SUNRICHER

100W Casambi Dimmable LED Driver

CASAMBI CE UK CA SELV

Important: *Read All Instructions Prior to Installation*

Function introduction

Product Data

Output	LED Channel	2 Channels
	DC Voltage	24V DC
	Max. Current	Max. 4.17A（CH1+CH2≤4.17A）
	Voltage Tolerance	±3%
	Rated Power	Max. 100W
Input	Voltage Range	220-240V AC
	Frequency Range	50/60Hz
	Power Factor (Typ.)	> 0.97 @ 230VAC
	Total Harmonic Distortion	THD ≤ 9% (@ full load / 230VAC)
	Efficiency (Typ.)	93% @ 230VAC full load
	AC Current (Typ.)	0.5A @ 230VAC
	Inrush Current (Typ.)	COLD START Max. 50.2A @ 230VAC
	Leakage Current	< 0.5mA /230VAC
	Anti Surge	L-N:2KV
Control	Dimming Interface	Casambi
	Dimming Range	0.1%-100%
	Dimming Method	Pulse Width Modulation
	Dimming Curve	Linear/Logarithmic optional
Protection	Over Voltage	Yes, remove the fault conditions and re-power the device.
	Over Load	Yes, remove the fault conditions and re-power the device.
	Short Circuit	Yes, remove the fault conditions and re-power the device.
	Over temperature	Yes, remove the fault conditions and re-power the device.

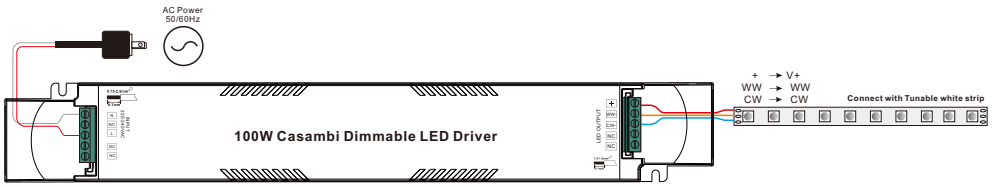
Environment	Working Temp.	-25℃ ~ +45℃
	Max. Case Temp.	85℃ (Ta=45℃)
	Working Humidity	10% ~ 95% RH non-condensing
	Storage Temp. & Humidity	-40℃ ~ +80℃, 10% ~ 95% RH
Safety & EMC	Safety Standards	IEC/EN61347-1, IEC/EN61347-2-13
	Withstand Voltage	I/P-O/P: 3.75KVAC
	Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC / 25℃ / 70% RH
	EMC Emission	En55015, EN61000-3-2 Class C, EN61000-3-3
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11, EN614547
Others	MTBF	191800H, MIL-HDBK-217F @ 230VAC full load and 25℃ ambient temperature
	Dimension	306.6*43*30mm (L*W*H)
	Warranty	5 Years

- Casambi dimmable LED driver
- Class II power supply, full isolated plastic case, built-in active PFC function
- PF > 0.97, Efficiency > 93%
- Can be controlled by both Casambi App and Casambi wall switches
- Easy commissioning with Casambi App
- On-board antenna
- Over-temperature/Over-load/ Over-voltage protection
- Waterproof grade: IP20
- 5 Years Warranty

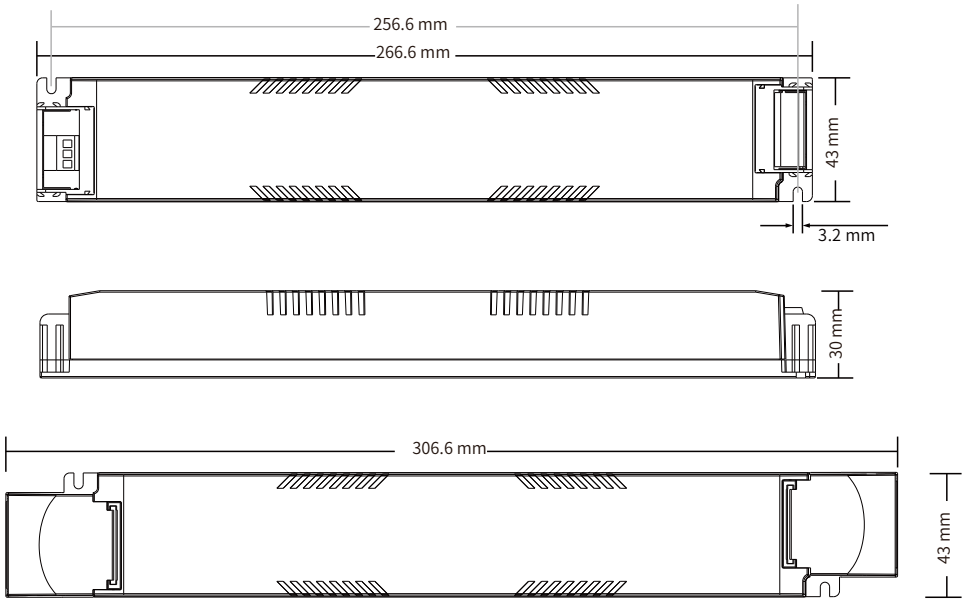
Safety & Warnings

- DO NOT install with power applied to the device.
- DO NOT expose the device to moisture.

Wiring diagram

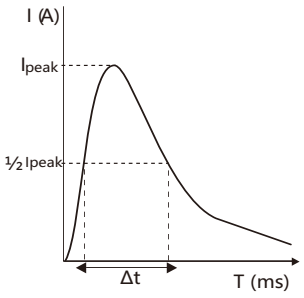


Product Dimension



MCB Load Quantity

Module Number	Ipeak	Twidth	Max.quantity of LED Driver per MCB														
			B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25
SRP-CS9105-24-100LCV	50.2A	276μs	5	6	7	9	11	8	10	12	15	19	15	20	24	30	38
SRP-CS9105-24-100LCVT	50.2A	276μs	5	6	7	9	11	8	10	12	15	19	15	20	24	30	38
SRP-CS9105-24-100LCVF	50.2A	276μs	5	6	7	9	11	8	10	12	15	19	15	20	24	30	38



Note:

1.Those MCB parameters are based on ABB S200 series circuit breakers.

2.For different brands and models of miniature circuit breakers, the quantity of drivers will have difference.

3.Please do not exceed the above-mentioned quantity during on-site installation, and the specific load quantity shall be subject to on-site installation.

4.When the installation environment temperature of MCBs exceeds 30°C or when multiple MCBs are installed side by side, the number of mounted drives will be reduced, which requires recalculation.

5.Type C MCB's are strongly recommended to use with LED lighting