

Product features

- Built-in non-isolated dimming adjustable power color temperature LED driver
- Flicker-free LED driver
- 12 V 0.2 A Auxiliary source
- Output current 450...650 mA
- Max. output power 150 W
- For luminaires with protection class I
- 5 years warranty



Product specifications

164684 XZ-SK150B-251065-055045-AADA

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	Dimension LxWxH (mm)
650 mA	120 Vac	180-230Vdc	92%	± 5%	0.9	241.8 x 44.5 x 31
550 mA		180-250Vdc	92%			
450 mA		180-250Vdc	92%			
650 mA	277 Vac	180-230Vdc	94%			
550 mA		180-250Vdc	94%			
450 mA		180-250Vdc	94%			

Electrical specifications

Mains voltage supply

Rated input voltage range	120...277 Vac
Max. input voltage range	108...305 Vac
Rated frequency range	50/60 Hz
Max. input current	1.7 A @ 120 Vac

Protection against voltage peaks

Withstand voltage	I/P-FG:1.5KVac,<5mA 60S;I/P-DIM:1.8KVac,<5mA 60S; O/P-FG:1.5KVac,<5mA 60S;O/P-DIM:1.8KVac,<5mA 60S;DIM-FG:0.6KVac,<5mA 60S
Mains surge immunity	L-N :4KV,L-FG: 4KV,N-FG: 4KV

Total harmonic distortion (THD)

At rated input voltage range @ full load	20%
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Output data

Output current tolerance	± 5% at rated input voltage range
No load output voltage	350 Vdc
Stroboscopic coefficient	5%
Inrush current	50 A at rated input voltage range @ full load
Turn-on Delay time	≤ 0.75s at full load @ low rated input voltage, ≤ 0.5s at full load @ high rated Input voltage

Protection functions output side

Over voltage protection	Yes
Short circuit protection	Yes

Connection terminals

Connection terminal type	45° push in terminal
Wire cross section	Input wire:18AWG;Output wire:18AWG; Dimmer wire:20AWG;Aux wire:20AWG
Wire stripping length	8...9 mm

Degree of protection

Protection rating	IP20
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Operating data

Default current	/
Output voltage range	180...250 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.

Protection

- Over voltage protection: Hiccup mode. protection device will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.
- Short circuit protection: Hiccup mode. protection device will trigger when short circuit and will auto recover after the fault mode is removed.

Environmental specifications

Operating temperature	-40...+55°C
Storage temperature	-40...+80°C
Working humidity	10%...90%
Store humidity	5%...90%
Lifetime	at Tc 75°C 50,000 hrs
Maximum Tc temperature	90°C

Safety & EMC compliance

UL
UL8750
UL1310-CLASS 2
CAN/CSA C22.2 No. 250.13
CLASS P

CCC

SAA

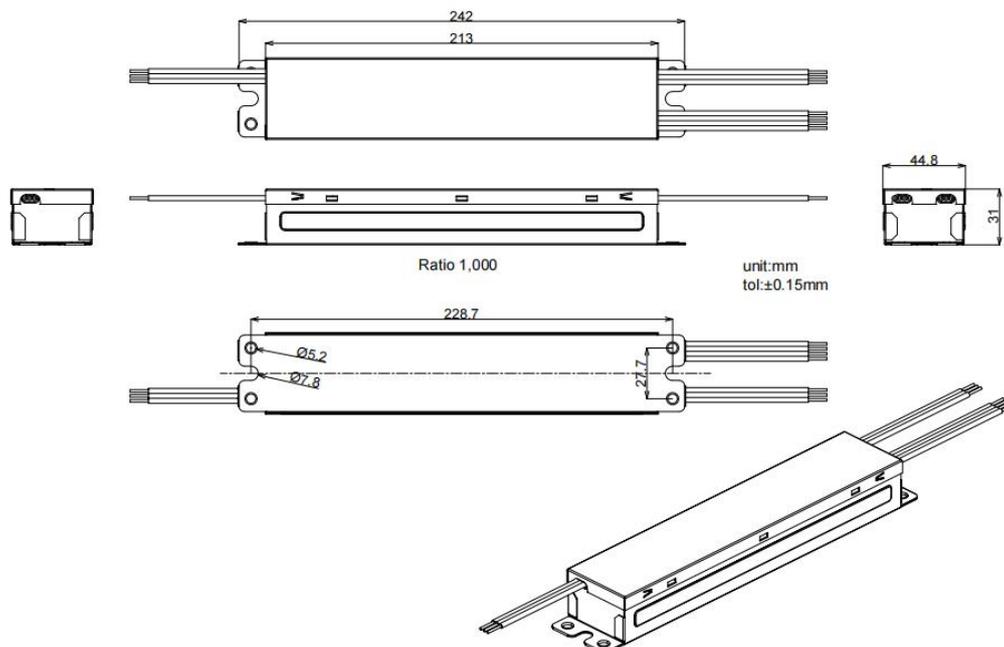
Dimensions

Housing dimensions

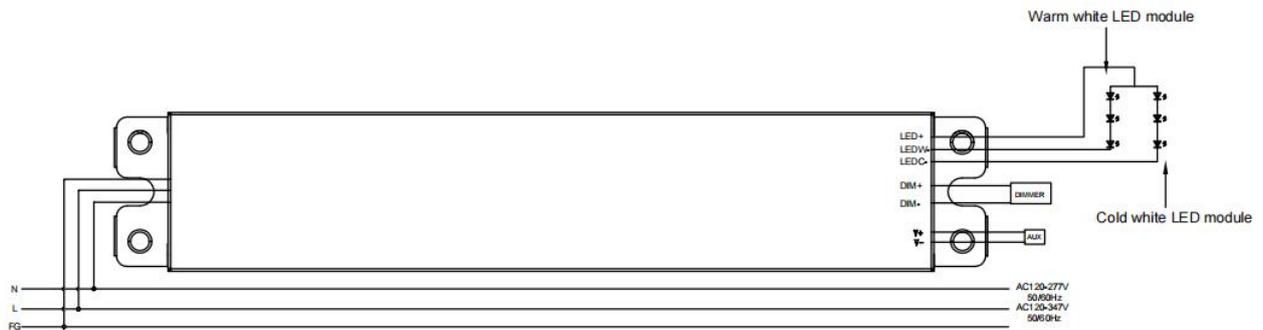
Length (L)	241.8 mm
Width (W)	44.5 mm
Height (H)	31 mm
Weight	0.581 kg

Packaging details

Packing units	24 pcs
Carton size	281 x 253 x 155 mm
Weight	14.4kg



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).
- No secondary switches are allowed.
- Incorrect wiring can damage the LED.
- The wire must be well protected against short circuit.

SWITCH DIAGRAM



Input wire	UL1015 18AWG(White and Black)
FG wire	UL1015 18AWG(Yellow with green stripes)
DIM wire	UL1015 20AWG(Violet and Pink)
Output wire	UL1015 18AWG(Red,Black and Blue)
Aux wire	UL1015 20AWG(Red and Black)

Technical information

