

### Product features

- Constant voltage LED driver
- Flicker-free LED driver
- Output current 0...2.1 A
- Max. output power 100 W
- For luminaires with protection class I
- 5 years warranty



### Product specifications

160884 XZ-CV100B-MT48V

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	Dimension LxWxH (mm)
0...2.1 A	220...240 Vac	48 Vdc	91.5%	± 1.5 V	0.9	294.4x23x43

### 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	0.6 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, L-FG 2 kV, N-FG 2 kV

#### Total harmonic distortion (THD)

At rated input voltage range @ full load	15%
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### Output data

Output voltage tolerance	$\pm 1.5$ V at rated input voltage range
Turn on delay time	0.5 s at full load @ rated input voltage
No load output voltage	49.5 Vdc
Output voltage ripple	1%
Output PstLM	$\leq 1$ at full load @ rated input voltage
Output SVM	$\leq 0.4$ at full load @ rated input voltage

### Protection functions output side

Short circuit protection	Yes
Over current protection	Yes

### Dimming operation and interface

Standby power consumption	0.8 W (average)
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### Connection terminals

Wire cross section	Input wire: 0.75 mm <sup>2</sup>
Wire stripping length	7...8 mm

### Degree of protection

Protection rating	IP20
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### Operating data

Default current	0...2.1A
Output voltage range	48 Vdc
Noise level	< 20 dB, at full load @ 100 cm distance

### Circuit breaker / Inrush current

MCB loading quantity	Inrush current I <sub>peak</sub> : 33.6 A			Inrush current T <sub>width</sub> : 368 $\mu$ s	
	MCB type	B10	C10	B16	C16
	Units	5	8	8	13

## 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 current protection: Hiccup mode. Protection device will trigger when load current exceeds specified output current 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.

### Environmental specifications

Operating temperature	-20...+50°C
Storage temperature	-40...+80°C
Working humidity	10%...90%
Store humidity	5%...90%
Lifetime	at Tc 80°C: 50,000 hrs; at Tc 70°C: 100,000 hrs; @ 230 Vac
Maximum Tc temperature	85°C

### Safety & EMC compliance

ENEC+CE

CCC
GB 17625.1-2012
GB/T 17743-2017
GB 19510.1-2009
GB 19510.14-2009

SAA

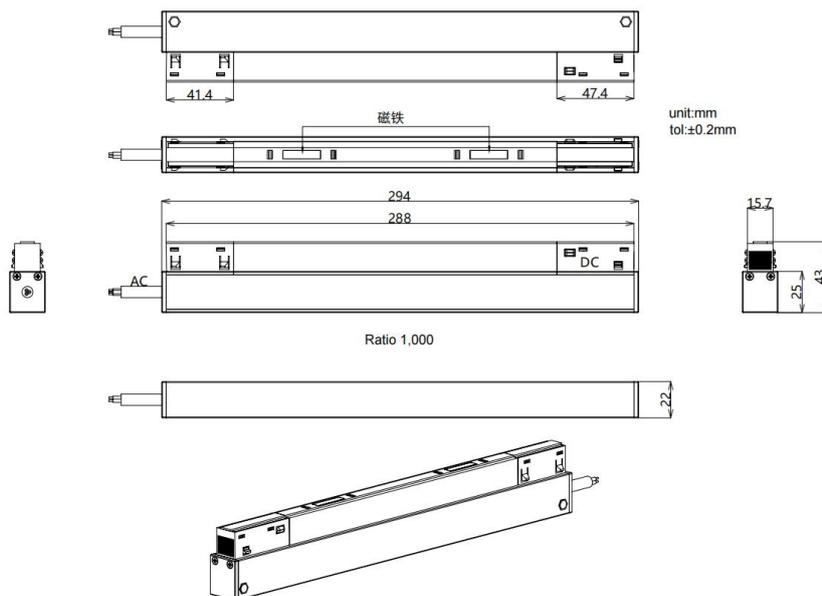
### Dimensions

#### Housing dimensions

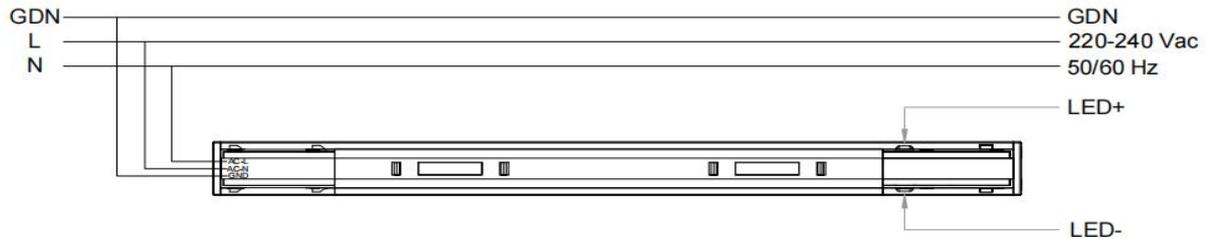
Length (L)	294 mm
Width (W)	23 mm
Height (H)	43 mm
Weight	0.455kg

#### Packaging details

Packing units	24 pcs
Carton size	365 x 332 x140 mm
Weight	13 kg

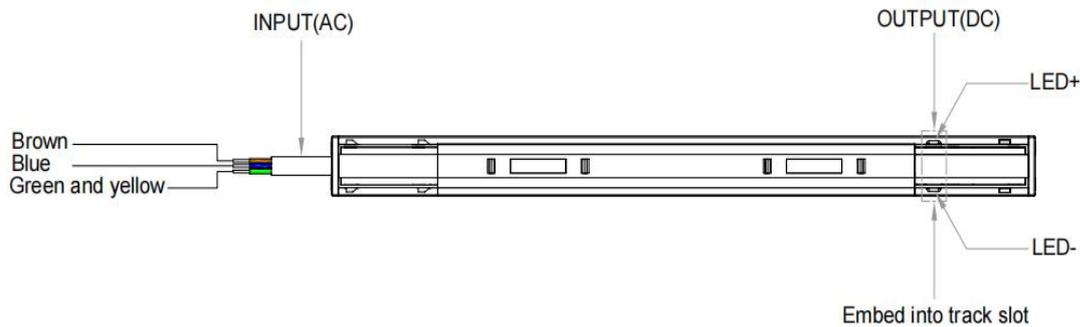


### Wiring diagram



- 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).
- Incorrect wiring can damage the LED.
- The wire must be well protected against short circuit.

### Switch diagram



Input wire	HO5VV-F 3 × 0.75 mm <sup>2</sup> 60227 IEC 53 (RVV)
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### Technical information

