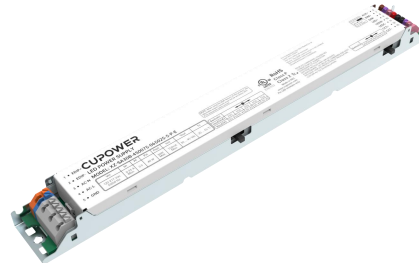


Product features

- Built-in 0-10 V adjustable power color temperature LED driver
- Output current 500...1050 mA by DIP Switch adjust
- EDIP port can externally connected DIP Switch
- Max output power 40 W
- Flicker-free
- 12 V 0.1 A Auxiliary source
- Class 2 output
- 5 years warranty

0/1-10V

Class P



Product specifications

110731 XZ-SA40B-450105-095050-5-P-E

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor
500 mA	120 Vac	30...45 Vdc	86.5%	± 5%	0.9 (Output Power > 23.5 W)
700 mA			87%		
850 mA			87%		
950 mA		30...42 Vdc	86.5%		
1050 mA		30...38 Vdc	86%		
500 mA	277 Vac	30...45 Vdc	86.5%		
700 mA			87.5%		
850 mA			87.5%		
950 mA		30...42 Vdc	87.5%		
1050 mA		30...38 Vdc	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
Performance/Operational safety	47...63 Hz
Max. input current	0.4 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%
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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

Protection functions output side

Input undervoltage protection	The input voltage is less than or equal to 80 ± 8 V
Input overvoltage protection	The input voltage is greater than or equal to 320 ± 15 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 and interface

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	8...9mm

Degree of protection

Protection rating	IP20
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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... +55°C
Storage temperature	-25... +85°C
Working humidity	10%...90%
Store humidity	5%...95%
Lifetime	at Tc 80°C: 50,000 hrs @ performance range (0.2% / 1,000 h failure rate)
Maximum Tc temperature	85°C

Safety & EMC compliance

UL	FCC	
UL8750	/	
CLASS P		
CSA C22.2 NO.250.13		
UL1310-CLASS 2		

Dimensions

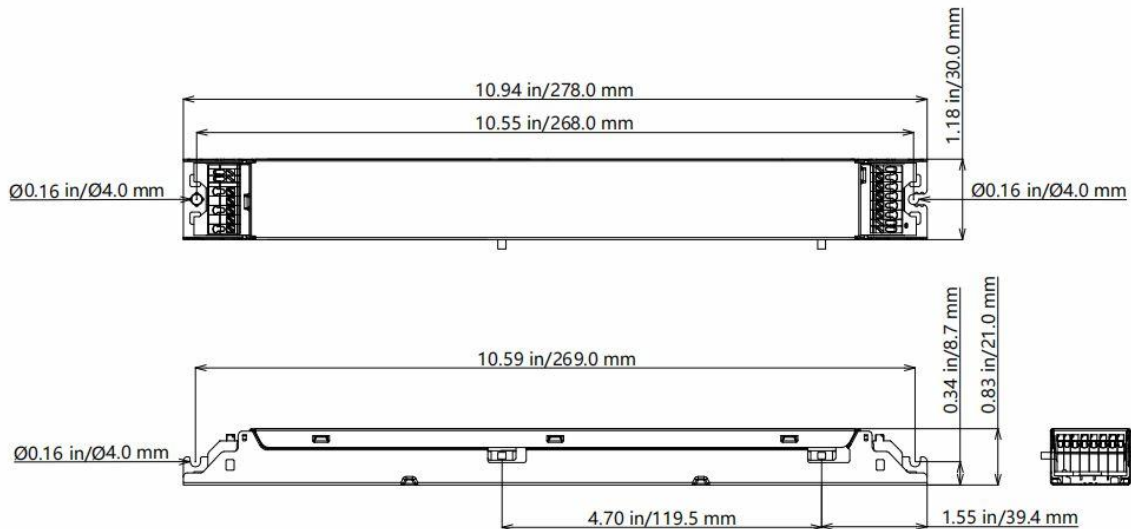
Housing dimensions

Length (L)	10.94 in (278.0 mm)
Width (W)	1.18 in (30.0 mm)
Height (H)	0.83 in (21 mm)

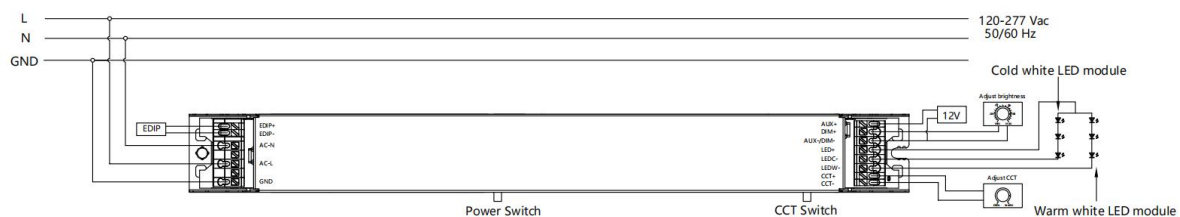
For all dimensions: values in in/mm; tolerances: ± 0.5 mm

