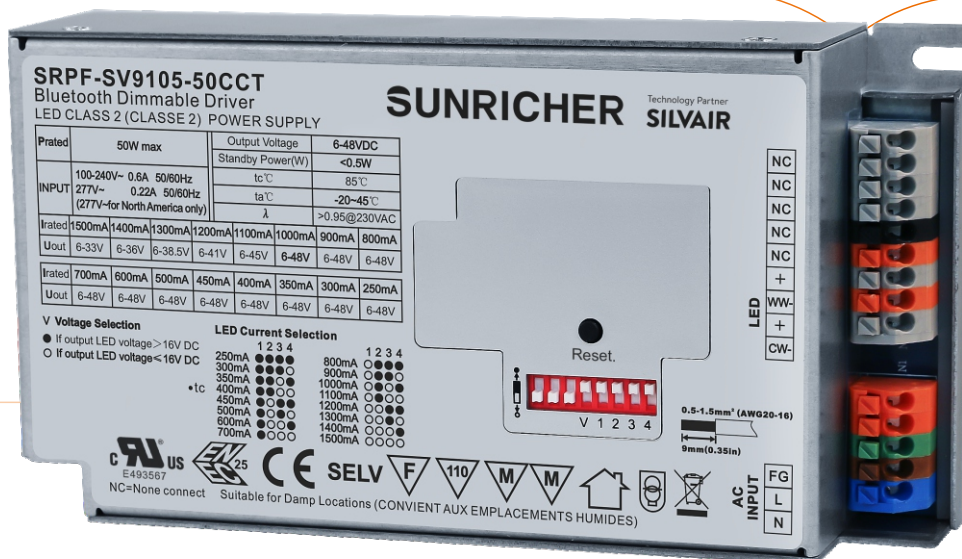


SUNRICHER

Bluetooth 50W CC CCT Driver



Product Datasheet

Please read all instructions before installation

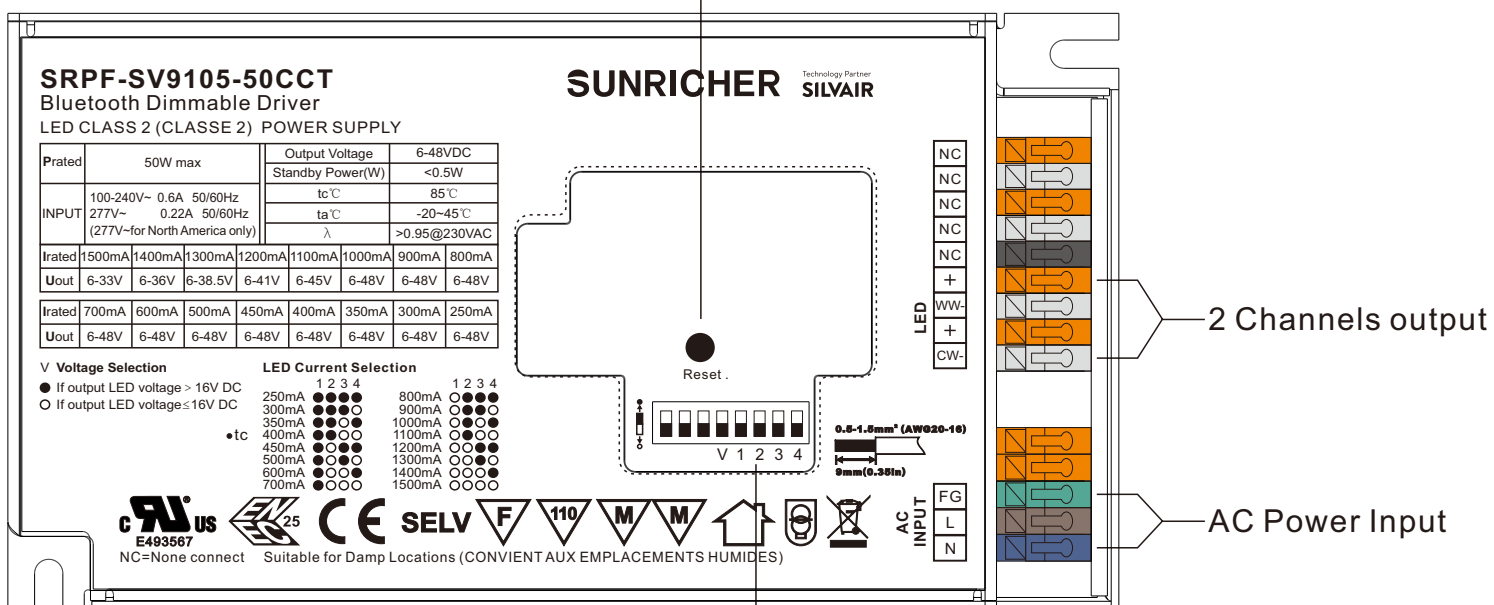


Features

- Bluetooth® mesh dimmable LED driver, 2 channel constant current, supporting dimming and tunable white function
- The output current level can be selected from 250mA to 1500mA by DIP switches
- Class 2 power supply, full isolated metal case, built-in active PFC function
- PF > 0.95, Efficiency > 86%, standby power < 0.5W
- Controlled through “Silvair mobile app” , easy and quick paring
- Mesh network, which has much longer control distance, transmits received signals to neighboring devices
- Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDb
- In typical indoor environment, the typical range for wireless communication is 20m to 25m . Actual range is dependent on field installation.
- On-board antenna
- Over-temperature/Over-load/ Over-voltage protection.
- Waterproof grade: IP20
- 5 Years Warranty

