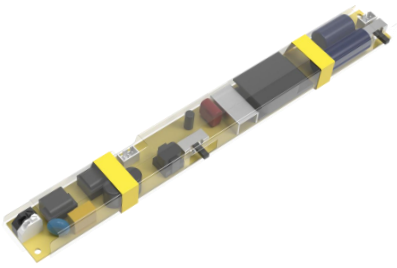
CUPOWER

XZ-SE30B-380075-060040-W-H

Product features

- 0-10V adjustable power color temperature LED driver
- Flicker-free
- 12 V 0.1 A Auxiliary source
- Output current 400…750 mA by DIP Switch adjust
- Max. output power 28.5 W
- For luminaires with protection class I
- 5 years warranty



Product specifications

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Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor
750 mA	120 Vac	30…38 Vdc	85.5 %	± 5 %	0.9 (Output Power > 19 W)
600 mA			86.0 %		
400 mA			86.0 %		
750 mA	277 Vac	30…38 Vdc	86.0 %		
600 mA			86.0 %		
400 mA			85.5 %		

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	≤ 15 %

Output data	
Output current tolerance	± 5 % at rated input voltage performance range
No load output voltage	≤ 55 Vdc

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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.
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 and interface

Dimming range	0.5 %...100 %

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…9 mm

Degree of protection

Protection rating	IP20

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.
- This driver is intended for use with backlit -panel lights only.
- Damage caused by incorrect application or use outside the specified scope is not covered by warranty.

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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 h
Maximum Tc temperature	/

Safety & EMC compliance

UL
UL8750
UL1310-CLASS 2

FCC
/

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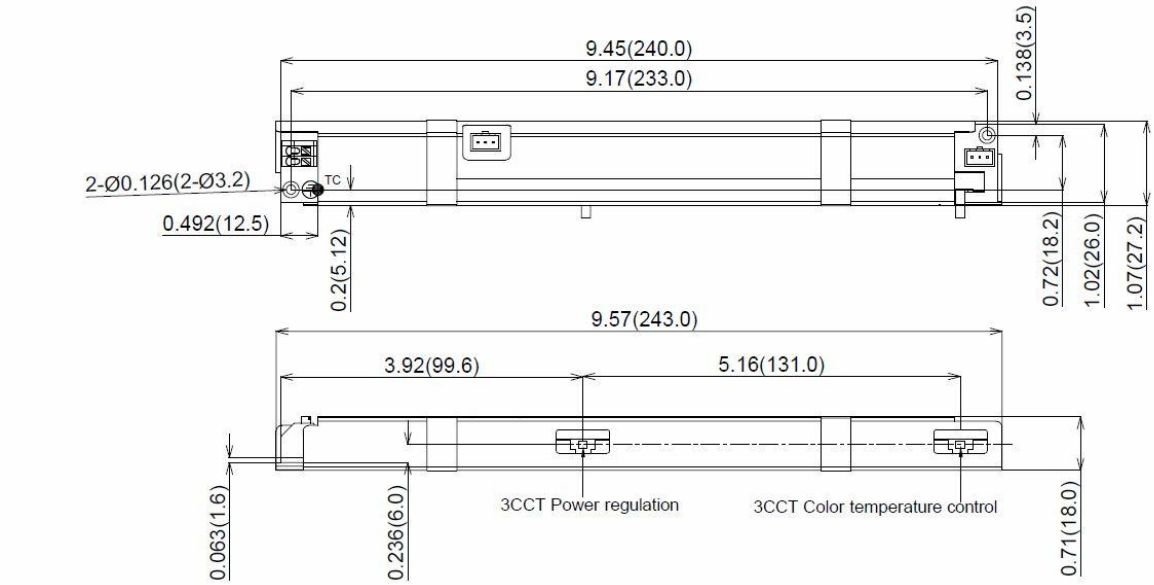
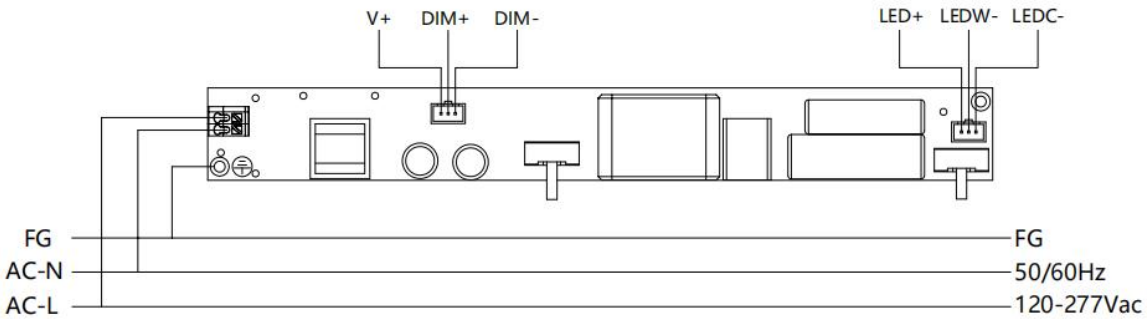
Dimensions

