

# 200W RF LED Driver(Constant Voltage)

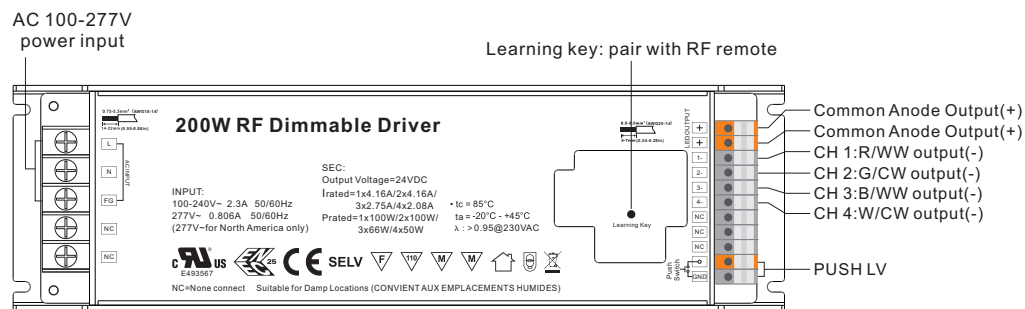
# CDDR200RF



collingwood

**Important:** Read All Instructions Prior to Installation

## Function introduction



## Product Data

Output	LED Channel	4	
	DC Voltage	12V DC	24V DC
	Max. Current	Max. 8.3A/ch, ch1+ch2+ch3+ch4=16.6A	Max. 4.1A/ch, ch1+ch2+ch3+ch4=8.4A
	Voltage Tolerance	± 1%	
	Rated Power	max. 200W	
Input	Voltage Range	100-277V AC	
	Frequency Range	50/60Hz	
	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	
Control	Standby Power Consumption	< 1W	
	Dimming Interface	RF Wireless/PUSH LV	
	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 & 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
	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

- Rectangle shape with metal case
- 4 channels 12/24VDC constant voltage output
- Class 1 power supply, full isolated metal case
- PF > 0.98, Efficiency > 93%
- Built-in two-stage active PFC function
- Low standby power
- Built-in RF wireless/PUSH LV dimming interface, radio frequency: 868/869.5/916.5/434mhz
- Compliant with Safety Extra Low Voltage standard
- Over load, over temperature protection
- Can be compatible with a variety of RF remote controls
- Can be WiFi controlled via APP installed on IOS and Android systems
- IP20 rating, suitable for indoor LED lighting applications
- 5 years warranty

## Safety & Warnings

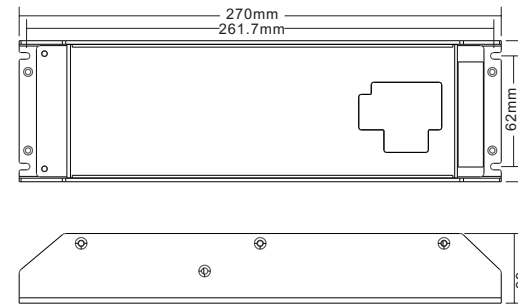
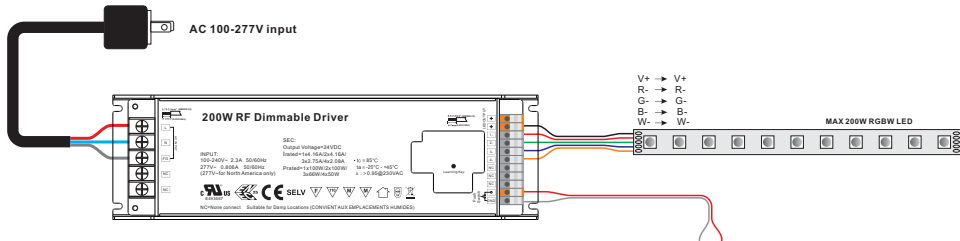
- DO NOT install with power applied to the device.
- DO NOT expose the device to moisture.

## Pair/delete the pairing with RF remote

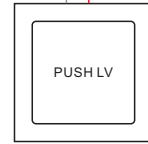
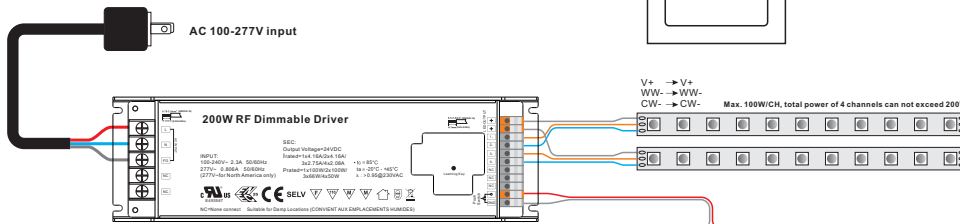
1. Do wiring according to connection diagram.
2. Pair RF Receiver with RF remote: please refer to the instruction of the remote that you would like to pair with.
3. Delete the pairing:
  - (1) Wire up the RF receiver correctly, power on.
  - (2) Press and hold down the “ **Learning Key** ” button on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

## Wiring diagram

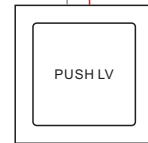
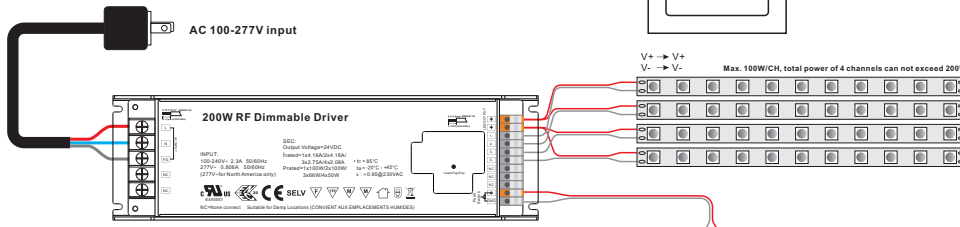
### 1.If Connect with RGBW LED Strip



### 2.If Connect with Dual Color LED Strip

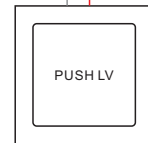


### 3.If Connect with Single Color LED Strip



### 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

