



General

Wire Strip Length	5mm
Wire Type	2.5mm ²

Electronics

Input Domain	AC
Input Voltage	100 ~ 240V AC
Output Voltage	12V DC
Output Current Max. (A)	3
Power Consumption (W)	36
Output Power (W)	36W @ 12V
Power Factor at Full Load	+0.95 @ 230VAC
Power Supply	Internal
LED Outputs	1
Input Frequency	50Hz, 60Hz
Inrush Current	10A @ 230VAC

Lighting

Color Range	Single Color
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Control

Output Signal	PWM-CV
Control	DMX
Dimming Range	0~100%
Driver Configuration	Dip Switches
Number of Channels	1
Functions	Push DIM

Protection

Reverse Polarity	Yes
LED Output Short	Yes
Overload	Yes

Environmental

Operating Temperature	-30 ~ +55 °C
Ingress Protection	IP20

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 Dimming Driver

36W 3A 12V DC

- Dimming interface: DMX512/RDM, Push DIM.
- With the RDM remote device management protocol.
- Supports DMX512 signal bi-directional communication.
- PWM digital dimming, no alter LED color rendering index.
- 60000:1 wide dimming, range: 0~100%, LED start at 0.1% possible.
- Power factor > 0.99, efficiency > 84%.
- 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.



Main Characteristics

Dimming Interface:	DMX512/RDM, Push DIM	Output Power:	Max. 36W
Dimming Range:	0~100%, LED start at 0.1% possible.	Line Regulation:	±1%
Input Voltage Range:	100-240Vac ±10%	Load Regulation:	±2%
Input Current:	115Vac ≤ 0.6A, 230Vac ≤ 0.3A	Overload Power Limitation:	0.95-1.20
Power Factor:	PF>0.99/115Vac, PF>0.95/230Vac, at full load	Working Temperature:	-30 ~ +55°C
Frequency:	50/60Hz	Working Humidity:	20 ~ 95%RH, non-condensing
Efficiency:	≥84%	Storage Temp., Humidity:	-23 ~ +80°C, 10~95%RH
Inrush Current(typ.):	Cold start 10A at 230Vac (twidth=75µs measured at 50% Ipeak)	Temp. Coefficient:	±0.03%/°C(0-50°C)
Leakage Current:	<0.5mA/230Vac	Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes
Output Current :	Max. 3A		
Operating Voltage:	12V DC ± 0.5V DC		

