



General

Product Type	Constant Current Driver
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Electronics

Input Domain	AC
Input Voltage	100 ~ 240V AC
Output Voltage	10 ~ 28V DC
Output Current (mA) max/output	100~400
Power Consumption (W)	10
Power Supply	Internal
LED Outputs	1
Input Frequency	50Hz, 60Hz
Inrush Current	20A @ 230VAC

Lighting

Color Range	Single Color
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Control

Output Signal	PWM-CC
Control	DMX
Dimming Range	0~100%
Driver Configuration	Remote Device Management
Number of Channels	1

Environmental

Operating Temperature	-30 ~ +55 °C
Ingress Protection	IP20
Safety Standards	NEN-EN-IEC 61347-1, NEN-EN-IEC 61347-2-13,

CE IP20 2^{year} warranty

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.

LED Intelligent Driver

1-10W 100-400mA 10-45Vdc

- Dimming interface: DMX512/RDM
- With the RDM remote device management protocol.
- Supports DMX512 signal bi-directional communication.
- PWM digital dimming, no alter LED color rendering index.
- Dimming range: 0~100%, LED start at 0.1% possible.
- Short circuit / Over-temperature / Over load protection.
- Class 2 power supply. Full protective plastic housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



SELV



Main Characteristics

Dimming Interface:	DMX/RDM						
Input Voltage Range:	100-240Vac ±10%						
Frequency:	50/60Hz						
Input Current:	115Vac ≤ 0.20A, 230Vac ≤ 0.10A						
Efficiency:	≥ 83%						
Inrush Current(typ.):	Cold start 20A@230Vac						
Leakage Current:	<0.5mA/230Vac						
Operating Voltage:	10~45Vdc						
Output Power	Max. 10W						
Output Current :	100mA	150mA	200mA	250mA	300mA	350mA	400mA
Output Voltage :	10-45V	10-45V	10-45V	10-40V	10-33V	10-28V	10-25V
Output Power :	1-4.5W	1.5-6.75W	2-9W	2.5-10W	3-9.9W	3.5-9.8W	4-10W

Current Accuracy:	±3%
No Load Output Voltage:	≤47Vdc
Dimming Range:	0~100%, LED start at 0.1% possible.
Working Temperature:.	tc: 80°C ta: -30°C ~ 55°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

Attn: Please mark out the current while placing orders.

Protection

Over-heat Protection:	Shut down the output when PCB temp. ≥ 110°C, auto recovers when temp. back to normal.
Over Load Protection:	When O/P voltage exceed its range, O/P current declines, auto recovers when the load is reduced and power on again.
Short Circuit Protection:	Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.

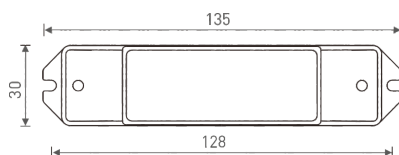
Safety & EMC

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:	EN61000-3-2 Class C, EN61000-3-3
EMC Immunity:	EN61000-4-2,3,4,5,6,8,11 EN61547

Others

Dimension:	135×30×20mm(L×W×H)
Packing:	140×34×23mm(L×W×H)
Weight(G.W.):	80g±10g

Dimensions



Wiring Diagram

