

100W Casambi Dimmable LED Driver



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
Control	Anti Surge	L-N:2KV
	Dimming Interface	Casambi
	Dimming Range	0.1%-100%
	Dimming Method	Pulse Width Modulation
Protection	Dimming Curve	Linear/Logarithmic optional
	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.

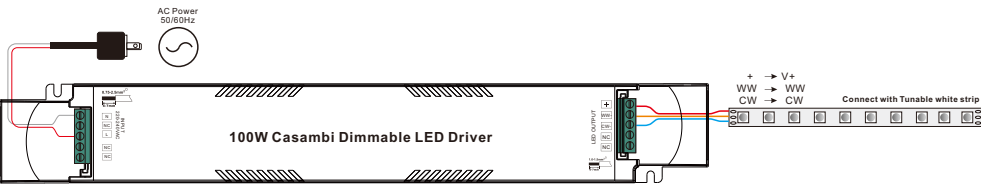
Environment	Working Temp.	-25°C ~ +45°C
	Max. Case Temp.	85°C (Ta=45°C)
	Working Humidity	10% ~ 95% RH non-condensing
	Storage Temp. & Humidity	-40°C ~ +80°C, 10% ~ 95% RH
Safety & EMC	Safety Standards	IEC/EN61347-1, IEC/EN61347-2-13
	Withstand Voltage	I/P-O/P: 3.75KVAC
	Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC / 25°C / 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°C 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

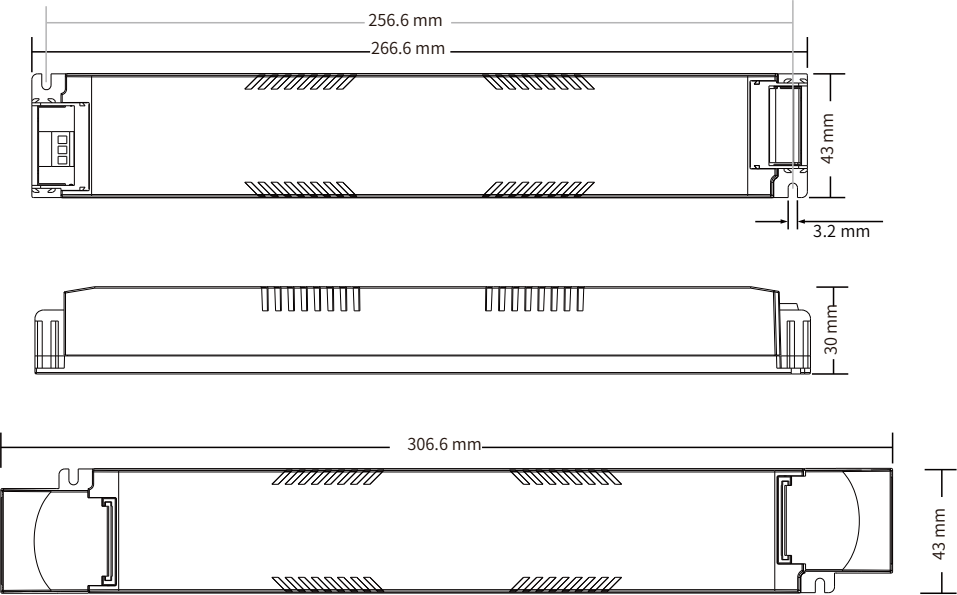
Safety & Warnings

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

Wiring diagram

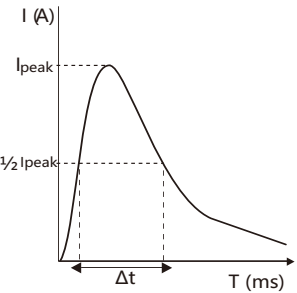


Product Dimension



MCB Load Quantity

Module Number	I _{peak}	T _{width}	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