Packaging details

Packing units	56 pcs
Carton size	14.76 x 12.8 x 7.30 in (375 x 325 x 185 mm)
Carton weight	11.5 kg
Product weight	0.2 kg

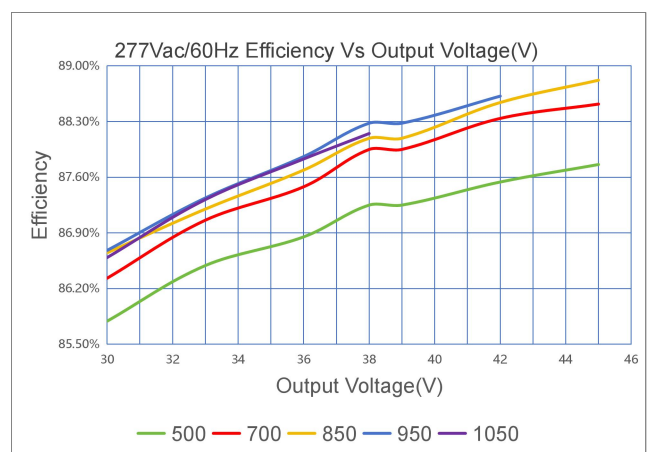
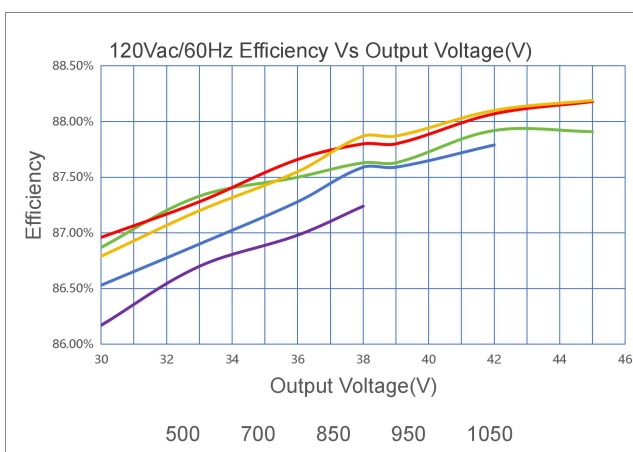
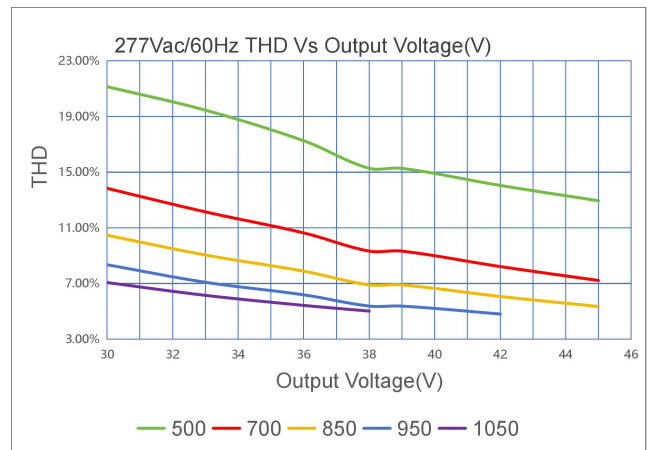
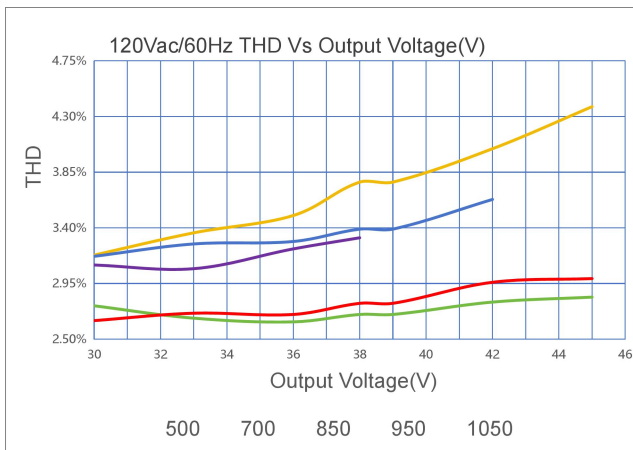
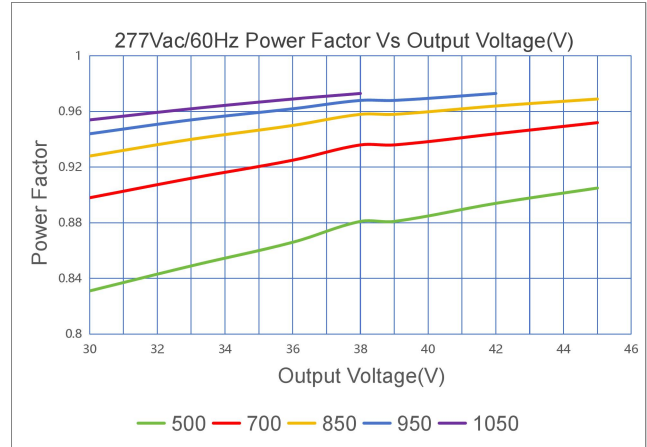
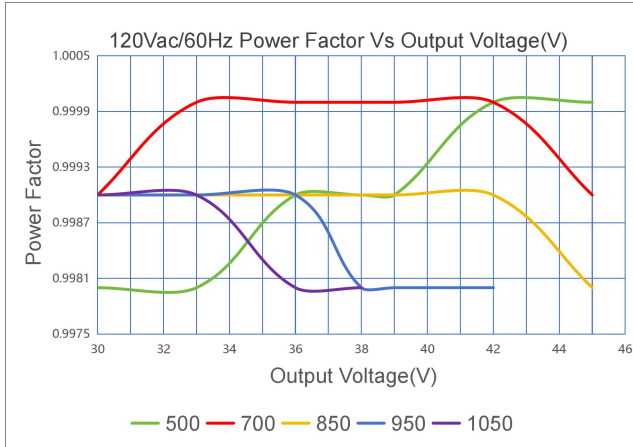


