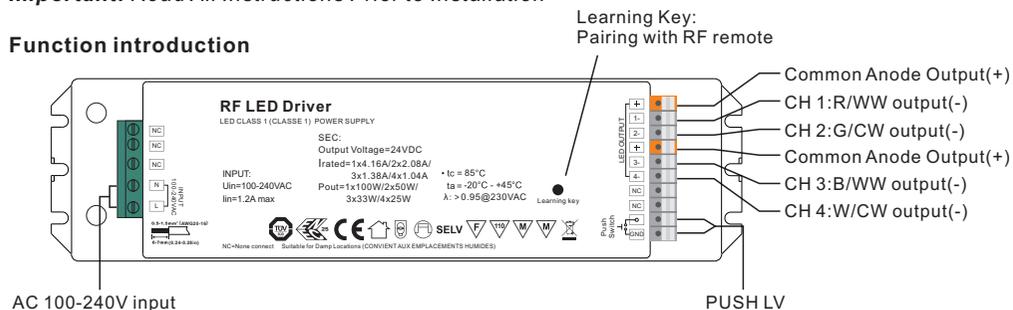# Wireless 100W RF LED driver 24 DCV
(VaLO-Driver-24V-100W)

Important: Read All Instructions Prior to Installation

Function introduction

Learning Key:
Pairing with RF remote

Common Anode Output(+)
CH 1:R/WW output(-)
CH 2:G/CW output(-)
Common Anode Output(+)
CH 3:B/WW output(-)
CH 4:W/CW output(-)

AC 100-240V input

PUSH LV

Product Data

Output	LED Channel	4
	DC Voltage	24V DC
	Max. Current	Max. 4.16A/CH, CH1+CH2+CH3+CH4=4.16A
	Voltage Tolerance	±1%
	Rated Power	max. 100W
Input	Voltage Range	100-240V 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 at 230VAC
	Leakage Current	< 0.5mA /230VAC
Control	Dimming Interface	RF Wireless/PUSH LV
	Dimming Range	0%-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℃ ~ +45℃
	Max. Case Temp.	85℃
	Working Humidity	10% ~ 95% RH non-condensing
	Storage Temp. & Humidity	-40℃ ~ +80℃, 10% ~ 95% RH
Safety & EMC	Safety Standards	TUV EN61347-1, EN61347-2-13
	Withstand Voltage	I/P-O/P: 3.75KVAC
	Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC / 25℃ / 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	193.6K hrs min. @ 230VAC full load and 25℃ ambient temperature
	Dimension	244*64*32mm (L*W*H)

- Dimmable LED driver with RF control
- Max. output power 100W total
- 4 channels 24VDC constant voltage output
- Class 1 power supply, full isolated plastic case
- High power factor and efficiency
- To control single color, dual color, RGB/RGBW LED lighting
- Compatible with a variety of RF remotes
- Push dim function available while connected with a push switch
- IP20 rating
- Suitable for indoor LED lighting applications
- Radio Frequency : 868/869.5/916.5/434mhz
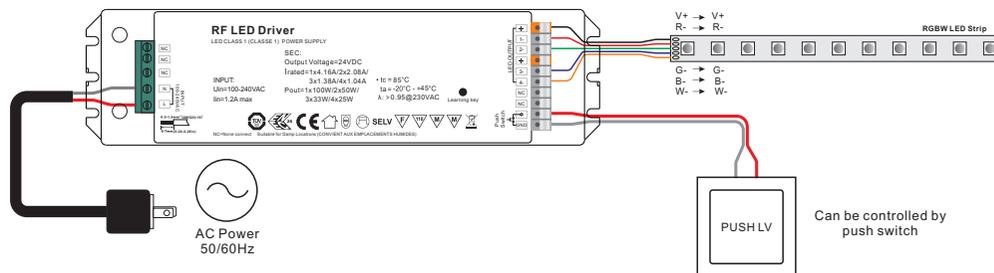- 5 years warranty

