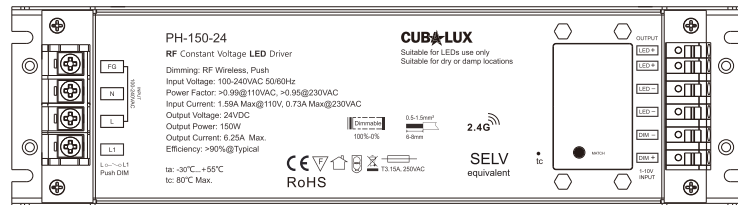




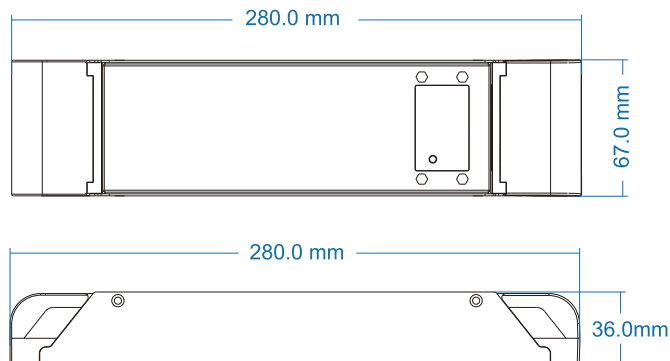
Constant Voltage led driver 150 Watt dimmable 0/1-10V, RF, Push button



Features

- Dimming interface: RF Wireless, 0-10V, 1-10V, 10V PWM, Resistor, AC Push-Dim
- Match with Simlicity 2.4G single color remote control, one RF LED driver accepts up to 10 remote controls
- Universal AC input / Full range
- 1 channel constant voltage output, Max. total output power 150W
- Built-in active PFC function: >0.95
- Auto-transmitting function: LED driver automatically transmit signal to another LED driver with 30m control distance
- Over-heat / Over-load / Short circuit protection, recover automatically
- Suitable for indoor LED lighting application
- 5 Year, 50,000hr warranty

Dimensions



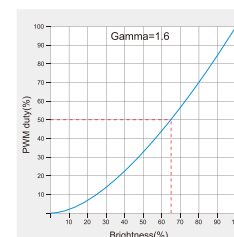
Applications

- Suitable indoor LED strip lighting applications.
- Office / Commercial / Domestic Lighting, Hotels, Retail.
- Use for retrofit upgrades & new led light applications.

Technical specifications

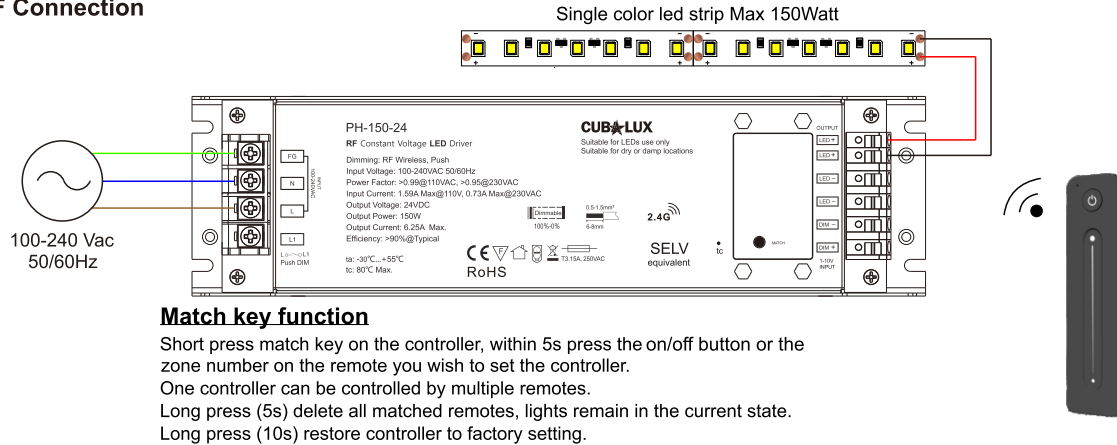
Model		PS-75-12	PS-75-24
Output	Output Voltage	12VDC	24VDC
	Output Current	Max. 12.5A	Max. 6.25A
	Output Power	Max. 150W	
	Dimming Range	0 ~ 100%	
	Ripple & Noise	<=150mV / 240VAC	
	PWM Frequency	500Hz	
	Rise Time	500ms/115VAC, 424ms/230VAC	
Input	Hold Time	3.6ms/115VAC, 4.5ms/230VAC	
	Input Voltage Range	100VAC ~ 240VAC	
	Frequency Range	50/60Hz	
	Efficiency	92% / 230VAC	
	Alternating Current	1.59A / 110VAC, 0.73A / 240VAC	
	PowerFactor	>0.99 / 110VAC, >0.95 / 230VAC	
	Inrush Current	Cold start 27.5A at 240VAC	
	Leakage Current	< 5mA	
Protection	No Load Power	2W / 110VAC/230VAC	
	Over Load Power	Shut down the output when the current load>=120%~150%, auto recovers	
	Short Circuit	Shut down automatically if short circuit occurs, auto recovers	
Environment	Over Temperature	Intelligently adjust or turn off the output current if PCB temp >100°C, auto recovers	
	Working Temperature	-30°C ~ 50°C	
	T-case Max	70°C	
	Working Humidity	20% ~ 90%RH, non-condensing	
	Storage Temperature/Humidity	-40°C ~ 80°C, 10% ~ 95%RH	
	Temperature Coefficient	± 0.03%/°C (0-50%)	
	Vibration Resistance	10-500Hz, 2G, 6min/cycle, X,Y,Z axes/2min	
Safety&EMC	IP Rating	IP20	
	Security Specifications	IEC/EN61347-1, IEC/EN61347-2-13	
	Withstand Voltage	I/P-O/P: 3750VAC	
	Insulation Resistance	I/P-O/P: 100MQ/500VDC/25°C/70%RH	
	EMC Emission	EN55015, EN61000-3-2 Class C, IEC61000-3-3	
	EMC Immunity	EN61000-4-2.3.4.5.6.8.11, EN61547	
	Certications	CE, EMC	