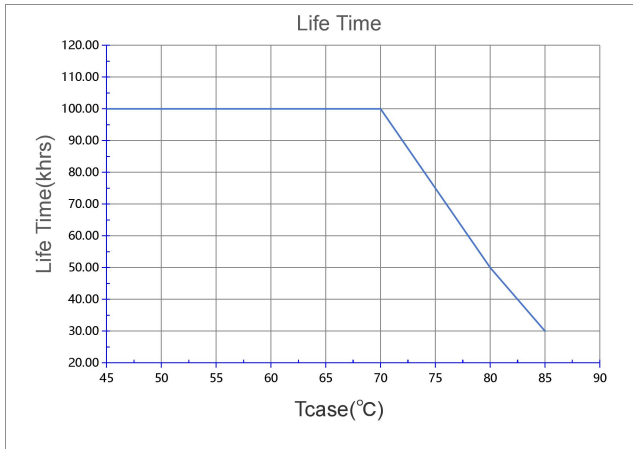
Wiring diagram



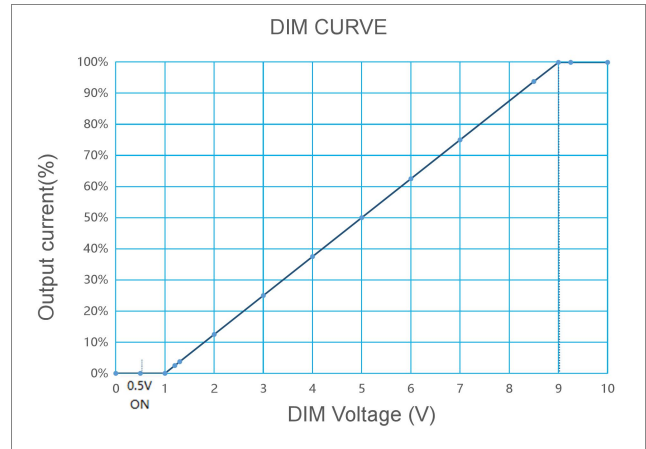
- All connections must be as short as possible to ensure good EMI performance.
- The recommended length of the EDIP port leads should be no more than 300 mm.
- The luminaire wire should keep a certain distance from the LED power supply and other wires (5...10 cm is preferred).
- Incorrect wiring can damage the LED.
- The wire must be well protected against short circuit.
- The product must be well grounded.
- When the driver is equipped with both an EDIP interface and a power switch, the switch defines the maximum output current limit of the device. If the EDIP interface is intended to control the driver across its full adjustable current range, the power switch shall be set to the maximum current position. Any other power switch setting reduces the maximum current limit and consequently restricts the usable current range available via the EDIP interface to the value defined by the power switch.
- When the driver is equipped with both a CCT interface and an adjustable CCT switch, the CCT interface is enabled only when the CCT switch is set to the leftmost position labeled "CW"

Technical information





at Tc 80°C (0.2% / 1,000 h failure rate)



It's important to set the output current (AOC value) according to the LED voltage and make sure the power is within Pout + 5%.

Example of AOC settings

V LED (Vdc)	AOC max	Pout (W)
45	500 mA	22.5
45	700 mA	31.5
45	850 mA	38.25
42	950 mA	39.9
38	1050 mA	39.9