Housing dimensions	
Length (L)	9.45 in (240.0 mm)
Width (W)	1.07 in (27.2 mm)
Height (H)	0.71 in (18.0 mm)
For all dimensions: values in in/mm; tolerances: ± 0.5 mm	

Packaging details	
Packing units	70 pcs
Carton size	12.99 x 8.86 x 7.32 in (330 x 225 x 186 mm)
Carton weight	7.7 kg
Product weight	0.103 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.

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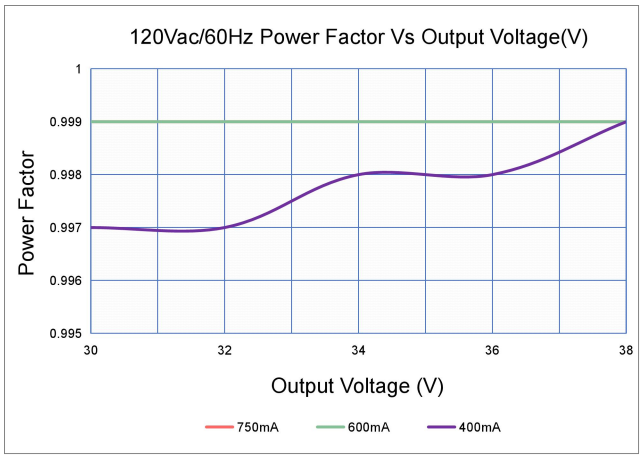
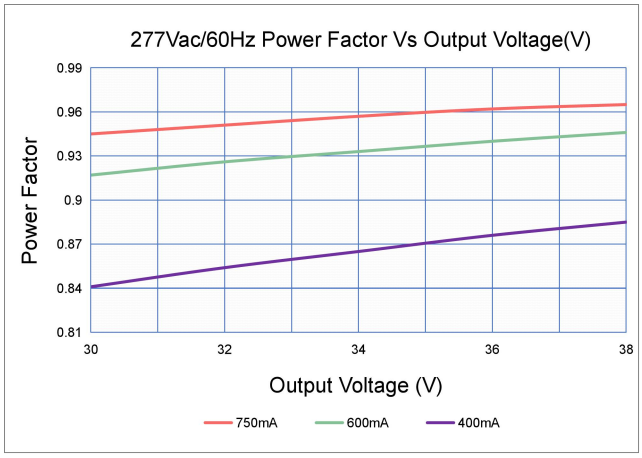
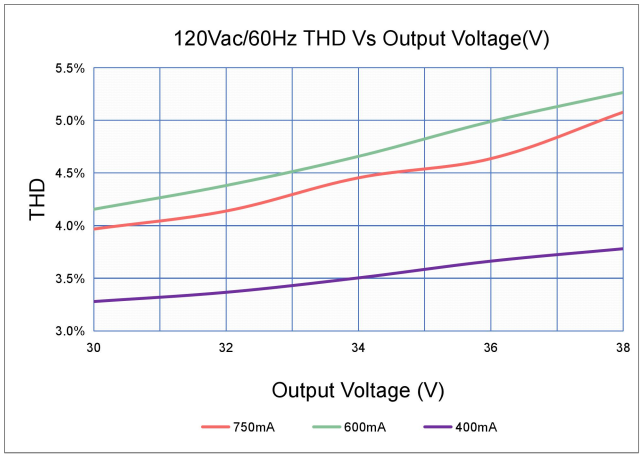
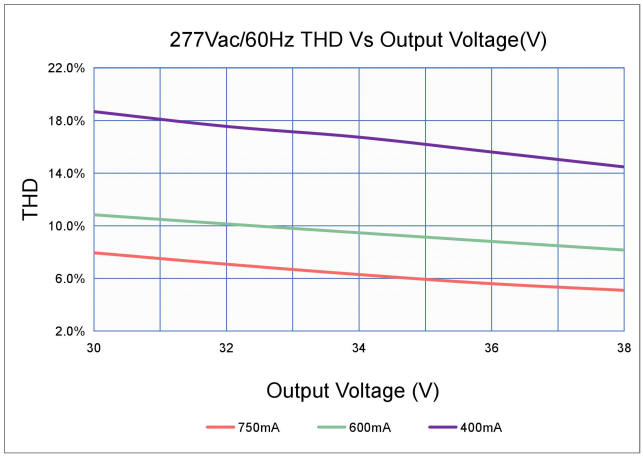
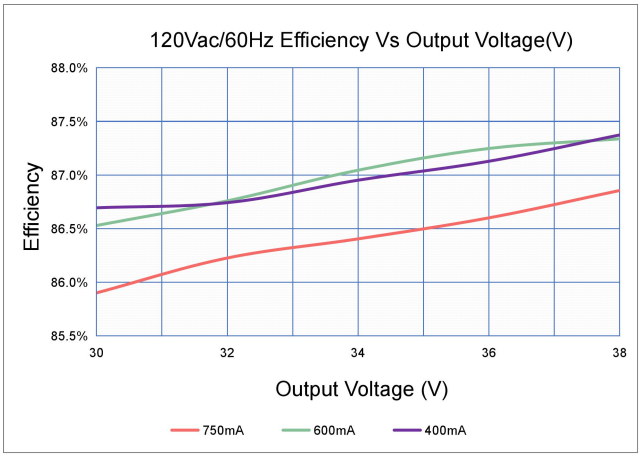
Technical information

