SE-20-250-1000-W2R2

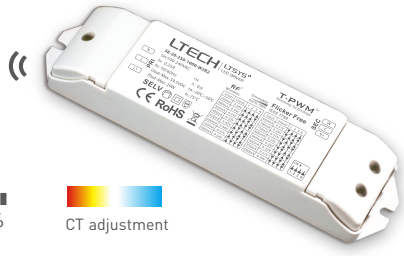
LED Intelligent CT Driver

LTECH

RF Push DIM

2.25~20W 250~1000mA 9~54Vdc

- Control mode: RF 2.4GHz, Push Dim
- T-PWM™ digital dimming.
- Dimming range: 0~100%, LED start at 0.01% possible.
- 0-100% flicker-free (IEEE 1789 standard).
- Innovative thermal management technology, intelligent power life protection.
- Over-heat / Over voltage / Over load / Short circuit protection, recover automatically.
- Suitable for internal lights application for Ⅰ/Ⅱ/Ⅲ.
- 5 years warranty (Rubycon capacitor).



T-PWM™
Super depth dimming technology

Flicker-free
IEEE 1789

Dimmable:
0.01-100%

CT adjustment

5 years warranty | SELV | RoHS | Class 2

RF Push Dim | T-PWM Super depth dimming technology | Flicker-free IEEE 1789 | Short Circuit Protection | Over Load Protection | Over-heat Protection

Main Characteristics

Control Mode:	RF 2.4GHz, Push Dim
Input Voltage:	100-240Vac (120-300Vdc)
Frequency:	50/60Hz
Input Current:	115Vac≤0.25A, 230Vac≤0.13A
Output Current:	250-1000mA
Output Power:	Max. 20W
Power Factor:	PF>0.95/115Vac , PF>0.90/230Vac, at full load
THD	230Vac@THD≤9%, at full load
Efficiency:	83%
Inrush Current(typ.):	Cold start 10A at 230Vac (twidth=40μs measured at 50% Ipeak)
Anti Surge:	L-N: 2kV
Leakage Current:	<0.24mA/230Vac
Output Voltage:	9-54Vdc
Max Output Voltage:	59.5Vdc
Strobe Level:	Almost flicker-free / High frequency exemption assessment level.
Dimming Range:	0~100%, 0.01% dimming depth (depend on the wireless master control).
LF current ripple(<120Hz):	<2%
Current Accuracy:	±5%
Ripple & Noise:	≤2V
PWM Dimming Frequency:	≤3600Hz
Working Temperature:	ta: -20 ~ 50°C tc: 75°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.

LED Current Selection

DIP switch for 8 optional currents' quick selection(see the table below).

✻ Please choose the current value when the driver is power off.

Choose current via DIP switch

	DIP Switch								
SE-20-250-1000-W2R2	Output Current	250mA	300mA	350mA	400mA	450mA	500mA	550mA	600mA
	Output Voltage	9-54V	9-54V	9-54V	9-50V	9-45V	9-40V	9-37V	9-34V
	Output Power	2.25-13.5W	2.7-16.2W	3.15-18.9W	3.6-20W	4.05-20.25W	4.5-20W	4.95-20.35W	5.4-20.4W
	DIP Switch								
	Output Current	650mA	700mA	750mA	800mA	850mA	900mA	950mA	1000mA
	Output Voltage	9-31V	9-29V	9-27V	9-25V	9-24V	9-22V	9-21V	9-20V
	Output Power	5.85-20.15W	6.3-20.3W	6.75-20.25W	7.2-20W	7.65-20.4W	8.1-19.8W	8.55-19.95W	9-20W

ON / OFF

Protection

Over-heat Protection:	Intelligently adjusting or turning off the output current if the PCB temperature ⩾110°C, auto recovers.
Over Load Protection:	Shut down the output when current load⩾102%, auto recovers.
Short Circuit Protection:	Shut down automatically if short circuit occurs, auto recovers.
Over Voltage Protection:	Output current declined when over non-load voltage, auto recovers.

Others

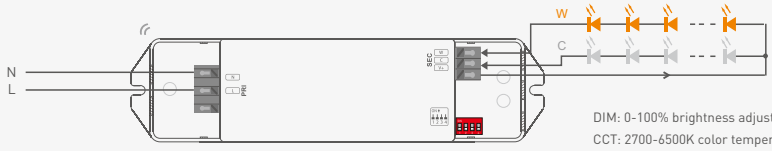
Dimension:	167×41×32mm(L×W×H)
Packing:	168×43×35mm(L×W×H)
Weight(G.W.):	160g±10g

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
Strobe Test Standard:	IEEE 1789

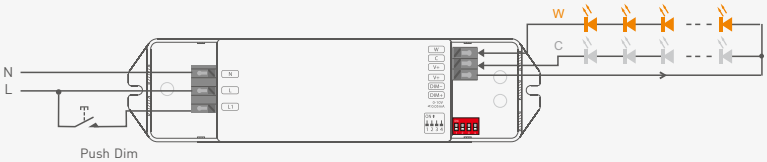
Wiring Diagram

RF Connection



DIM: 0-100% brightness adjustment.
CCT: 2700-6500K color temperature adjustment.

