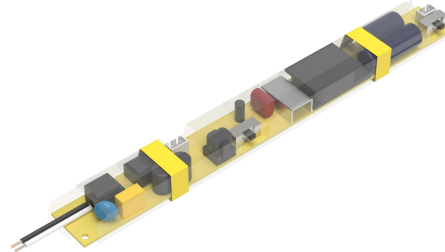


Product features

- 0-10 V dimmable LED driver
- Two DIP Switches for adjusting power and color temperature
- Flicker-free LED driver
- 12 V 0.1 A Auxiliary source
- Output current 800...1500 mA by DIP Switch adjust
- Max output power 67.5 W
- Class 2 output
- 5 years warranty

0/1-10V



Product specifications

XZ-SY70B-450150-H

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	
800 mA	120 Vac	30...45 Vdc	88.0%	± 5%	0.9	
900 mA						
1100 mA						
1300 mA						
1500 mA						
800 mA	347 Vac	30...45 Vdc	87.5%			0.72
900 mA			88.0%			0.75
1100 mA						0.8
1300 mA					88.5%	0.84
1500 mA			0.87			

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
Performance/Operational safety	47...63 Hz
Max. input current	0.8 A @ 120 Vac

Protection against voltage peaks

Withstand voltage	I/p-O/p: 1.8 kVac, < 5 mA 60 sec, I/p-earth: 1.8 kVac, < 5 mA 60 sec, I/p-DIM: 1.8 kVac, < 5 mA 60 sec, DIM-earth: 0.6 kVac, < 5 mA 60 sec, O/p-earth: 0.6 kVac, < 5 mA 60 sec
Mains surge immunity	L-N 1 kV, L/N-earth 2 kV per IEC 61000-4-5, 2.5 kV ring wave

Total harmonic distortion (THD)

At rated input voltage range @ full load	≤ 10%
--	-------

Output data

Output current tolerance	$\pm 5\%$ at rated input voltage performance range
No load output voltage	≤ 60 Vdc
Ripple output current	5% (ripple = peak/average total 100 Hz)
Output PstLM	≤ 1 at full load @ rated input voltage
Output SVM	≤ 0.4 at full load @ rated input voltage
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

Input undervoltage protection	The input voltage is less than or equal to 80 ± 8 V
Input overvoltage protection	No
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	No

Dimming operation and interface

Dimming range	0.5%...100%
---------------	-------------

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	8...9 mm

Degree of protection

Protection rating	IP20
-------------------	------

Operating data

Output voltage range	30...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 60°C (Tc at CY3): 50,000 h
Maximum Tc temperature	70°C

Safety & EMC compliance

UL	FCC	
UL8750	/	
UL1310-CLASS 2		

Dimensions

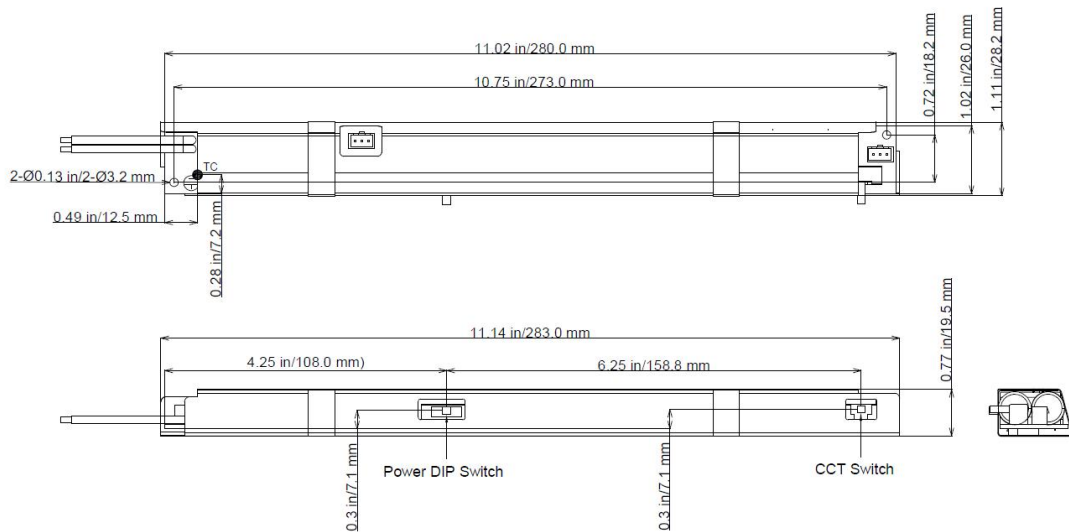
Housing dimensions

Length (L)	11.14 in (283.0 mm)
Width (W)	1.02 in (26.0 mm)
Height (H)	0.77 in (19.5 mm)

