

General

Product Type	Constant Current Driver
Length (mm)	135
Width (mm)	30
Height (mm)	20
Housing Color	White
Housing Material	Plastic
Mounting	Surface mounted
Weight (g)	85

Electronics

Input Domain	AC
Input Voltage	100 ~ 240V AC
Output Voltage	10 ~ 24V DC
Output Current (mA) max/output	350~700
Output Power Range (W)	3.5~12
Power Supply	Internal
LED Outputs	1
Anti Surge	L-N: 1kV
Efficiency	78%
Leakage current max. (mA)	0.5
Standby Power Loss Max. (W)	0.5
Input Frequency	50 ~ 60Hz
Inrush Current	0.25A @ 115VAC, 0.15A @ 230VAC

Lighting

Color Range	Single Color

Control

Output Signal	PWM-CC
Control	DMX
RDM Support	Yes
Dimming Range	O~100%
Driver Configuration	Dip Switches
Number of Channels	1

Protection

Protection Class

Environmental

Storage Temperature	-40 ~ +80 °C
Operating Temperature	-30 ~ +50 °C
Ingress Protection	IP20



IP20

Disclaimer

Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.



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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.
- \bullet Suitable for internal lights application for $\,\mathbb{I}\,/\mathbb{II}.$









T-PWM[™] Super depth dimming technology

Flicker-free





















Specification

Model		SE-12-100-400-W1M	SE-12-350-700-W1M					
	Output Voltage	10-42Vdc	10-24Vdc					
	Max Output Voltage	50Vdc	35Vdc					
	Output Current	100-400mA	350-700mA					
	Output Power Range	1W~12W	3.5W~12W					
OUTPUT	Strobe Level	High frequency exemption assessment level.						
001701	Dimming Range	0~100%, 0.01% dimming depth.						
	LF current ripple(<120Hz)	<2%						
	Current Accuracy	±5%						
	Ripple & Noise	≤2V						
	PWM Dimming Frequency	≤3600Hz						
	Dimming Interface	DMX512/RDM						
	Input Voltage	100-240Vac						
	Frequency	50/60Hz						
	Input Current	0.25A@115Vac, 0.15A@230Vac						
INPUT	Power Factor	PF>0.97/115Vac , PF>0.85/230Vac, at full load						
	Efficiency	80%	78%					
	Inrush Current(typ.)	ld start 5A at 230Vac						
	Anti Surge	-N: 1kV						
	Leakage Current	0.5mA/230Vac						
	Working Temperature	ta: -30°C ~ 50°C tc: 75°C						
	Working Humidity	20 ~ 95%RH, non-condensing						
ENVIRONMENT	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.						
	Over-heat Protection	Intelligently adjusting or turning off the output current if	the PCB temperature ≥110°C,, auto recovers.					
PROTECTION	Over Load Protection	Shut down the output when current load≥102%, auto rec	overs.					
	Short Circuit Protection	Shut down automatically if short circuit occurs, auto reco	vers.					
	Withstand Voltage	I/P-0/P: 3750Vac						
	Isolation Resistance	I/P-0/P: 100MΩ/500VDC/25°C/70%RH						
SAFETY &	Safety Standards	IEC/EN61347-1, IEC/EN61347-2-13						
EMC	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						
	Dimension	135×30×20mm(L×W×H)						
OTHERS	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 c	urrent via	DIP	switch
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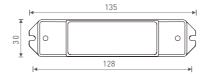
	DIP Switch	117	717	177	711	TAT	TTL	TTT	Ŧ
SE-12-100-400-W1M	Output Current	100mA	150mA	200mA	250mA	300mA	350mA	400mA	ON
	Output Voltage	10-42V	10-42V	10-42V	10-42V	10-40V	10-34V	10-30V	1
	Output Power	1-4.2W	1.5-6.3W	2-8.4W	2.5-10.5W	3-12W	3.5-12W	4-12W	OFF

	DIP Switch	111	117	TIT	111	TII	TIT	TTL	TTT	T
SE-12-350-700-W1M	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	<u> </u>
	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

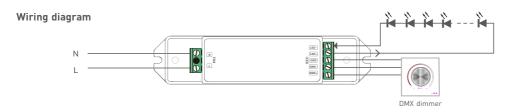
^{*} Please choose the current value when the driver is power off.

Dimensions

Unit: mm







* 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.