details	
Packing units	80 pcs
Carton size	385 x 190 x 130 mm
Weight	4.56 kg



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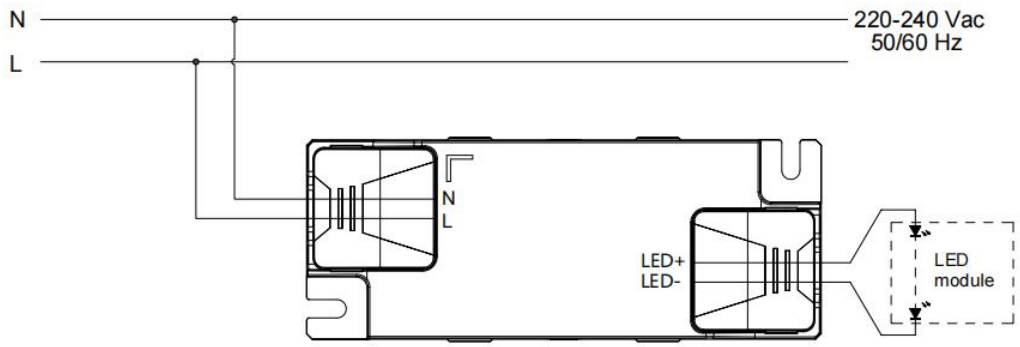
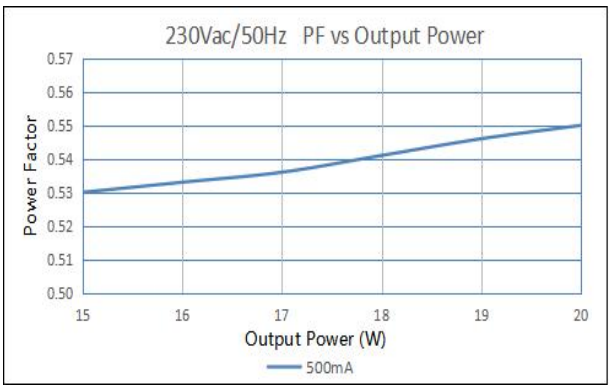
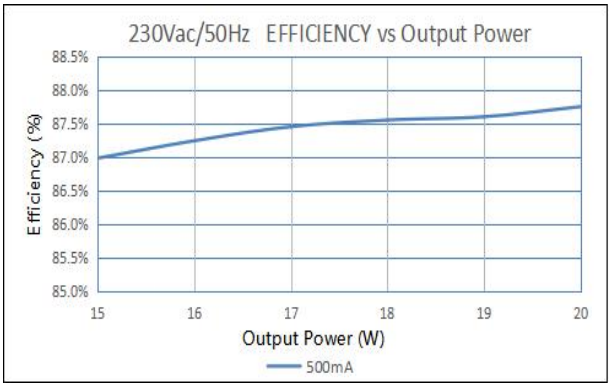
Wiring diagram

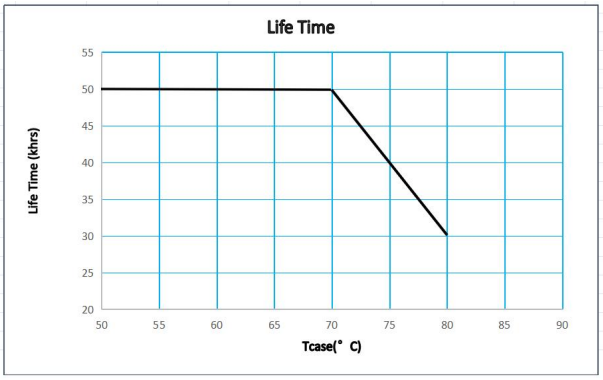


- All connections must be as short as possible to ensure good EMI performance.
- The luminaire wire should keep a certain distance from the LED power supply and other wires (5 - 10 cm is preferred).
- No secondary switches are allowed.
- Incorrect wiring can damage the LED.
- The wire must be well protected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

Technical information







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