Protection

Short Circuit / Over Temperature / Over Load: Auto recovery

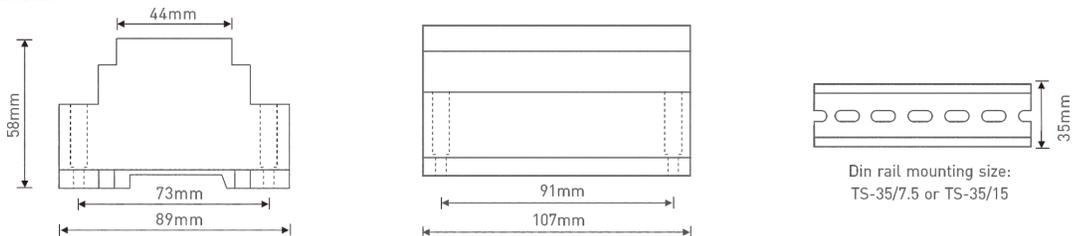
Others

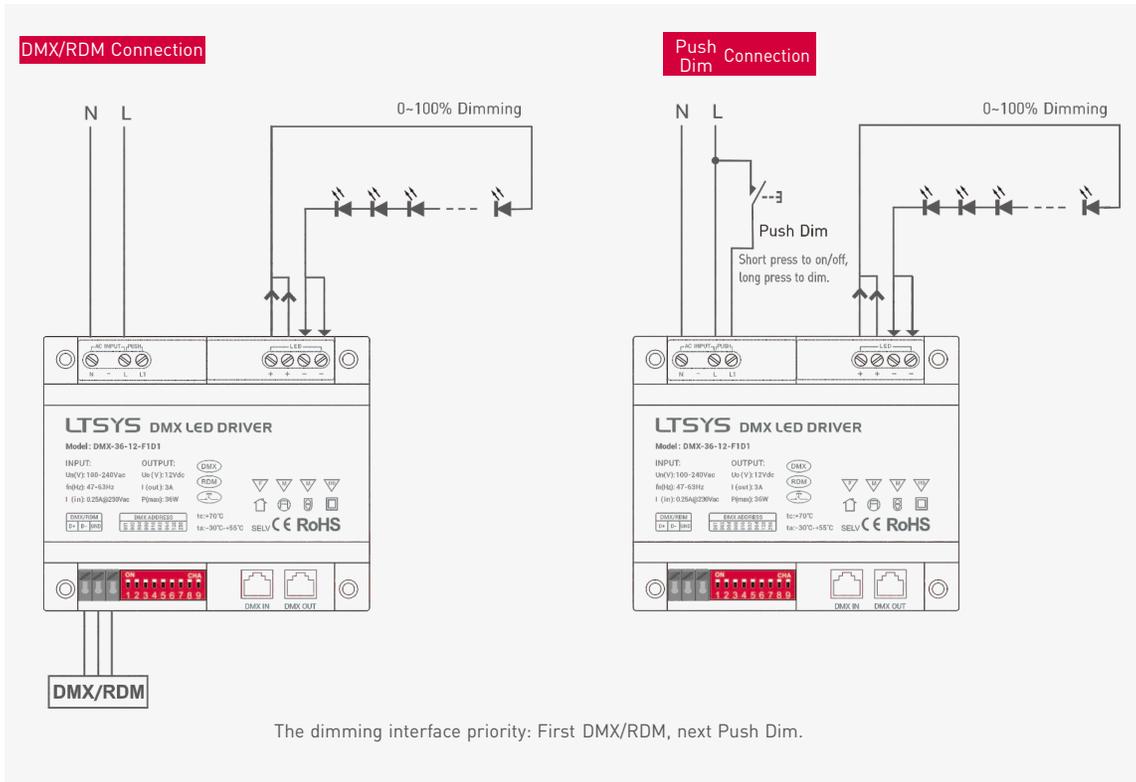
Dimension:	107×89×58mm(L×W×H)
Packing:	109×99×63mm(L×W×H)
Weight[G.W.]:	280g±10g

Safety & EMC

Withstand Voltage:	I/P-O/P: 3750Vac
Isolation Resistance:	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
Safety Specification:	IEC/EN61347-1, IEC/EN61347-2-13, EN55015, EN61000-3-2 Class C, EN61000-3-3, EN55024, EN61547 EN61000-4-2,3,4,5,6,8,11.

Dimensions





Push Dimming



Reset Switch

- On/off control: Short press.
- Stepless dimming: Long press.
- For fine tuning of light level: 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.

Attention:

- The product shall be installed and serviced by the qualified person.
- Before use, please make sure the LED driver output voltage matches with the LED lights. improper voltage will damage the LED lights or influence the luminous efficiency.
- Good heat dissipation can prolong the life of the LED driver. Please try to install the LED driver on the metal surface and use in well-ventilated environment.
- The wire size shall be big enough to load the power with solid connection to LED driver.
- If a malfunction occurs, do not repair by yourself. For any question, please contact the supplier directly.

RDM Mode: The dip switch 1-9 are OFF.

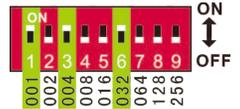


DMX Address Setting:

E.g.1: Set Initial Address To 32.



E.g.2: Set Initial Address To 37.



$$001 + 004 + 032 = 37$$

DMX address value = the total value of (1-9).
To get the place value when in "on" position.