

Product features

- 0-10 V adjustable power color temperature LED driver
- Flicker-free LED driver
- 12 V 0.1 A Auxiliary source
- Output current 650...1250 mA by DIP Switch adjust
- Max. output power 47.5 W
- For luminaires with protection class I
- 5 years warranty



Product specifications

XZ-SY50B-380125-H

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor
650 mA	120 Vac	30...38 Vdc	85.5%	± 7%	0.9
780 mA				± 5%	
1030 mA			86%		
1150 mA					
1250 mA					
650 mA	347 Vac	30...38 Vdc	85%	± 7%	0.75
780 mA				± 5%	0.82
1030 mA			86%		0.9
1150 mA					
1250 mA					

Electrical specifications

Mains voltage supply

Rated input voltage range	120...347 Vac; performance range
Max. input voltage range	108...380 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 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

Output data

No load output voltage	$\leq 55 \text{ Vdc}$
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 $80 \pm 15 \text{ V}$
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.

Dimming operation

Dimming range	0.5%...100%
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Connection terminals

Connection terminal type	90°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	30...38 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	CCC	SAA
UL8750		
UL1310-CLASS 2		

Preliminary Version

Dimensions

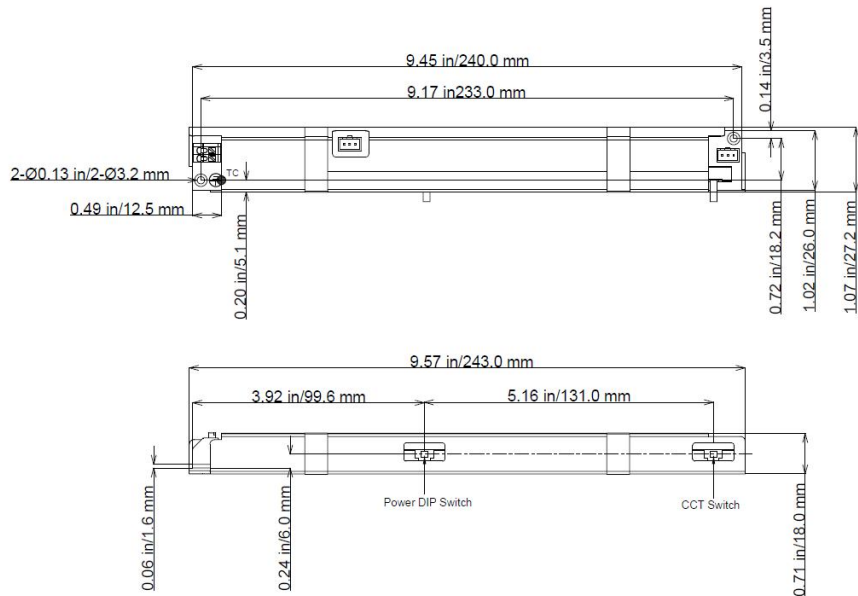
Housing dimensions

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

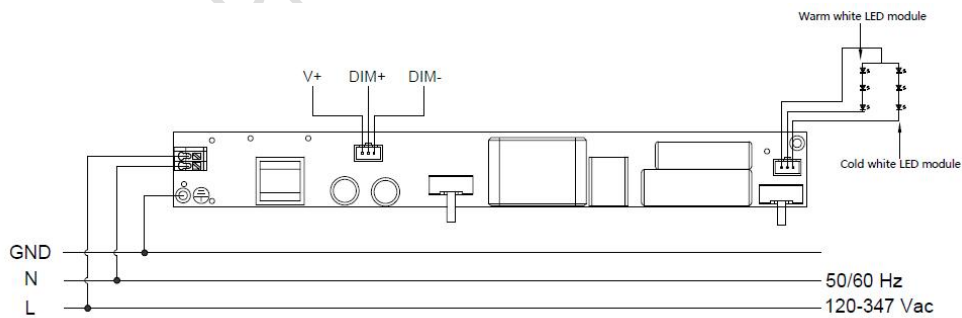
For all dimensions: values in in/mm; tolerances: ± 0.5 mm

