

LED Intelligent Driver

- Wireless dimming: RF 2.4GHz
- T-PWM™ digital dimming, present a perfect visual experience.
- Dimming range: 0-100%, LED start at 0.01% possible.
- Flicker-free (IEEE 1789), achieve the level of exemption assessment.
- Innovative thermal management technology, intelligent power life protection.
- Over-heat / Over voltage / Over load / Short circuit 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.



T-PWM

Super depth dimming technology

Flicker-free

IEEE 1789

Dimmable:
0.01-100%

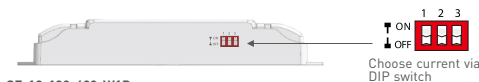


Specification

Model	SE-12-100-400-W1R	SE-12-350-700-W1R
OUTPUT	Output Voltage	10-42Vdc
	Max Output Voltage	50Vdc
	Output Current	100-400mA
	Output Power Range	1W-12W
	Stroke Level	High frequency exemption assessment level.
	Dimming Range	0-100%, LED start at 0.01% possible.
	LF current ripple(<120Hz)	<2%
	Current Accuracy	±5%
	Ripple & Noise	≤2V
INPUT	PWM Dimming Frequency	≤3600Hz
	Wireless Frequency	2.4GHz
	Input Voltage	100-240Vac
	Frequency	50/60Hz
	Input Current	0.25A@115Vac, 0.15A@230Vac
	Power Factor	PF>0.97/115Vac, PF>0.85/230Vac, at full load
	THD	≤16% at 115Vac, ≤28% at 230Vac, at full load
	Efficiency	>80%
	Inrush Current(typ.)	Cold start 5A at 230Vac
ENVIRONMENT	Anti Surge	L-N: 1kV
	Leakage Current	<0.5mA/230Vac
	Working Temperature	ta: -30°C ~ 50°C tc: 75°C
	Working Humidity	20 ~ 95%RH, non-condensing
	Storage Temp., Humidity	-40°C ~ 80°C, 10-95%RH
PROTECTION	Temp. Coefficient	±0.03%/°C (0-50°C)
	Vibration	10-500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes.
	Over-heat Protection	Intelligently adjusting or turning off the output current if the PCB temperature ≥110°C, auto recovers.
SAFETY & EMC	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.
	Withstand Voltage	I/P-O/P: 3750Vac
OTHERS	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
	Stroke Test Standard	IEEE 1789
OTHERS	Dimension	135×30×20mm(L×W×H)
	Packing	140×34×23mm(L×W×H)
	Weight[G.W.]	80g±10g

LED current selection

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

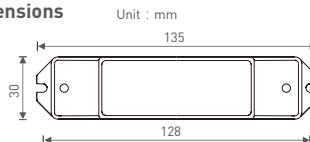


DIP Switch	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
Output Current	100mA	150mA	200mA	250mA	300mA	350mA	400mA	ON	
Output Voltage	10-42V	10-42V	10-42V	10-42V	10-40V	10-34V	10-30V		OFF
Output Power	1-4.2W	1.5-6.3W	2-8.4W	2.5-10.5W	3-12W	3.5-12W	4-12W		

DIP Switch	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
Output Current	350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA	ON
Output Voltage	10-24V	10-24V	10-24V	10-24V	10-22V	10-20V	10-18.5V	10-17V	
Output Power	3.5-8.4W	4-9.6W	4.5-10.8W	5-12W	5.5-12.1W	6-12W	6.5-12W	7-12W	OFF

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

Dimensions

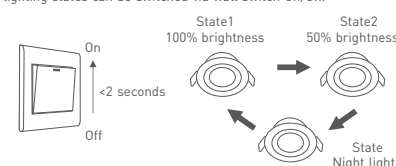


Wiring diagram

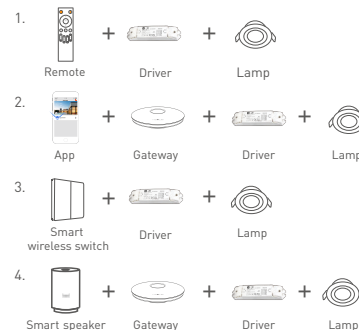


Wall switch operation method

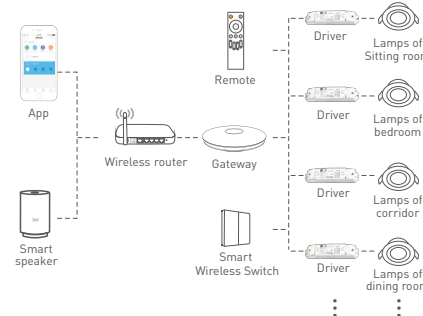
3 lighting states can be switched via wall switch On/Off.



Multi control method



System wiring



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.

* 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.

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