

Product features

- 0-10V adjustable power color temperature LED driver
- Flicker-free LED driver
- 12 V 0.1 A Auxiliary source
- Output current 800...1050 mA by DIP Switch adjust
- Max. output power 47.25 W
- For luminaires with protection class I
- 5 years warranty



Product specifications

XZ-SE50B-450105-090080-W-H

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor
1050 mA	120 Vac	36...45 Vdc	86.5%	± 5%	0.9
900 mA			87%		
800 mA			86.5%		
1050 mA	277 Vac		87%	± 5%	
900 mA			87%		
800 mA			87%		

Electrical specifications

Mains voltage supply

Rated input voltage range	120...277 Vac; performance range
Max. input voltage range	108...305 Vac; operational safety range
Rated frequency range	50/60 Hz
Max. input current	0.6 A @ 120 Vac

Protection against voltage peaks

Withstand voltage	I/p-O/p: 1.8 kVac, < 5 mA 60s; I/p-FG: 1.8 kVac, < 5 mA 60s I/p-DIM: 1.8 kVac, < 5 mA 60s; DIM-FG: 0.6 kVac, < 5 mA 60s O/p-FG: 0.6 kVac, < 5 mA 60s
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	≤ 10%
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Output data

No load output voltage	$\leq 60 \text{ Vdc}$
Ripple output current	$\leq 5\%$ (ripple = peak/average total 100 Hz)
Inrush current	50 A at rated input voltage range @ full load
Turn-on Delay time	$\leq 0.75 \text{ s}$ at full load @ low rated input voltage, $\leq 0.5 \text{ s}$ at full load @ high rated input voltage

Protection functions output side

Input undervoltage protection	The input voltage is less than or equal to $80 \pm 8 \text{ V}$
Input overvoltage protection	The input voltage is greater than or equal to $320 \pm 15 \text{ V}$
Output overvoltage protection	Hiccup mode. protection device will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.
Output short circuit protection	Hiccup mode. protection device will trigger when short circuit and will auto recover after the fault mode is removed.

Dimming operation

Dimming range	0.5%...100%
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Connection terminals

Connection terminal type	45°push in terminal
Wire cross section	Input wire: 16-24 AWG; Output and Dimmer wire: 20-24 AWG
Wire stripping length	7...10 mm

Operating data

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.

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

Safety & EMC compliance

UL
UL8750
UL1310-CLASS 2

CCC

SAA

Dimensions

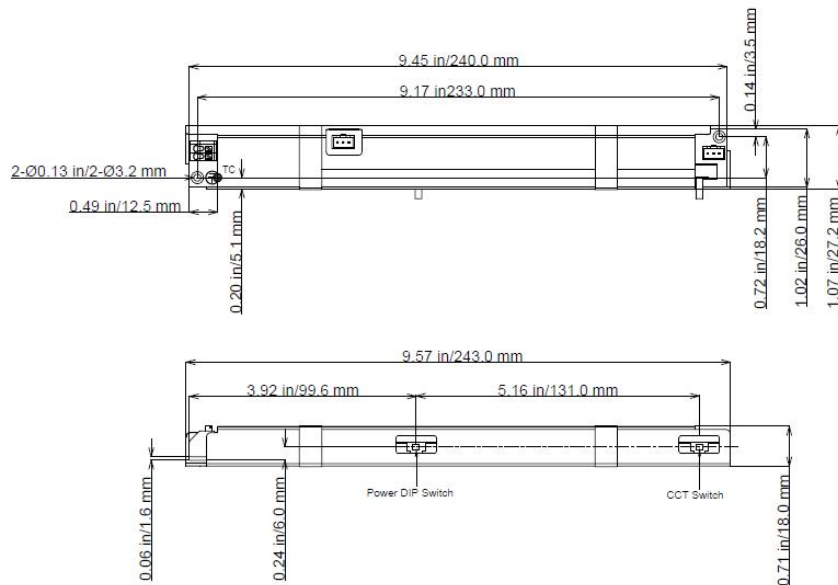
Housing dimensions

Length (L)	9.45 in (240 mm)
Width (W)	1.02 in (26 mm)
Height (H)	0.71 in (18 mm)