Push DIM Connection



Push Dim

DIM: 0-100% brightness adjustment.
CCT: 2700-6500K Color Temperature adjustment.
Short press to on/off, long press to dim.

✻ In the case of DC voltage input, PUSH dimming is invalid.

✻ Dimming interface priority: First RF, next Push DIM.

✻ Adopting constant power program design, it keeps the same brightness in color temperature dimming, twice the rated power load can be connected.
20W driver, 25W × 2CH load can be connected, the total power of the 2 channels will be kept in 20W.

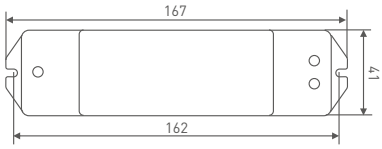
Push DIM/CCT

Reset switch

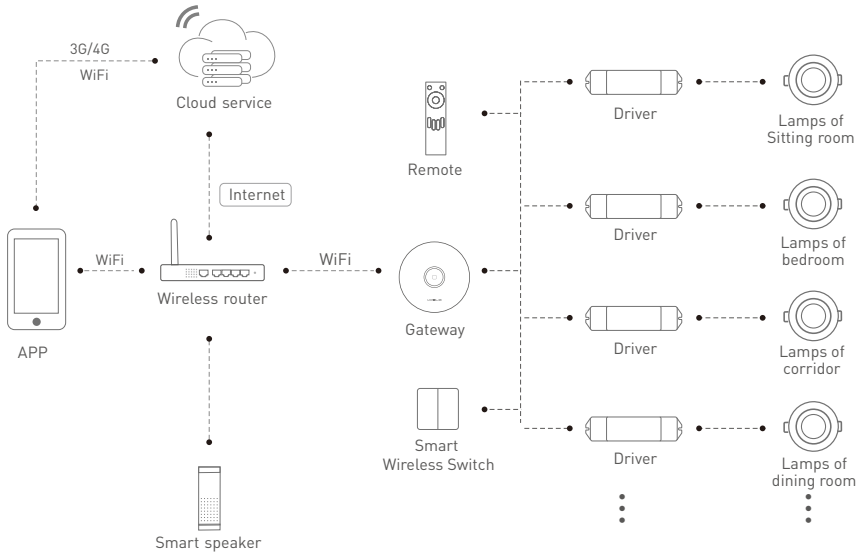
- On/off control: Short press.
- Stepless dim/CT: Long press.
- With every other long press, the light level goes to the opposite direction.
- Dimming memory: Brightness will be the same as previously adjusted when turning off and on again.

Dimensions

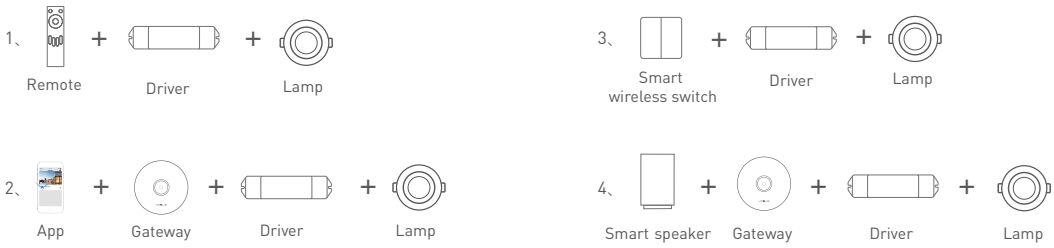
Unit: mm



System wiring



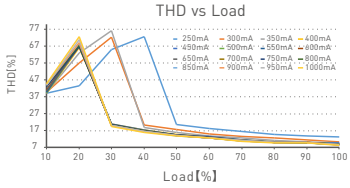
Multi control combination

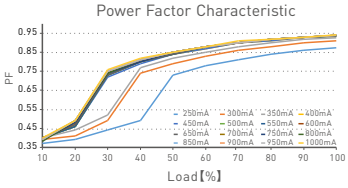


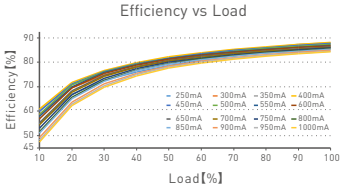
Other operating methods

When the driver works with remote control, gateway, intelligent wireless switch etc., please refer to the manual of the corresponding product for usage.

Relationship Diagrams







*No further notice if any changes in the manual.
Product function depends on the goods.
Please feel free to contact your supplier if any question.