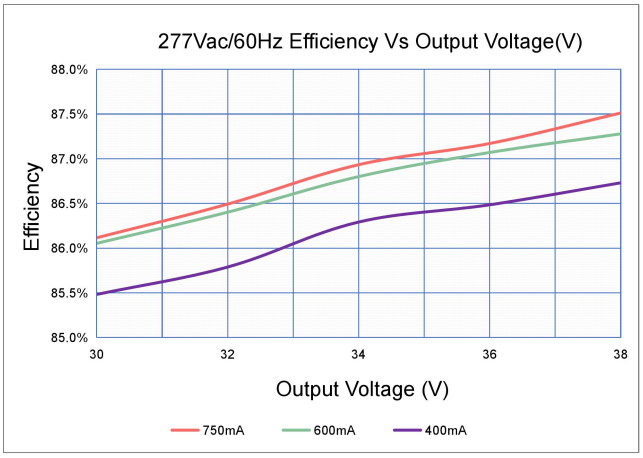












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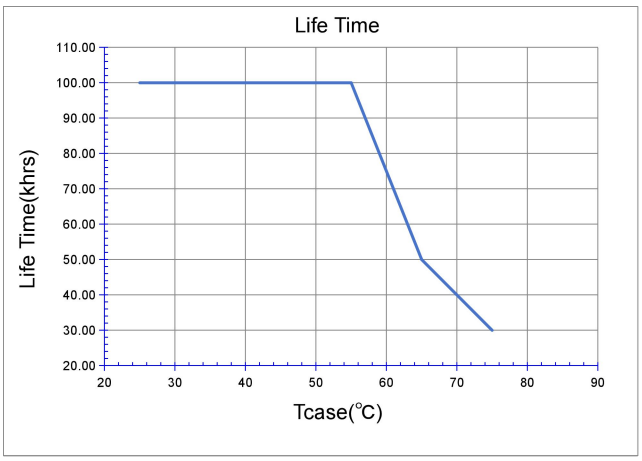

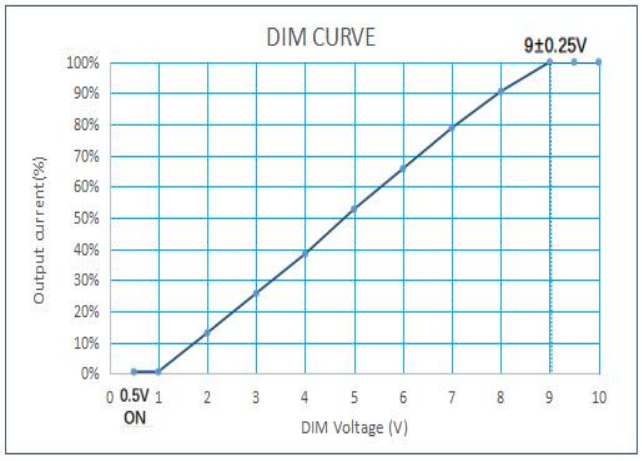

at Tc 65 °C (0.2 % / 1,000 h failure rate)

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