

Product features

- 0-10 V adjustable power color temperature LED driver
- Flicker-free LED driver
- 12 V 0.1 A Auxiliary source
- Output current 700...1300 mA
- Max. output power 58.5 W
- For luminaires with protection class I
- 5 years warranty



Product specifications

164356 XZ-SC60B-450130-1100900700-H

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	Dimension LxWxH (mm)
1300 mA	120 Vac	36...45 Vdc	87.5%	± 5%	0.9	270x27x19.7
1100 mA			88%			
900 mA			88.5%			
700 mA			88.5%			
1300 mA	277 Vac		88.5%			
1100 mA			88.5%			
900 mA			88%			
700 mA			87%			

Electrical specifications

Mains voltage supply

Rated input voltage range	120...277 Vac
Max. input voltage range	108...305 Vac
Rated frequency range	50/60 Hz
Max. input current	0.7 A @ 120 Vac

Protection against voltage peaks

Withstand voltage	I/p-O/p: 1.8 kVac, < 5 mA 60 s; I/p-FG: 1.8 kVac, < 5 mA 60 s I/p-DIM: 1.8 kVac, < 5 mA 60 s; DIM-FG: 0.6 kVac, < 5 mA 60 s O/p-FG: 0.6 kVac, < 5 mA 60 s
Mains surge immunity	L-N 1kV, L-FG 2 kV, N-FG 2 kV

Total harmonic distortion (THD)

At rated input voltage range @ full load	20%
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Output data

Output current tolerance	± 5% at rated input voltage range
No load output voltage	60 Vdc
Stroboscopic coefficient	5%
Inrush current	50 A at rated input voltage range @ full load
Turn-on Delay time	≤ 0.75 s at full load @ low rated input voltage, ≤ 0.5 s at full load @ high rated Input voltage

Protection functions output side

Over voltage protection	Yes
Short circuit protection	Yes

Connection terminals

Connection terminal type	45°push in terminal
Wire cross section	Input and output wire: 16-24 AWG
Wire stripping length	8...9 mm

Operating data

Default current	700 mA
Output voltage range	36...45 Vdc
Noise level	< 20 dB, at full load @ 100 cm distance

Supplementary instructions

- Meet FCC requirements, The power supply is used in combination with the terminal equipment as a part of the whole lamp. Because the EMC performance is affected by LED lamps and wiring, the terminal is set In case the manufacturer needs to reconfirm the EMC of the whole device.
- The outputs of drivers cannot be in paralleled.

Protection

- Over voltage protection: Hiccup mode. protection device will trigger when load voltage exceeds 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.

Environmental specifications

Operating temperature	-20...+50°C
Storage temperature	-40...+80°C
Working humidity	10%...90%
Store humidity	5%...90%
Lifetime	at Tc 65°C (Tc at CY3): 50,000 hrs
Maximum Tc temperature	70°C

Safety & EMC compliance

UL
UL8750
UL1310-CLASS 2
CAN/CSA C22.2 No. 250.13

CCC

SAA

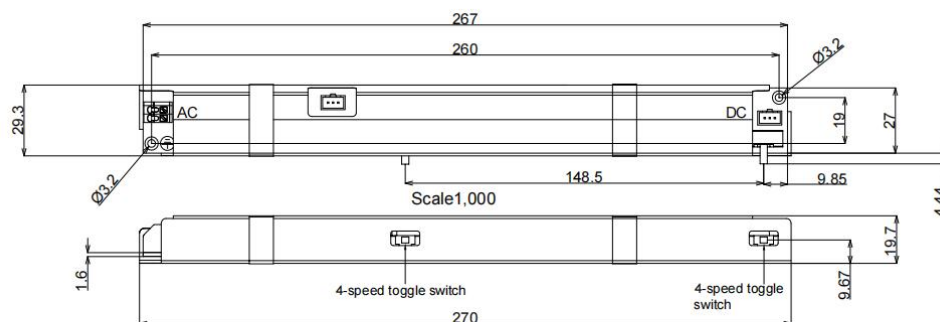
Dimensions

Housing dimensions

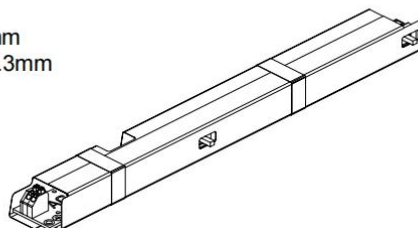
Length (L)	270 mm
Width (W)	27 mm
Height (H)	19.7 mm
Weight	0.145 kg

Packaging details

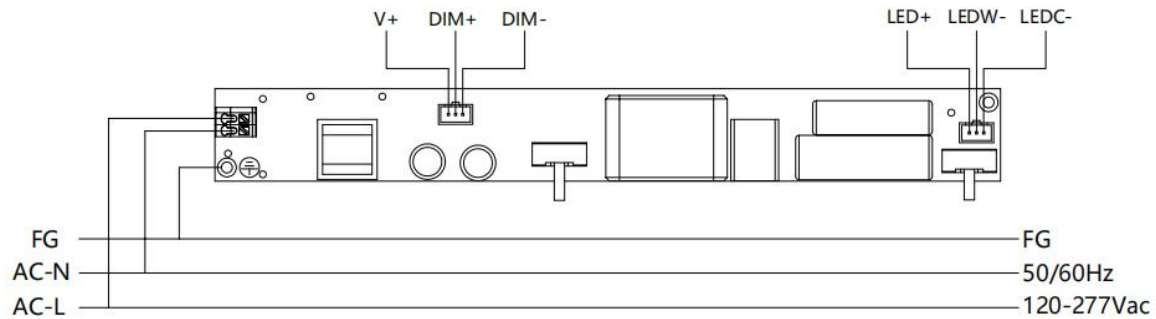
Packing units	60 pcs
Carton size	332 x 297 x 186 mm
Weight	9.7 kg



unit:mm
tol:±0.3mm



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 product must be well grounded.

Technical information