Packaging details

Packing units	70 pcs
Carton size	12.64 x 10.55 x 7.28 in (321 x 268 x 185 mm)
Carton weight	10.6 kg
Product weight	0.11 kg

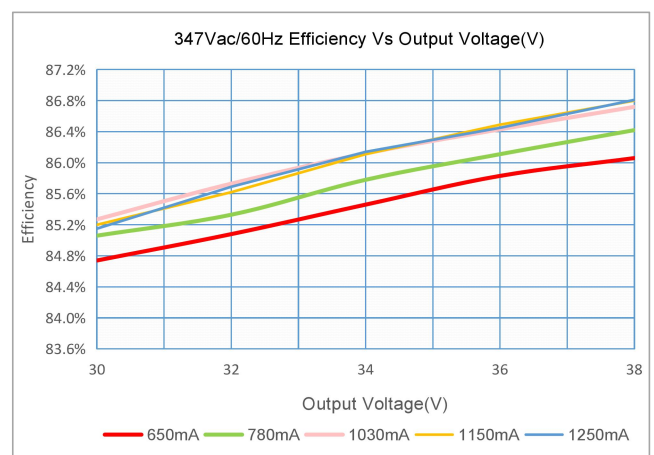
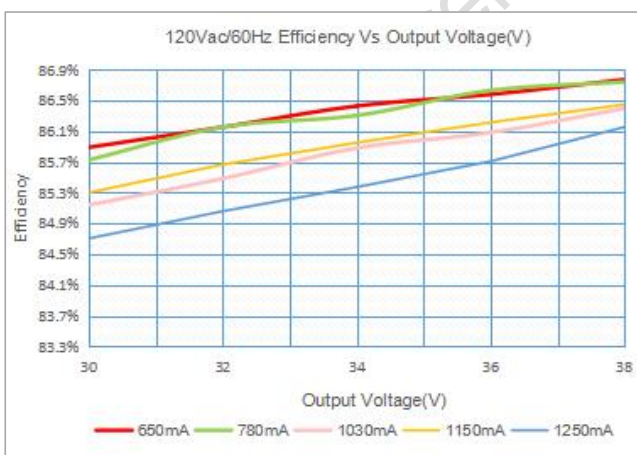
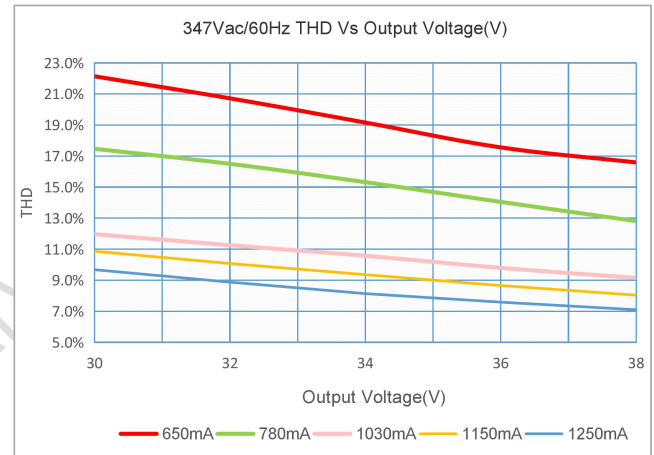
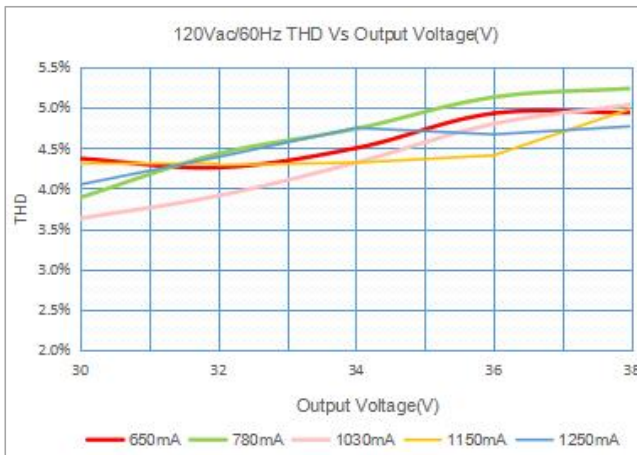
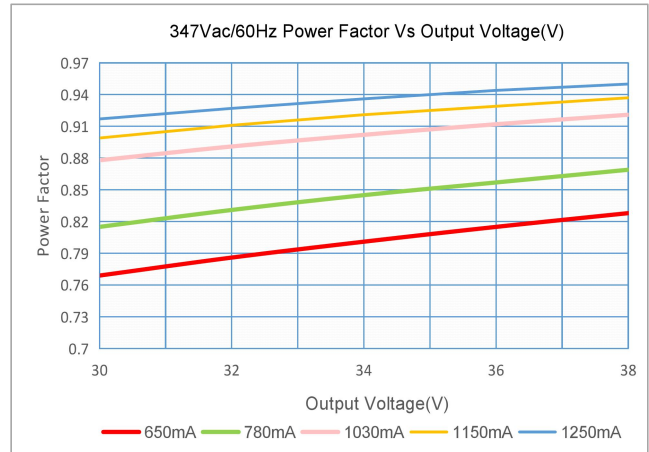
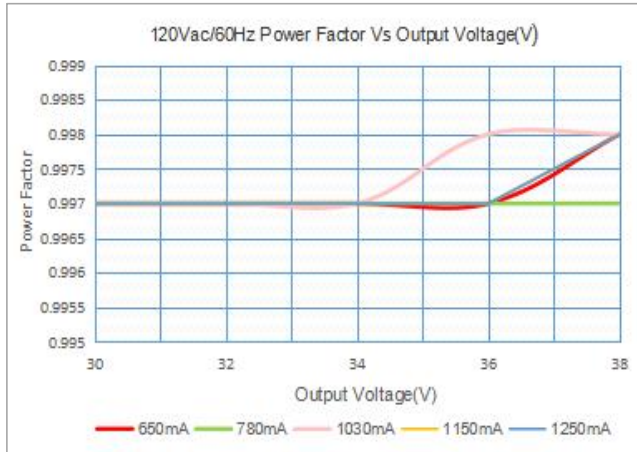


