LED Driver DMX 75W 12V - DMX-75-12-F1M1



General	
Wire Strip Length	5mm
Wire Type	2.5mm2
Electronics	
Input Domain	AC
Input Voltage	100 ~ 240V AC
Output Voltage	12V DC
Output Current Max. (A)	6.25
Output Power (W)	75W @ 12V
Power Factor at Full Load	+0.95 @ 230VAC
Power Supply	Internal
LED Outputs	1
Input Frequency	50Hz, 60Hz
Inrush Current	60A @ 230VAC
Lighting	
Color Range	Single Color
Control	
Output Signal	PWM-CV
Control	DMX
Dimming Range	0~100%
Dimming Curve	Linear
Number of Channels	1
Functions	Push DIM
Environmental	
Operating Temperature	-30 ~ +60 °C
Ingress Protection	IP20

CE IP20 2^{year}

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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2810500

LTECH LED Intelligent Driver

DMX/RDM Push DIM

- Dimming interface: DMX512/RDM, Push DIM.
- With the RDM remote device management protocol.
- PWM digital dimming, no alter LED color rendering index.
- 0~100% flicker-free, achieve the level of exemption assessment.

C€ RoHS

PWM

- Dimming range from 0-100%, LED start at 0.1% possible.
- Over-heat / Over voltage / Over load / Short circuit protection, recover automatically.

X

0.1%

- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor I/II/III type lamps application.

Dimmable: 0.1%-100%



Flicker-free

High frequency exemption level.

Shart Circuit Protectian	Over Laad Protection	V Over voltage protection

Specification

DMX/RDM

Push DIM

SELV

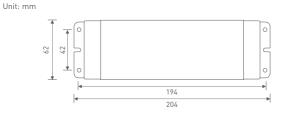
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Model		DMX-75-12-F1M1	DMX-75-24-F1M1	
OUTPUT	Output Voltage	12Vdc	24Vdc	
	Output Voltage Range:	12Vdc ± 0.5Vdc	24Vdc ± 0.5Vdc	
	Output Current	Max. 6.25A	Max. 3.12A	
	Output Power	Max. 75W		
	Output Power Range	0~75W		
	Strobe Level	High frequency exemption level.		
	Dimming Range:	0~100%, dimming depth: Max. 0.1%		
	Overload Power Limitation	≥102%		
	Ripple & Noise	≤200mV		
	PWM Dimming Frequency	≤3600Hz		
	Dimming Interface	DMX/RDM, Push Dim		
	Input Voltage	100-240Vac		
	Frequency	50/60Hz		
INPUT	Input Current	120Vac≤0.9A, 230Vac≤0.45A		
INFOI	Power Factor	PF>0.99/115Vac , PF>0.95/230Vac, at full load		
	THD	<6% at 115Vac, <12% at 230Vac, at full load		
	Efficiency(typ.)	85%	87%	
	Inrush Current(typ.)	Cold start 60A at 230Vac		
	Anti Surge	L-N: 1kV L/N-G: 2kV		
	Leakage Current	I/P-0/P: <0.5mA/230Vac, I/P-GND: <0.75mA/230Vac		
	Working Temperature	ta: -30°C ~ 60°C tc: 85°C	ta: -30°C ~ 60°C tc: 80°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	Power limit when rated power≥102%, auto recovers.		
	Short Circuit Protection	Shut down automatically if short circuit occurs, auto recovers.		
	Over Voltage Protection	Shut down the output when non-load voltage≥15V, re-power on to recover after fault condition is removed.	Shut down the output when non-load voltage≥27V, re-power on to recover after fault condition is removed.	
SAFETY &	Withstand Voltage	I/P-0/P: 3750Vac I/P-GND: 1800Vac		
	Isolation Resistance	I/P-0/P: 100M 0/500VDC/25°C/70%RH		
EMC	Safety Standards	IEC/EN61347-1, IEC/EN61347-2-13		
	Strobe Test Standard	IEEE 1789		
	Dimension	204×62×34mm(L×W×H)		
OTHERS	Packing	206×64×39mm(L×W×H)		
	Weight(G.W.)	490g±10g		

* The driver is suitable for connecting resistor current-limiting LED fixture (e.g. LED strip). The instantaneous surge current will be several times increased if connecting built-in constant current IC current-limiting LED fixtures, the driver will activate the overloaded protection (hiccups flickering). When you order, please remark controlling the constant current LED fixture (e.g. MR16 lamp, underground light, LED wall washer, constant current LED strip, etc.), then we can prepare the special programs.

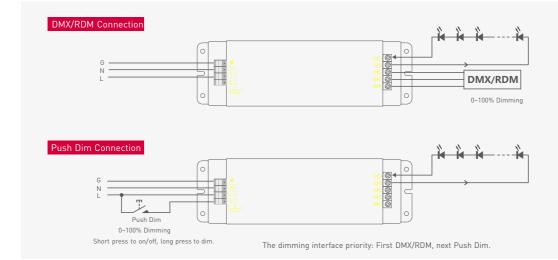


Dimensions





Wiring Diagram



Push Dimming



- On/off control: Short press.
- Stepless dimming: Long press.
- 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.

Reset switch

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



DMX Address Setting:

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





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

*No further notice if any changes in the manual. Product function depends on the goods. Please feel free to contact our official distributor if any question.