Product info

Reset Key: Press it to help withdraw the device from internet/APP
LED flashes quickly indicates success.



Dips to set the operation voltage/current

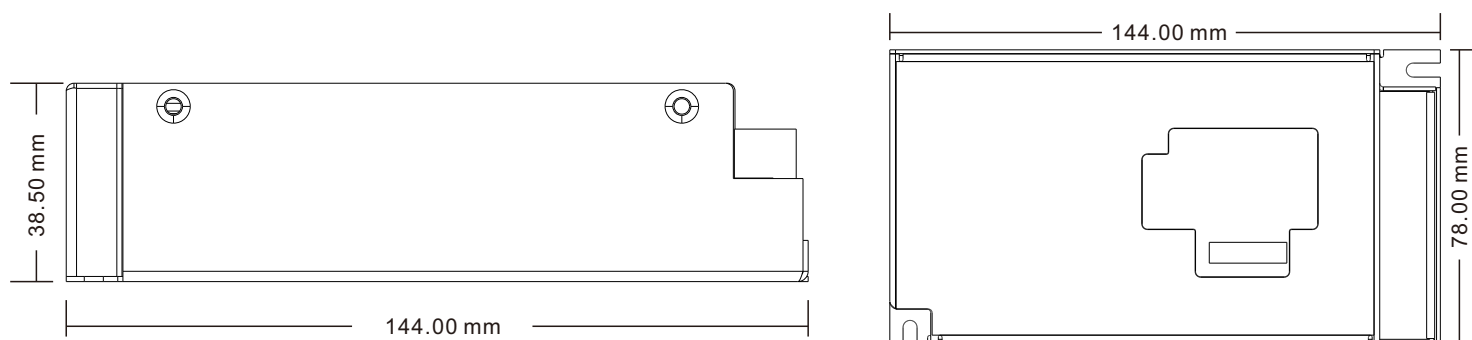
Specification

Output	LED Channel	2							
	Selectable Current	250mA	300mA	350mA	400mA	450mA	500mA	600mA	700mA
	DC Voltage Range	6-48V	6-48V	6-48V	6-48V	6-48V	6-48V	6-48V	6-48V
	Selectable Current	800mA	900mA	1000mA	1100mA	1200mA	1300mA	1400mA	1500mA
	DC Voltage Range	6-48V	6-48V	6-48V	6-45V	6-41V	6-38.5V	6-36V	6-33V
	Current Tolerance	$\pm 3\%$							
	Rated Power	50W max.							
Input	Voltage Range	100-277V AC							
	Frequency Range	50/60Hz							
	Power Factor (Typ.)	$> 0.98 @ 100VAC, > 0.95 @ 230VAC$							
	Total Harmonic Distortion	$THD \leq 15\% (@ \text{full load} / 230VAC)$							
	Efficiency (Typ.)	86% @ 230VAC full load							
	AC Current (Typ.)	0.6A @ 100VAC, 0.26A @ 230VAC, 0.22A @ 277VAC							
	Inrush Current (Typ.)	COLD START 2A max. at 230VAC							
	Leakage Current	$< 0.5mA / 230VAC$							
	Standby Power Consumption	$< 0.5W$							
Control	Dimming Interface	Bluetooth mesh							
	Dimming Range	0.1%-100%							
	Dimming Method	Pulse Width Modulation							

Specification

Protection	Short Circuit	Yes, recovers automatically after fault condition is removed
	Over Voltage	Yes, recovers automatically after fault condition is removed
	Over Temperature	Yes, recovers automatically after temperature drop
Environment	Working Temp.	-20°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	UL8750, CAN/CSA C22.2 No. 250.13-14, ENEC EN61347-1, EN61347-2-13 approved
	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, EN61000-3-3
	EMC Immunity	EN61547, EN61000-4-2,3,4,5,6,8,11, surge immunity Line-Line 1KV
Others	MTBF	188700H, MIL-HDBK-217F @ 230VAC at full load and 25 ambient temperature
	Dimension	144x78x38.5mm (L*W*H)

Dimension



Warning

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

Operation

- Do wiring according to connection diagram
- Kindly refer "**Silvair commissioning User Manual**" to go further pairing, grouping, scene settings
- Press and hold down the "**Reset**" button on the controller over 5 seconds until the indicator flashes , which means it has been reset.

Wiring