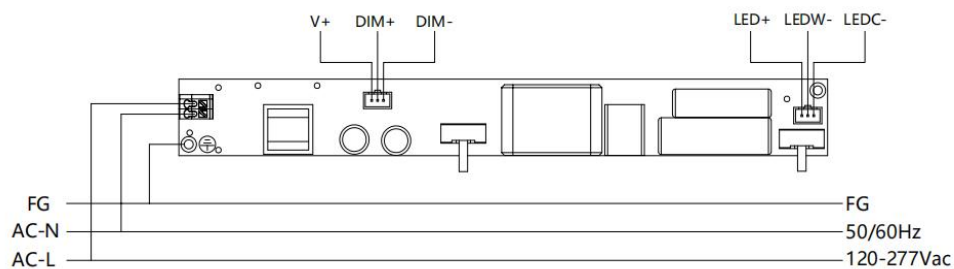
For all dimensions: values in in/mm; tolerances: ± 0.5 mm

Packaging details

Packing units	77 pcs
Carton size	12.99 x 8.86 x 7.32 in (330 x 225 x 186 mm)
Carton weight	8.56 kg
Product weight	0.102 kg

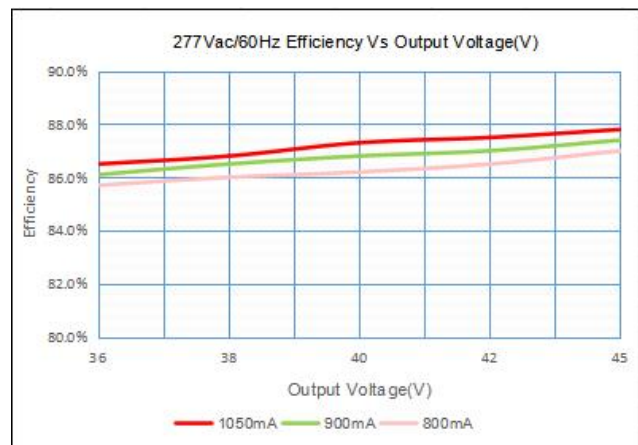
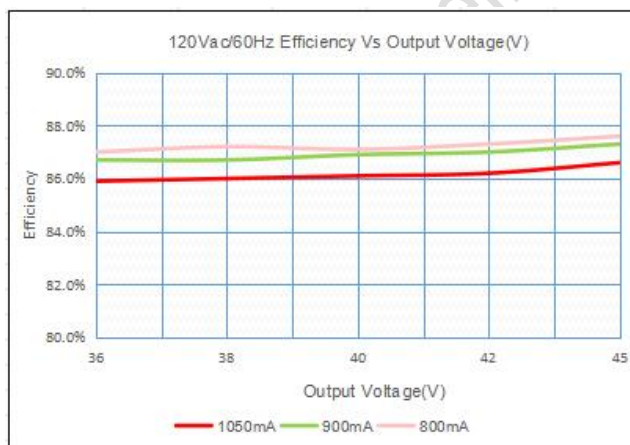
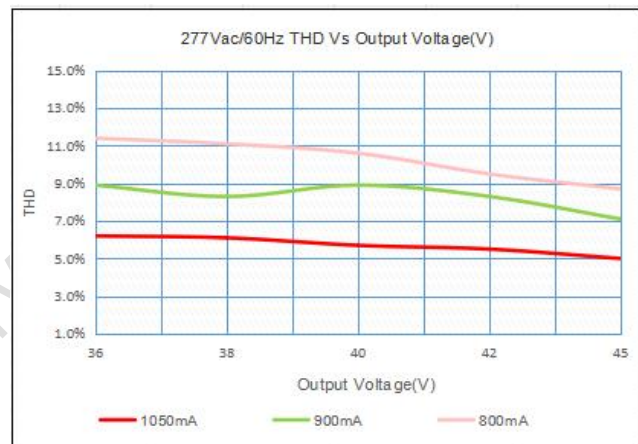
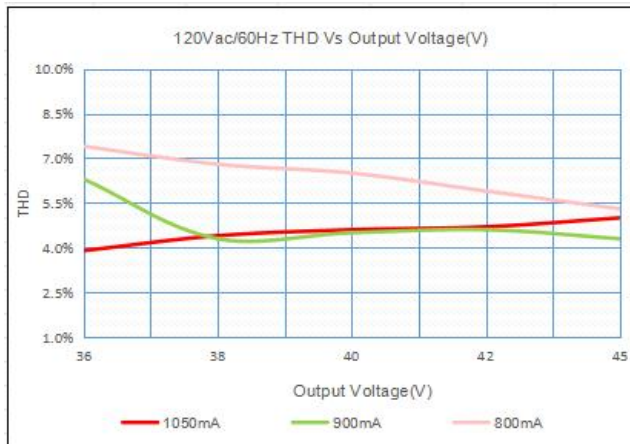
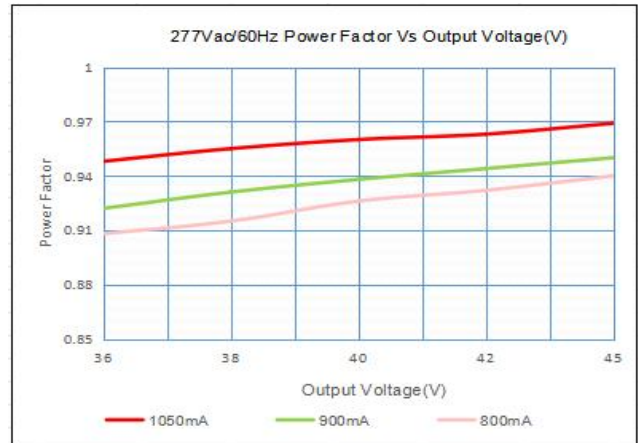
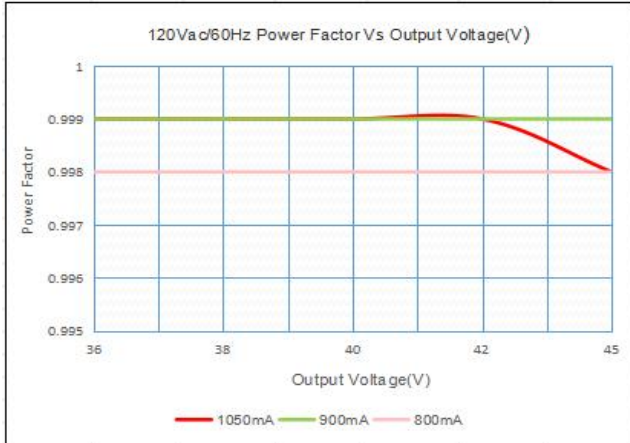