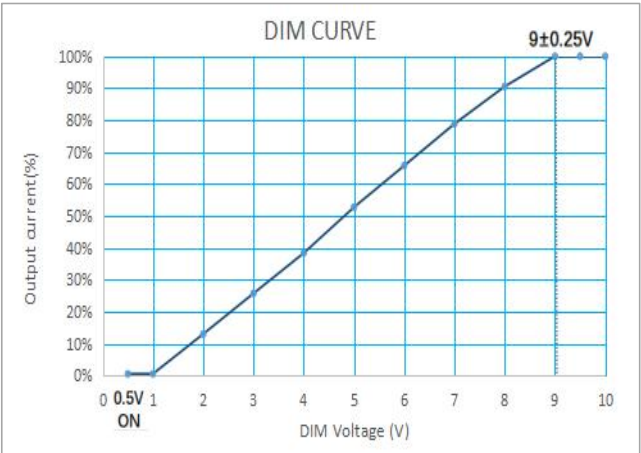
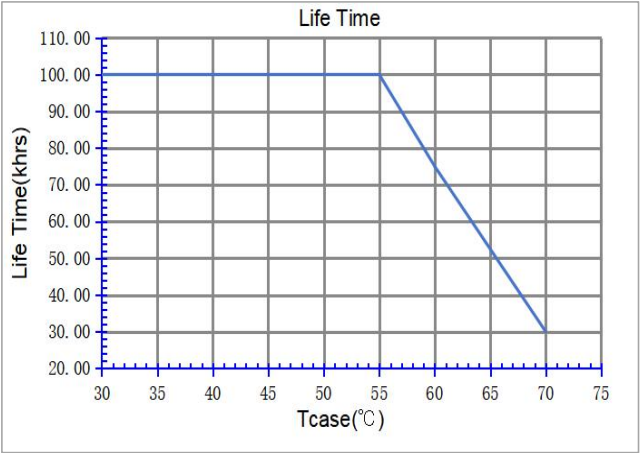
Wiring diagram



- 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