XZ-CH35B-420080-D Art. 160334

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#### **Product features**

- 1-10V dimming independent LED driver
- Flicker-free LED driver
- DIP control adjusts the current
- Output current 650...800 mA by DIP Switch adjust
- Max. output power 33.6 W
- For luminaires with protection class II
- 5 years warranty



#### **Product specifications**

#### 160334 XZ-CH35B-420080-D

Output current	Input voltage	Output voltage	Efficiency @full load	Current accuracy	Power factor @full load	Dimension LxWxH (mm)
800mA		3042Vdc	85%	± 5%		180x40x30
750mA	000 040 \/		84%	± 5%		
700mA	220240 Vac		84%	± 5%	- ≥ 0.9 -	
650mA			84%	± 5%		

#### **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	0.23 A @ 230 Vac

#### Protection against voltage peaks

Withstand voltage	l/P-O/P: 3.75 KVac, < 5 mA 60 S; l/P-DIM: 3.75 KVac, < 5 mA 60 S; O/P-DIM: 1.6 KVac, < 5 mA 60 S			
Mains surge immunity	L-N 1 kV			

#### Total harmonic distortion (THD)

At rated input voltage range @ full load	≤ 20%

#### 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)	

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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: 0.75-1.5 mm <sup>2</sup> ; Output wire: 0.5-1.5 mm <sup>2</sup> ; Dimmer wire: 0.5-1.5 mm <sup>2</sup>			
Wire stripping length	78 mm			

#### **Degree of protection**

Protection rating	IP20
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#### **Operating data**

Set output current	DIP Switch adjusts the current: 650-800 mA		
Default current	650 mA		
Output voltage range	3042 Vdc		
Noise leve	< 20dB, at full load @ 100cm distance		

#### Circuit breaker / Inrush current

	Inrush current Ipeak: 10.9 A			Inrush current Twidth: 136.0 µs		
MCB loading quantity	MCB type	B10	C10		B16	C16
	Units	41	47		66	75

#### 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 85°C: 30,000 hrs; at Tc 75°C: 50,000 hrs; @ 230 Vac
Maximum Tc temperature	85°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

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

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### **CUPOWER** XZ-CH35B-420080-D

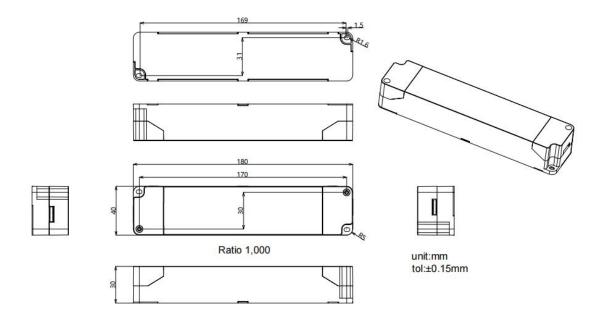
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#### Dimensions

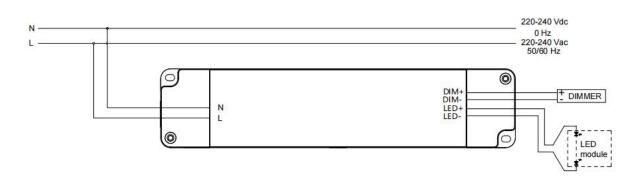
#### Housing dimensions

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Length (L)	180 mm
Width (W)	40 mm
Height (H)	30 mm
Weight	0.147 kg

Packaging details		
Packing units	45 pcs	
Carton size	378 x 194 x 186 mm	
Weight	7.1 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.

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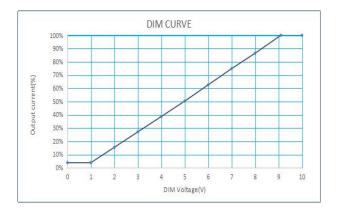
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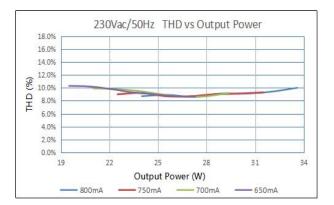
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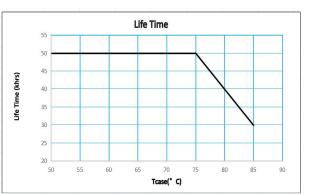
#### **Technical information**











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