LTECH

SE-12-100-400-W1M SE-12-350-700-W1M

DMX/RDM

LED Intelligent Driver

- Dimming interface: DMX512/RDM
- T-PWM™ digital dimming, present a perfect visual experience.
- With RDM remote device management protocol.
- 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

RDM
DMX

Dimmable:
0.01-100%

SELV RoHS

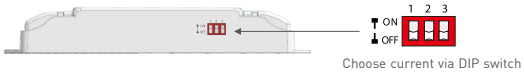
DMX RDM | T-PWM™ Super depth dimming technology | Flicker-free IEEE-1789 | Over-heat Protection | Short Circuit Protection | Over Load Protection | Multiple Current

Specification

Model		SE-12-100-400-W1M	SE-12-350-700-W1M
OUTPUT	Output Voltage	10-42Vdc	3-24Vdc
	Max Output Voltage	50Vdc	35Vdc
	Output Current	100-400mA	350-700mA
	Output Power Range	1W~12W	1.05W~12W
	Strobe Level	High frequency exemption assessment level.	
	Dimming Range	0~100%, 0.01% dimming depth.	
	LF current ripple(<120Hz)	<2%	
	Current Accuracy	±5%	
	Ripple & Noise	≤2V	
	PWM Dimming Frequency	≤3600Hz	
INPUT	Dimming Interface	DMX512/RDM	
	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	
	Efficiency	80%	78%
	Inrush Current(typ.)	Cold start 5A at 230Vac	
	Anti Surge	L-N: 1kV	
	Leakage Current	<0.5mA/230Vac	
ENVIRONMENT	Working Temperature	ta: -30°C ~ 50°C tc: 75°C	ta: -30°C~ 50°C tc: 85°C
	Working Humidity	20 ~ 95%RH, non-condensing	
	Storage Temp., Humidity	-40°C ~ 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.	
PROTECTION	Over-heat Protection	Intelligently adjusting or turning off the output current if the PCB temperature ≥110°C, and the output current will be restored automatically when the temperature comes normal.	
	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.	
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	
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).



Choose current via DIP switch

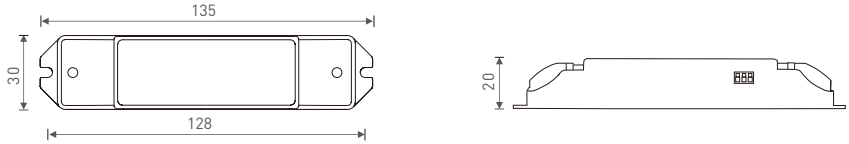
SE-12-100-400-W1M	DIP Switch								ON / OFF
	Output Current	100mA	150mA	200mA	250mA	300mA	350mA	400mA	
	Output Voltage	10-42V	10-42V	10-42V	10-42V	10-40V	10-34V	10-30V	
	Output Power	1-4.2W	1.5-6.3W	2-8.4W	2.5-10.5W	3-12W	3.5-12W	4-12W	

SE-12-350-700-W1M	DIP Switch								ON / OFF
	Output Current	350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA
	Output Voltage	3-24V	3-24V	3-24V	3-24V	3-22V	3-20V	3-18.5V	3-17V
	Output Power	1.05-8.4W	1.2-9.6W	1.35-10.8W	1.5-12W	1.65-12.1W	1.8-12W	1.95-12W	2.1-12W

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

Dimensions

Unit : mm



Wiring diagram