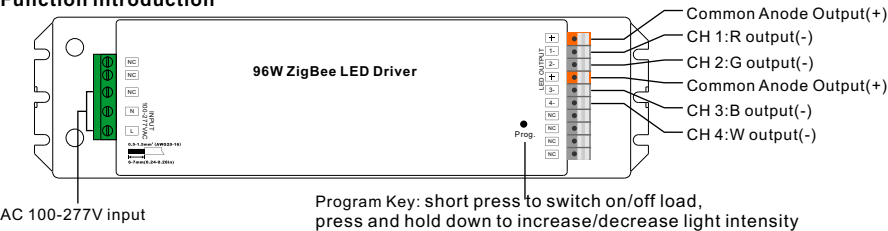


96W ZigBee LED Driver(constant voltage)

09.96ZG.04763



Important: Read All Instructions Prior to Installation
Function introduction



Note: W channel can only be controlled through color temperature control command since Zigbee only has tunable white control. Color temperature control will mix RGB channels as 1 channel white and then make color tuning with the 4th channel white.

Product Data

Output	LED Channel	4
	DC Voltage	24V DC
	Max. Current	Max. 4A/CH, CH1+CH2+CH3+CH4=4A
	Voltage Tolerance	± 1%
	Rated Power	max. 96W
Input	Voltage Range	100-277V AC
	Frequency Range	50/60Hz
	Power Factor (Typ.)	> 0.90 @ 230VAC
	Total Harmonic Distortion	THD ≤ 15% (@ full load / 230VAC)
	Efficiency (Typ.)	90% @ 230VAC full load
	AC Current (Typ.)	1.2A @ 100VAC, 0.5A @ 230VAC
	Inrush Current (Typ.)	Cold Start Max. 50A @ 230VAC
Control	Leakage Current	< 0.5mA /230VAC
	Dimming Interface	ZigBee
	Dimming Range	0%-100%
Protection	Dimming Method	Pulse Width Modulation
	Short Circuit	Yes, recovers automatically after fault condition is removed
	Over Current	Yes, recovers automatically after fault condition is removed
	Over Temperature	Yes, recovers automatically after fault condition is removed

Environment	Working Temp.	-20°C ~ +50°C
	Max. Case Temp.	75°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, 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
Others	EMC Immunity	EN61547, EN61000-4-2,3,4,5,6,8,11, surge immunity Line-Line 1KV
	MTBF	193.6K hrs min. @ 230VAC full load and 25°C ambient temperature
Others	Dimension	244*64*32mm (L*W*H)

- Dimmable LED driver with plastic case, ZigBee RGBW LED light device based on ZigBee 3.0 protocol
- 4 channels 24VDC constant voltage output
- Class II power supply, full isolated design
- Built-in two-stage active PFC function, PF > 0.90, Efficiency > 90%
- Compliant with Safety Extra Low Voltage standard
- Short circuit, over load, over temperature protection
- Enables to control ON/OFF, light intensity and RGB color, W channel can only be controlled through color temperature control command
- Color temperature control will mix RGB channels as 1 channel white and then make color tuning with the 4th channel white
- ZigBee end device that supports Touchlink commissioning
- Can directly pair to a compatible ZigBee remote via Touchlink
- Supports zigbee green power and can bind max. 20 zigbee green power remotes
- Compatible with universal ZigBee coordinator or gateway products
- IP20 rating, suitable for indoor LED lighting applications
- 5 years warranty

Safety & Warnings

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

Wiring Diagram