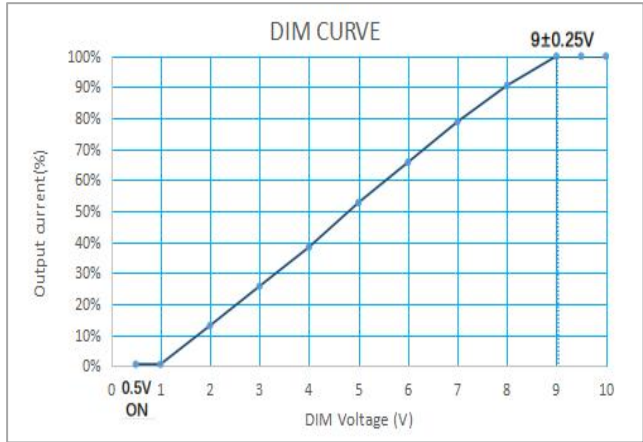
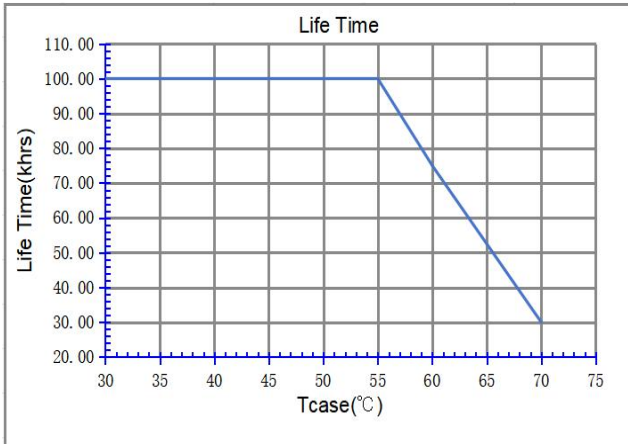
Wiring diagram



- 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 product must be well grounded.

Technical information





Preliminary Version