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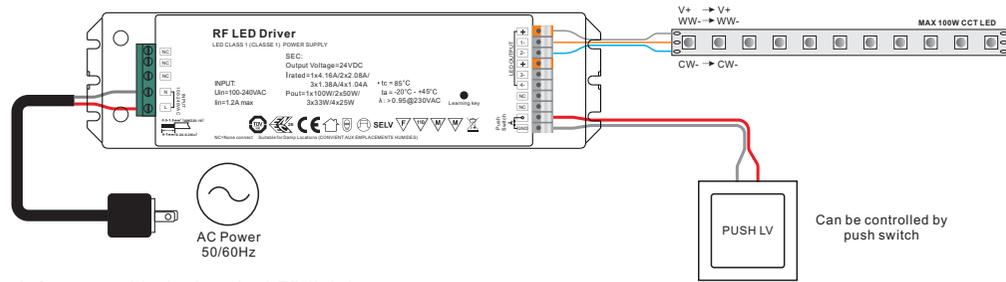
- DO NOT install with power applied to device.
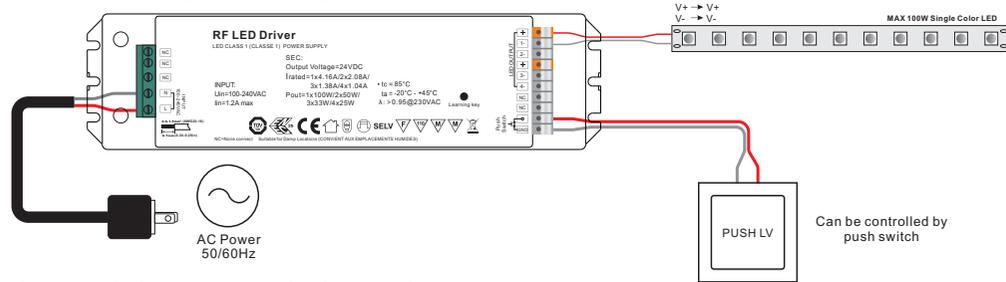- DO NOT expose the device to moisture.

Wiring Diagram

1.Connect with RGBW LED lighting

V+ → V+
R- → R-
G- → G-
B- → B-
W- → W-

RGBW LED Strip

AC Power
50/60Hz

PUSH LV

Can be controlled by
push switch

2.Connect with CCT LED lighting
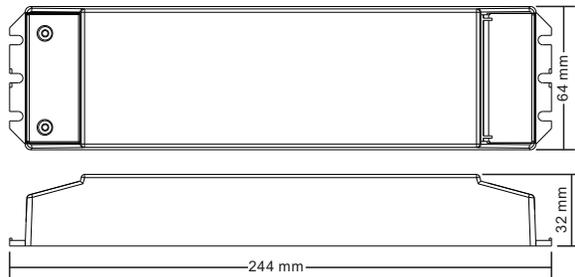

3.Connect with single color LED lighting

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.
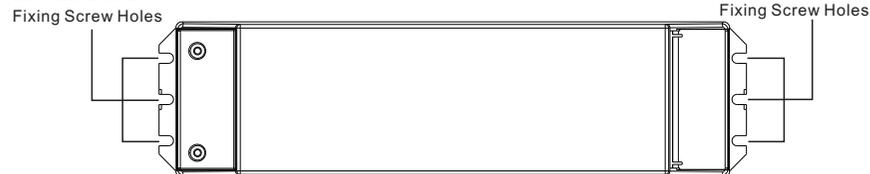
PUSH DIM:

While connected with PUSH LV, click the button to switch ON/OFF lights. Press and hold down the button to increase/decrease light intensity.

Product Dimension

Installation

Fixing Screw Holes   Fixing Screw Holes

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

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(VaLO-Driver-24V-100W)

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