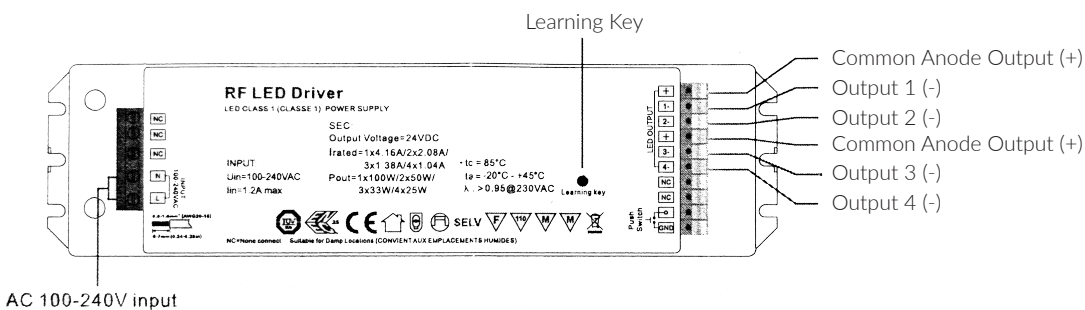


100W RF Dimmable LED Driver



Important: Read All Instructions Prior to Installation

Function introduction



Product Data

Output	LED Channel	4
	DC Voltage	24V DC
	Max. Current	Max. 4.1A/ch, ch1+ch2+ch3+ch4=8.4A
	Voltage Tolerance	±1%
	Rated Power	max. 200W
	Voltage Range	100-277V AC
	Frequency Range	50/60Hz
Input	Power Factor (Typ.)	> 0.98 @ 230VAC
	Total Harmonic Distortion	THD ≤ 15% (@ full load / 230VAC)
	Efficiency (Typ.)	93% @ 230VAC full load
	AC Current (Typ.)	2.3A @ 100VAC, 1A @ 230VAC, 0.9A@277VAC
	Inrush Current (Typ.)	COLD START Max. 65A at 230VAC
	Leakage Current	< 0.5mA /230VAC
	Standby Power Consumption	< 1W
Control	Dimming Interface	RF Wireless
	Dimming Range	0.1%-100%
	Dimming Method	Pulse Width Modulation

Protection	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 ~ +45°C
	Max. Case Temp.	85°C
	Working Humidity	10% ~ 95% RH non-condensing
	Storage Temp. & Humidity	-40°C ~ +80°C, 10% ~ 95% RH
Safety Standards	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
Safety & EMC	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	185900H, MIL-HDBK-217F @ 230VAC at full load and 25°C ambient temperature

- 230V mains voltage input, no external power supply required. 24V Constant Voltage output, compatible with most 24V CV LEDs
- 100W total output power (For individual channel power ratings, refer to the user manual)
- RF controlled with excellent range
- Manual Control typically complemented with an L5x or independently wired L2x (Do NOT wire this product in circuit with a smart dimmer!)
- DC Dimming with flicker free 750Hz refresh rate
- Most common LED types supported (White, RGB, RGBW and CCT Tunable Colour Temperature)
- Energy monitoring
- Dimming Profile adjustment
- Dynamic output assignment at RF pairing for easy installation
- Over current and over temperature protection
- Two-stage Active Power Factor Correction (PF > 0.98)
- High efficiency, 93% @ full load
- Low stand-by power, less than 1W
- Outputs are Safety Extra Low Voltage (SELV) compliant
- IP20 rating
- 5 year warranty
- Voice-control compatibility with Amazon Alexa, Google Assistant & Siri through the Apple HomeKit platform*
- Create timers, scenes, triggers and other automations
- *Lightwave Link Plus and WiFi router with broadband internet connection required

Safety & Warnings

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

100W RF Dimmable LED Driver



Linking

To be able to command the LED Driver, you will need to link it to the Link Plus. Follow the in-app instructions which will explain how to link devices. On the LED Driver, press and hold down the 'Learning' button until the LED flashes blue and red alternately then release it. The LED Driver is now in linking mode. Using the App, press the button to link to the device (the App instructions will guide you through this). The indicator on the LED Driver will flash to confirm that it is now linked.

Unlinking the LED Driver (clear memory)

To unlink the LED Driver, enter linking mode by holding down the 'Learning' button until the LED flashes red. Release the button, then hold it for a second time until the LED flashes red to confirm that the memory has been cleared.

