LED Driver DMX 75W 12V - DMX-75-12-F1M1 2810500

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 warranty

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Paper size: A4

LTECH

DMX-75-12-F1M1 DMX-75-24-F1M1

DMX/RDM Push DIM

LED Intelligent Driver

- 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.
- Dimming range from 0-100%, LED start at 0.1% possible.
- Over-heat / Over voltage / Over load / Short circuit protection, recover automatically.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor Ⅰ/Ⅱ/Ⅲ type lamps application.

Dimmable:
0.1%-100%

RDM
DMX

Flicker-free
High frequency exemption level.

SELV CE RoHS

DMX/RDM Push DIM | PWM Digital Dimming | 0.1% Dimming Depth | Over-heat Protection | Short Circuit Protection | Over Load Protection | V Over voltage protection

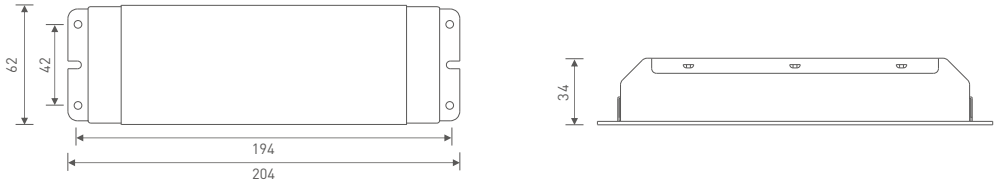
Specification

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	
INPUT	Dimming Interface	DMX/RDM, Push Dim	
	Input Voltage	100-240Vac	
	Frequency	50/60Hz	
	Input Current	120Vac≤0.9A, 230Vac≤0.45A	
	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-O/P: <0.5mA/230Vac, I/P-GND: <0.75mA/230Vac	
ENVIRONMENT	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	
	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, auto recovers.	
	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 & EMC	Withstand Voltage	I/P-O/P: 3750Vac I/P-GND: 1800Vac	
	Isolation Resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH	
	Safety Standards	IEC/EN61347-1, IEC/EN61347-2-13	
	Strobe Test Standard	IEEE 1789	
OTHERS	Dimension	204×62×34mm(L×W×H)	
	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.

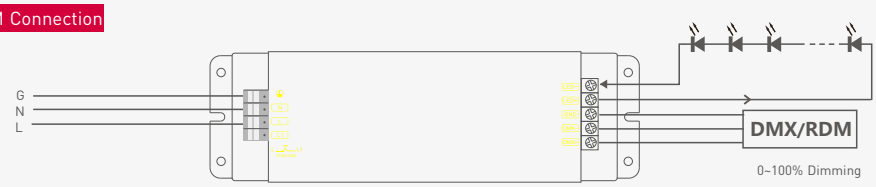
Dimensions

Unit: mm



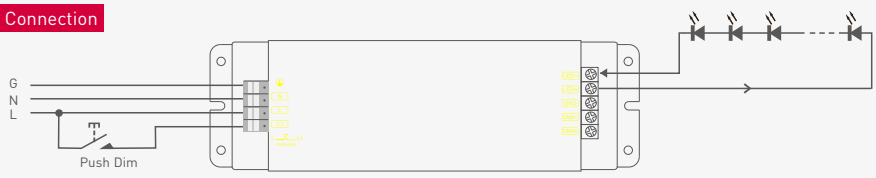
Wiring Diagram

DMX/RDM Connection



0~100% Dimming

Push Dim Connection



0~100% Dimming

Short press to on/off, long press to dim.

The dimming interface priority: First DMX/RDM, next Push Dim.

Push Dimming

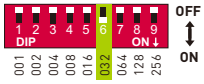
Reset switch

- 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.

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,

＊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.