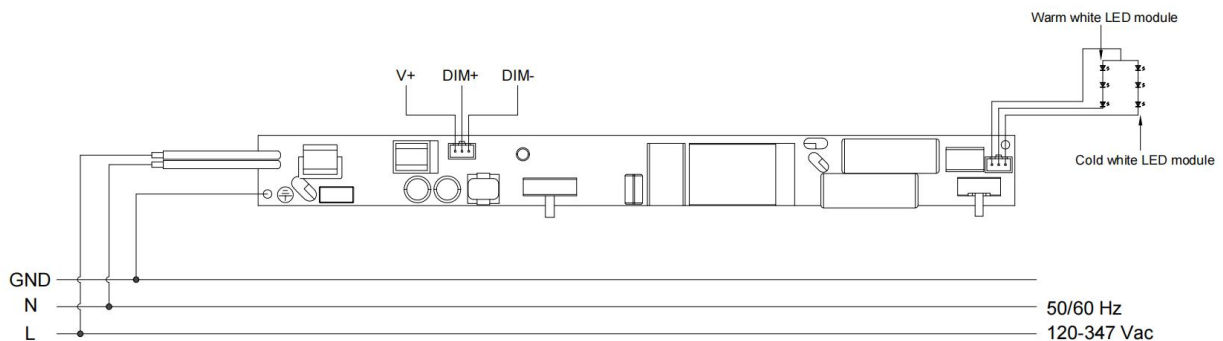
For all dimensions: values in in/mm; tolerances: ± 0.5 mm

Packaging details

Packing units	48 pcs
Carton size	12.20 x 10.43 x 7.28 in (310 x 265 x 185 mm)
Carton weight	8.16 kg
Product weight	0.162 kg

