LTECH

RF

LED Intelligent Driver

60W   350-1400mA   10-54Vdc

- Dimming interface: RF
- Dimming range: 0~100%, LED start at 0.1% possible.
- Multi-current & wide voltage, suitable for different power LED.
- Power factor > 0.99, Efficiency > 88%.
- Short circuit / Over-temperature / Over load protection, recover automatically.
- Class 2 power supply. Full protective plastic housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for internal lights application for Ⅰ/Ⅱ/Ⅲ.

Dimmable:
0.1%-100%

SELV   □   ⊕   ⊘   CE   RoHS   🗑

RF	PWM Digital Dimming	PF >0.99	>88% Efficiency	Over-heat Protection	Short Circuit Protection	Over Load Protection	ON 1 2 3 Multiple Current

Main characteristics

Wireless Signal:	RF 2.4GHz
Input Voltage Range:	100-240Vac ±10%, 140-340Vdc ±10%
Frequency:	0/50/60Hz
Input Current:	115Vac≤0.7A, 230Vac≤0.4A
Power Factor:	PF>0.99/115Vac, PF>0.95/230Vac, at full load
THD:	≤15% at 115Vac, ≤20% at 230Vac, at full load
Efficiency(typ.):	88%
Inrush Current(typ.):	Cold start 40A at 230Vac
Control Surge Capability:	L-N: 1kV
Leakage Current:	<0.5mA/230Vac
Operating Voltage:	10-54Vdc

Output Power Range:	(3.5-60)W, 2CH
Current Accuracy:	±5%
Max. Output Voltage:	58Vdc
PWM Frequency:	200Hz-500Hz
Dimming Range:	0~100%, 0.1% dimming depth.
Working Temperature:	ta: -30°C ~ 55°C tc: 80°C
Working Humidity:	20 ~ 95%RH, non-condensing
Storage Temp., Humidity:	-40 ~ 80°C, 10~95%RH
Temp. Coefficient:	±0.03%/°C(0-50°C)
Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes

Output Current	350mA	500mA	700mA	800mA	1000mA	1100mA	1200mA	1400mA
Output Voltage	10-54V	10-54V	10-54V	10-54V	10-54V	10-54V	10-50V	10-43V
Output Power	3.5-18.9W	5-27W	7-37.8W	8-43.2W	10-54W	11-59.4W	12-60W	14-60.2W

Protection

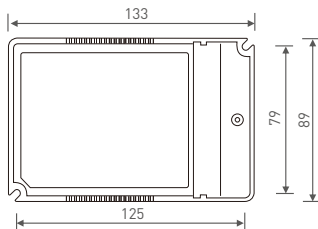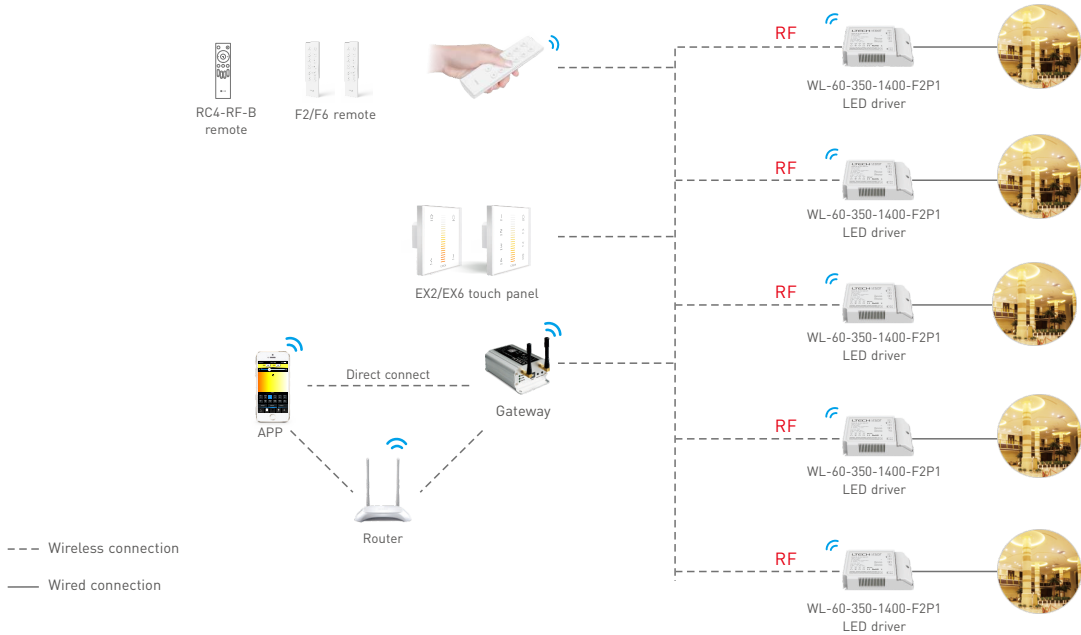|	
Over-heat Protection:	Intelligently adjusting or turning off the output current if the PCB temperature ≥110°C, auto recovers.
Over Load Protection:	Rated power ≥125%, LED driver enter hiccup mode, auto recovers.
Short Circuit Protection:	Shut down automatically if short circuit occurs, auto recovers.

