

100W BLE Dimmable LED Driver



Important: Read All Instructions Prior to Installation

Function introduction



Product Data

Output	LED Channel	2 Channel
	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.)	0.47A @ 230VAC
	Inrush Current (Typ.)	COLD START Max. 32A @ 230VAC
	Leakage Current	< 0.5mA /230VAC
	Standby Power Consumption	< 0.5W
Control	Anti Surge	L-N:2KV
	Dimming Interface	Bluetooth
	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.

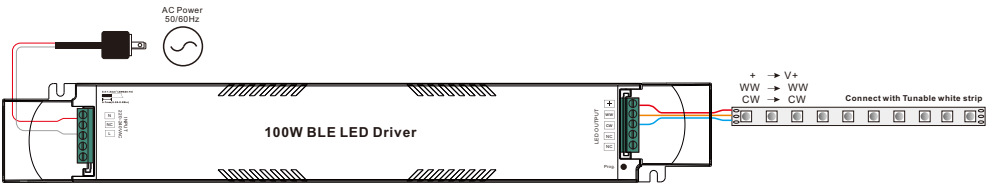
Environment	Working Temp.	-25°C ~ +45°C
	Max. Case Temp.	85°C (Ta= "45°C")
	Working Humidity	10% ~ 95% RH non-condensing
	Storage Temp. & Humidity	-40°C ~ +80°C, 10% ~ 95% RH
Safety & EMC	Safety Standards	IEC/EN61347-1, IEC/EN61347-2-13
	Withstand Voltage	I/P-O/P: 3.75KVAC
	Isolation Resistance	I/P-O/P: 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	191500H, MIL-HDBK-217F @ 230VAC full load and 25°C ambient temperature
	Dimension	306.6*43*30mm (L*W*H)
	Warranty	5 Years

- Bluetooth® mesh dimmable LED driver
- Class II power supply, full isolated plastic case, built-in active PFC function
- PF > 0.97, Efficiency > 93%, 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

Safety & Warnings

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

Wiring diagram



Product Dimension