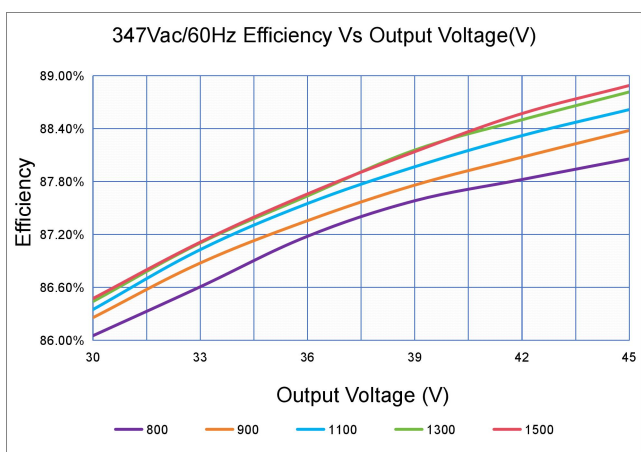
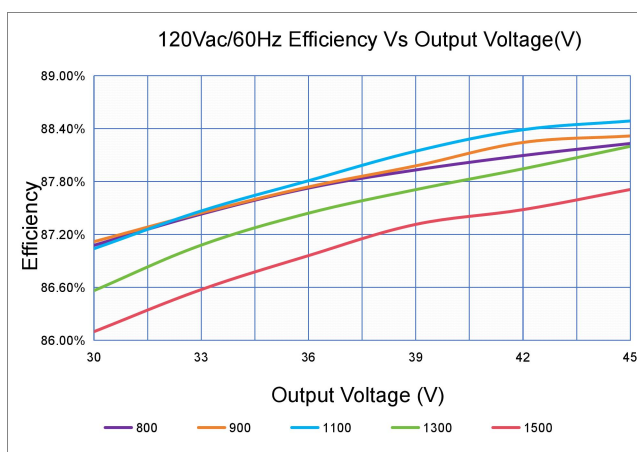
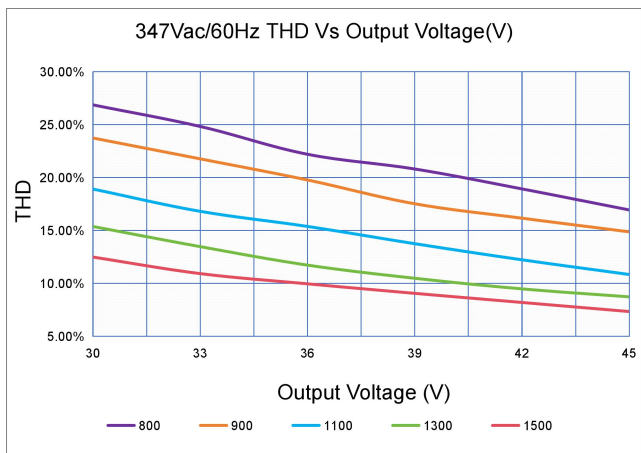
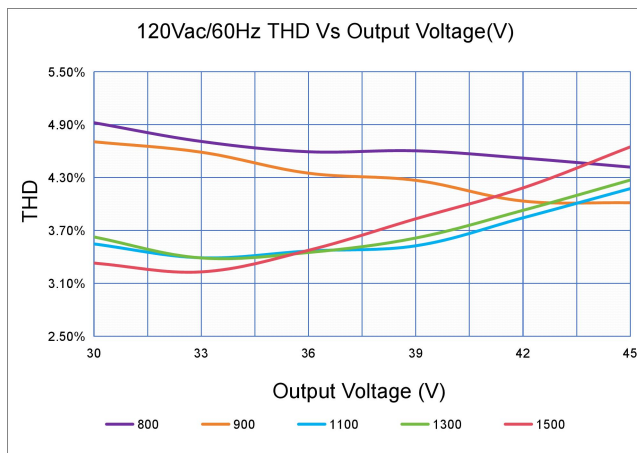
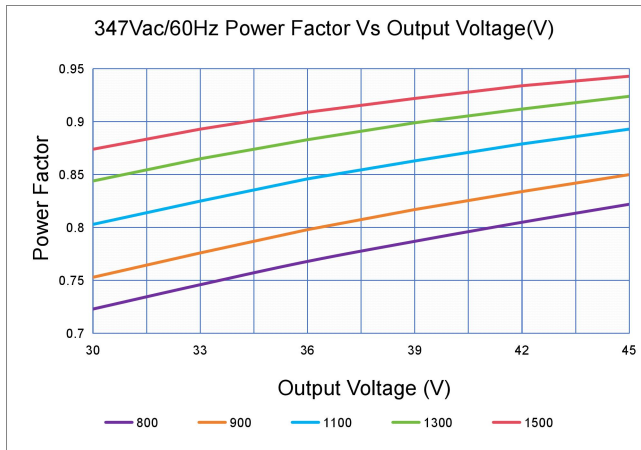
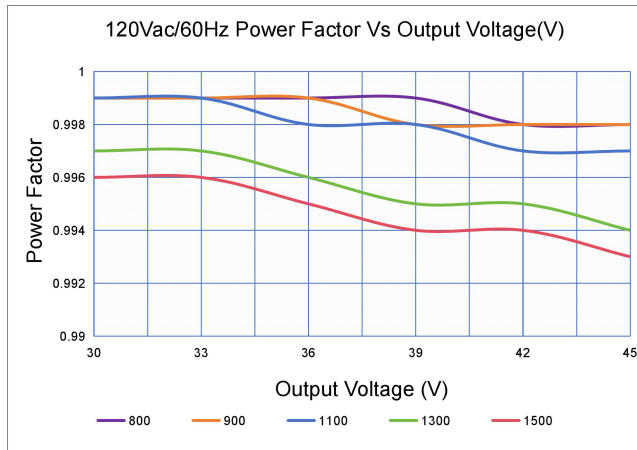


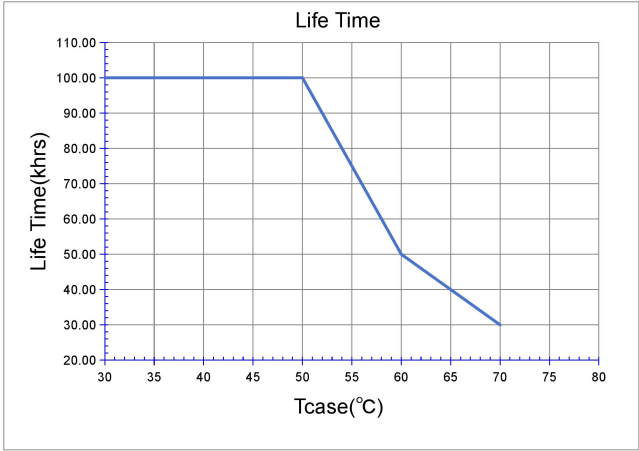
Wiring diagram



- 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.
- The product must be well grounded.
- This driver is intended for use with back-lit panel lights only.

Technical information





at Tc 60°C (0.2% / 1,000 h failure rate)

