

TRONIX

50W RF LED Driver (Constant current)



Important: Read All Instructions Prior to Installation

Function introduction



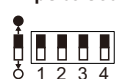
AC 200-240V input

Product Data

Output	LED Channel	2							
	Selectable Current	250mA	300mA	350mA	400mA	450mA	500mA	550mA	600mA
	DC Voltage Range	8-52V	8-52V	8-52V	8-52V	8-52V	8-52V	8-52V	8-52V
	Selectable Current	650mA	700mA	750mA	800mA	850mA	900mA	950mA	1000mA
	DC Voltage Range	8-52V	8-52V	8-52V	8-52V	8-52V	8-52V	8-52V	8-50V
	Current Tolerance	±5%							
Input	Rated Power	Max. 50W							
	Voltage Range	200-240V AC							
	Frequency Range	50/60Hz							
	Power Factor (Typ.)	> 0.97							
	Total Harmonic Distortion	THD ≤ 8% (@ full load / 230VAC)							
	Efficiency (Typ.)	87% @ 230VAC full load							
	AC Current (Typ.)	0.27A @ 230VAC							
	Inrush Current (Typ.)	COLD START Max. 8A at 230VAC							
Control	Leakage Current	< 0.5mA /230VAC							
	Dimming Interface	RF (869.5/916.5mhz)							
	Dimming Range	0.1%-100%							
	Dimming Method	Hybrid Comfy Dimming							
Dimming Curve	Logarithmic/Linear								

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 fault condition is removed
Environment	Working Temp.	-20°C ~ +45°C
	Max. Case Temp.	75°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	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
Others	MTBF	191300H, MIL-HDBK-217F @ 230VAC at full load and 25 ambient temperature
	Dimension	210*50*32mm (L*W*H)

Dips to set the operation current



	1	2	3	4		1	2	3	4
250mA	○	○	○	○		●	○	○	○
300mA	○	○	○	●		●	○	○	○
350mA	○	○	●	○		●	○	○	○
400mA	○	○	●	●		●	○	○	○
450mA	○	●	○	○		●	○	○	○
500mA	○	●	○	●		●	○	○	○
550mA	○	●	○	○		●	○	○	○
600mA	○	●	○	●		●	○	○	○
650mA	○	○	○	○		●	○	○	○
700mA	○	○	○	●		●	○	○	○
750mA	○	○	○	○		●	○	○	○
800mA	○	○	○	○		●	○	○	○
850mA	○	○	○	○		●	○	○	○
900mA	○	○	○	○		●	○	○	○
950mA	○	○	○	○		●	○	○	○
1000mA	○	○	○	○		●	○	○	○

- Dimmable LED driver with RF control
- Hybrid comfy dimming method, smooth and deep dimming to 0.1%, flicker free
- 2 channels constant current output, max. output power 50W
- Output current 250mA-1000mA selectable by dip switches
- Standby power consumption less than 0.5W
- Class 2 power supply, full isolated plastic case
- High power factor and efficiency
- On/OFF, dim single color LED, and tunable white control
- Compatible with a variety of single color RF remotes
- IP20 rating, suitable for indoor LED lighting applications
- Radio Frequency : 869.5/916.5mhz
- 5 years warranty

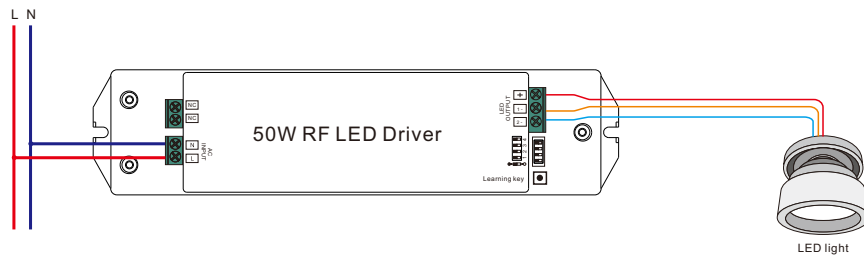
Safety & Warnings

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

Pair/delete the pairing with RF remote

1. Do wiring according to connection diagram.
2. Pair RF Receiver with RF remote: please refer to the instruction of the remote that you would like to pair with.
3. Delete the pairing:
 - (1) Wire up the RF receiver correctly, power on.
 - (2) Press and hold down the " **Learning Key**" button on receiver for over 3 seconds until the connected light flashes, which means well deleted.

Wiring Diagram



Product Dimension