Dimming Curve

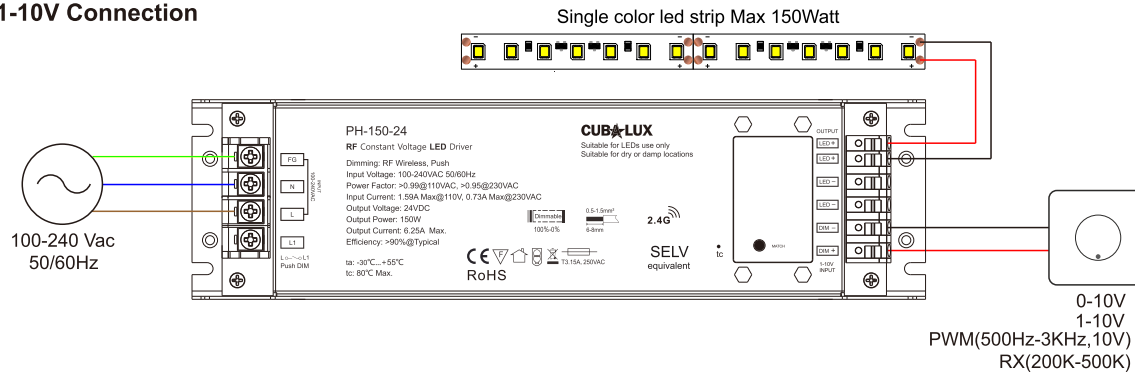


Wiring Diagrams

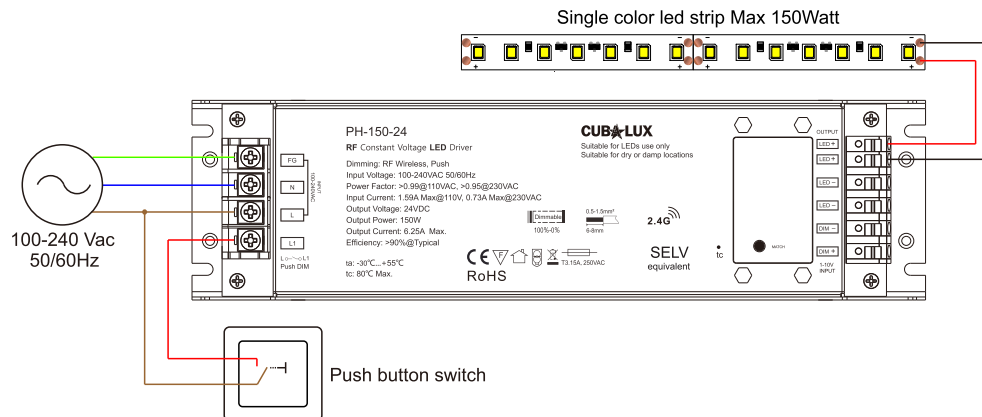
1. RF Connection



2. 0/1-10V Connection



3. AC Push-Dim connection



- Auto-transmitting: One driver can transmit the signals from the remote to another driver within 30m, as long as there is a driver within 30m, the remote control distance can be limitless.
- Auto-synchronization: Multiple drivers within 30m distance can work synchronously when they are controlled by the same remote.
- Metals and strong signal sources such as WiFi routers and microwave ovens will affect the range. We recommend in that case the distance between the drivers does not exceed 15m.

- The 0/1-10V input is operable via commercially 0/1-10V wall switches.
- Compliant with 0-10V, 1-10V, 10V PWM, RX(4 in 1).
- We recommend the number of LED drivers connected to 0/1-10V dimmer does not exceed 5 pieces.
- Maximum length of the wires from dimmer to LED driver should be no more than 15 meters.

- **Push button function**
- Short press: Turn on /off light.
- Long press (1-6s): When light is on, adjust brightness
- Long press (>10s) Synchronization : If more than one LED driver are connected to the same push button switch, do a long press for more than 10s, then the system is synchronized and all lights in the group dim up to 100%.

We recommend the number of LED drivers connected to a push switch does not exceed 25 pieces. The maximum length of the wires from push to LED driver should be no more than 20 meters.

Dimming memory: Light returns to the previous dimming level when switched off and on again, even at power failure.