

ILDRCVA107

Summary

ILDRCVA107 is a constant voltage mode output LED driver. The driver supports leading edge [Triac] and trailing edge [ELV] dimmer, and can be compatible with the systems of various brands [Philips, Panasonic, Lutron, Simon, ABB, Siemens etc.] to achieve a smooth dimming effect.

Product Feature

- Single-channel constant voltage output, 8.3A Max.
- Support Leading edge [Triac] and Trailing edge [ELV] Dimmer.
- Dimming range from 40VAC to 240V AC.
- Dimming effect smooth, no flicker
- High efficiency: up to 92%.
- Over current protection; Over voltage protection; Short circuit protection; Over temperature Protection
- Suitable for indoor LED lighting application



Application

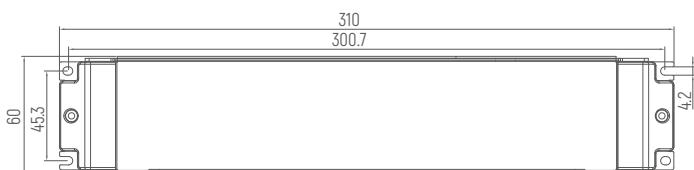


SELV

Technical Parameters

Model	ILDRCVA107	
Input	Efficiency	92%@230VAC, Full load
	Voltage	200VAC-240VAC
	Frequency	50/60Hz
	Power Factor	>0.95@230VAC, Full load
	Current	1Amax@230VAC, Full load
	Dimming voltage range	40-240VAC
	Inrush Current	Cold start, 26.2A[twidth=700us measured at 50% lpeak]@230VAC
Output	Current/Voltage/Power	8.3A/24VDC/200W
	Ripple Current	400mVp-p
	Channel	1
	Voltage Tolerance	±3%
	Turn On Delay Time	<1s, at 230Vac
Function	Dimming Mode	Triac
	Dimming Range	1-100% Dimming to off
Protection	Over temperature	Shut down and auto-restart after normal temperature
	Over current	Hiccup, recovers after fault condition is removed
	Short Circuit	Close the output, restart to recover since fault condition is removed for 10s
	Over voltage	Hiccup, recovers after fault condition is removed
Others	Working Temp.	-20°C~50°C
	Storage Temp.; Humidity	-40°C~85°C, 20-90%RH
	Tc	90°C
	Material	PC
	IP Rating	IP20
	Lifetime	30,000h@tc:90°C
	Warranty Condition	3 years
	Switch Cycle	>15,000 times
	Packing Size	Net weight: 842g±5%/PCS; 10PCS/Carton; 10.5kg±5%/Carton; Carton Size: 319*254*151mm[L*W*H]
	Dimension	310*60*45mm[L*W*H]

Dimension(mm)

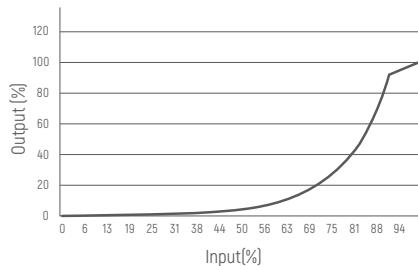


Wiring Diagram

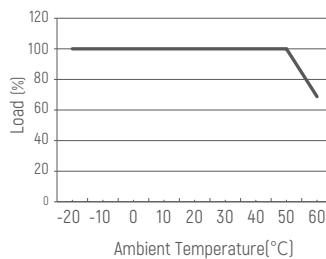
TRIAC Dimmer



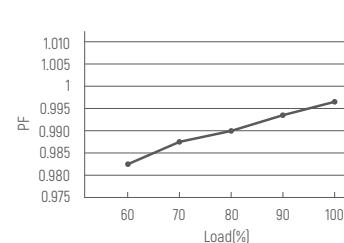
Dimming Curve



Derating Curve



PF vs Load



Cautions

- 1.The product shall be installed and serviced by a qualified person.
- 2.This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.
- 3.Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
- 4.Please check if the output voltage and current of any LED power supplies used comply with the requirement of the product.
- 5.Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
- 6.For safety consideration, PVC or rubber cord of 0.75-1.5mm² is recommended for input and output terminal(s) . Flat power cord is not suitable. Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 7.If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail. Please contact us if you have any questions.