Firmware updates

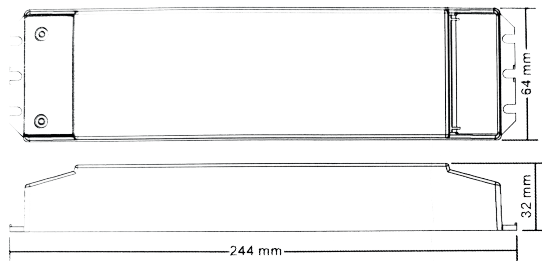
Firmware updates are over-the-air software improvements that keep your device up to date as well as providing new features. Updates can be approved from the App before being implemented, and generally take 2-5 minutes. The LED will flash cyan in colour during an update. Please do not interrupt the process during this time.

Error reporting

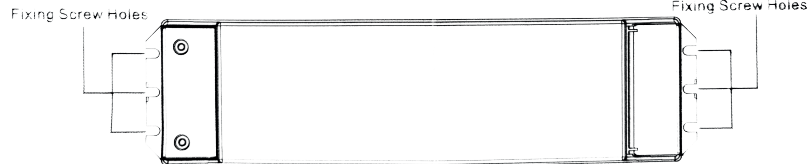
A permanently flashing red LED indicates that a software or hardware error has been encountered. Press the main button to reset the device. If the error light persists, please contact Lightwave support via www.lightwaverf.com/support.

Product Dimensions

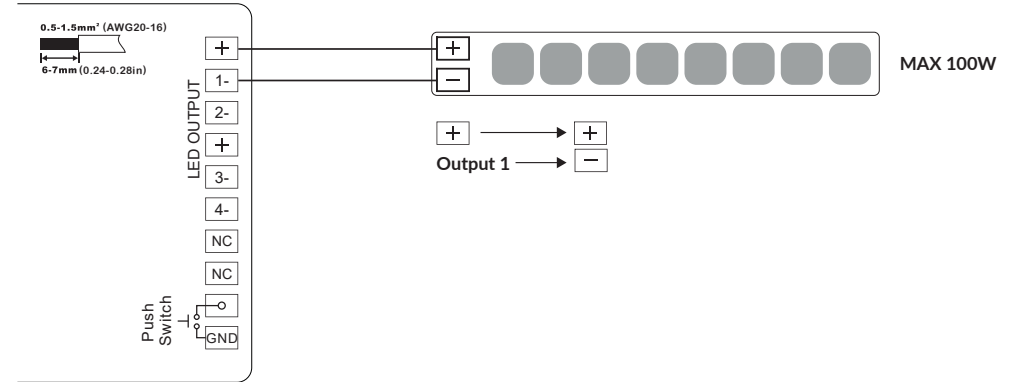
Note: when mounting the driver, please choose any one of the three fixing screw holes to fix with a screw at each end.



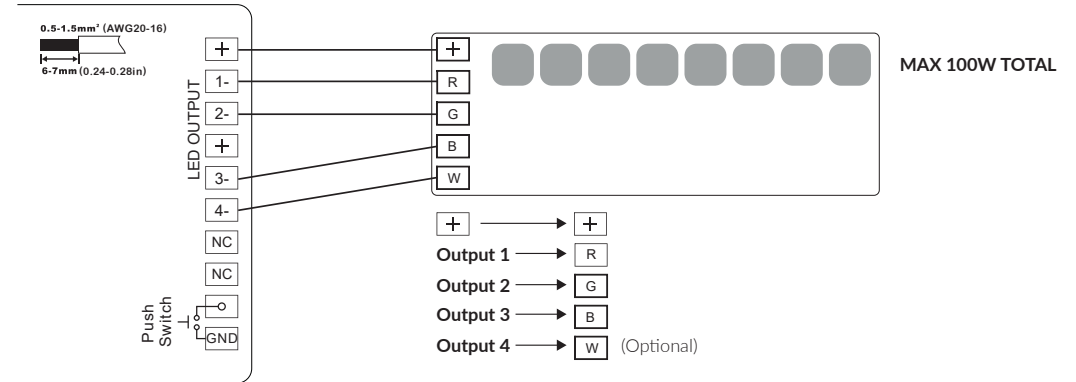
Installation



LP84 V24 W100
White LEDs



LP84 V24 W100
RGB(W) LEDs



LP84 V24 W100
White LEDs