Safety & EMC

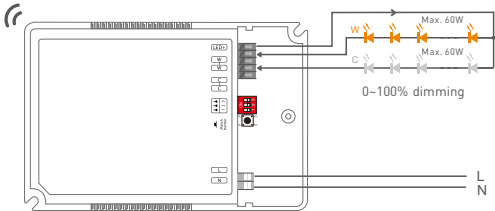|	
Withstand Voltage:	I/P-O/P: 3750Vac
Isolation Resistance:	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
Safety Standards:	IEC/EN61347-1, IEC/EN61347-2-13
EMC Emission:	EN55015, EN61000-3-2 Class C, IEC61000-3-3
EMC Immunity:	EN61000-4-2,3,4,5,6,8,11 EN61547

Others

Dimension:	133×89×30mm(L×W×H)
Packing Size:	135×90×35mm(L×W×H)
Weight(G.W.):	320g±10g

Dimensions

133
125
79
89
30

LTECH

RF

RC4-RF-B remote

F2/F6 remote

EX2/EX6 touch panel

APP — Direct connect — Gateway

Router

RF — WL-60-350-1400-F2P1 LED driver

RF — WL-60-350-1400-F2P1 LED driver

RF — WL-60-350-1400-F2P1 LED driver

RF — WL-60-350-1400-F2P1 LED driver

RF — WL-60-350-1400-F2P1 LED driver

- - - Wireless connection

—— Wired connection

Wiring diagram

W — Max. 60W
C — Max. 60W
0~100% dimming
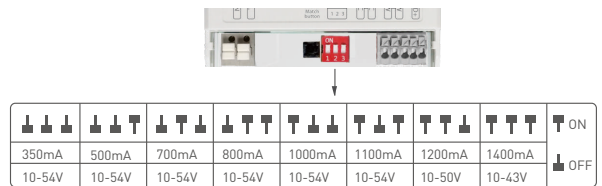
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* Adopting constant power program design, it keeps the same brightness in color temperature dimming.

* Maximum power lights can be connected in each channel independently, the total power of the 2 channels will be kept in the maximum power.

LED current selection

350mA	500mA	700mA	800mA	1000mA	1100mA	1200mA	1400mA	ON
10-54V	10-54V	10-54V	10-54V	10-54V	10-54V	10-50V	10-43V	OFF

* After current setting by DIP switch, power off and then power on to make the new current effective.

* E.g. LED 3.2V/pcs: 10-54V can power 3-16pcs LEDs in series, 10-43V can power 3-13pcs LEDs, the max quantity of LEDs in series will be subject to the actual voltage of LED.

Match code and clear code

Match code: Match code with RC4-RF-B , F2/F6 remote, EX2/EX6 touch panel, WiFi-106 gateway.

Method 1:

1. Power on and off driver continuously for 3 times, the lamps flicker, please complete next step within 10s.

2. Match up with RC4-RF-B: Short press the matching "ON" key.
   Match up with F2/F6 remote: press any key (F2) or zone key (F6).
   Match up with EX2/EX6 panel: press any key (EX2) or zone key (EX6).
   Match up with 106 gateway: select zone number on App, then touch the color slide for 2-3 seconds.

3. If the lamp is on, match successfully.

Driver

Method 2:

1. Short press "ID learning button" on driver, the lamps flicker, please complete next step within 10s. .

2. Match up with RC4-RF-B: Short press the matching "ON" key.
   Match up with F2/F6 remote: press any key (F2) or zone key (F6).
   Match up with EX2/EX6 panel: press any key (EX2) or zone key (EX6).
   Match up with 106 gateway: select zone number on App, then touch the color slide for 2-3 seconds.

3. If the lamp is on, match successfully.

Driver — ID learning button

Match code: Match up with other gateway, please operate according to APP's prompt.

Driver

Clear code:

Method 1:

Power on and off driver continuously for 10 times, If the lamps flicker 5 times, deactivate the matching successfully.

Driver

Method 2:

Long press "ID learning button" on driver for 10 seconds, If the lamps flicker 5 times, deactivate the matching successfully.

Driver — ID learning button