DMX-150-24-F2M1

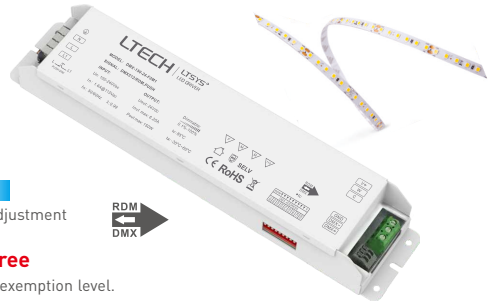
LTECH

DMX/RDM
Push DIM

LED Intelligent CT Driver

150W Max. 6.25A 24Vdc

- Dimming interface: DMX512/RDM, Push DIM.
- With RDM remote device management protocol.
- Supports remote management of reading or writing DMX address.
- 2CH PWM output, control dimming/CT lamps.
- Dimming range: 0~100%, LED start at 0.1% possible.
- 0~100% flicker-free, achieve the level of exemption assessment.
- Power factor > 0.99, Efficiency > 91.5%.
- Over-heat / Over voltage / Over load / Short circuit protection.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for internal lights application for Ⅰ/Ⅱ/Ⅲ.



SELV

DMX/RDM PUSH DIM | PWM Digital Dimming | PF >0.99 | >91.5% Efficiency | 过温保护 | 过压保护 | 过载保护 | 短路保护

Main Characteristics

Dimming Interface:	DMX512/RDM, Push Dim
Input Voltage Range:	100-240Vac ±10%
Frequency:	50/60Hz
Input Current:	115Vac≤1.6A, 230Vac≤0.8A
Power Factor:	PF>0.99/115Vac , PF>0.95/230Vac, at full load
THD:	<5% at 115Vac, <8% at 230Vac, at full load
Efficiency:	>91.5%
Inrush Current(typ.):	Cold start 60A at 230Vac
Control Surge Capability:	L-N: 1kV, L/N-Ground: 2kV
Leakage Current:	I/P-O/P: <0.5mA/230Vac, I/P-GND: <0.75mA/230Vac
Output Current:	Max. 6.25A
Output Voltage:	24Vdc
Output Voltage Range:	24Vdc ±0.5Vdc

Ripple & Noise:	≤200mV
Output Power:	Max. 150W
Output Power Range:	0~150W
Strobe Level	Exemption assessment level.
Overload Power Limitation:	≥102%
Dimming Range:	0~100%, dimming depth: 0.1%
PWM Frequency:	3600Hz
Working Temperature.:	ta: -30°C ~ 60°C tc: 85°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./1 cycle, period for 72min. each along X, Y, Z axes

Protection

Over Temp. Protection:	Shut down the output when PCB temp.≥110°C, auto recovers when temp. back to normal.
Over Voltage Protection:	Non-load Voltage≥27V, re-power on to recover after fault condition is removed.
Over Load Protection:	Current Load≥102%, recovers automatically after fault condition is removed.
Short Circuit Protection:	Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.

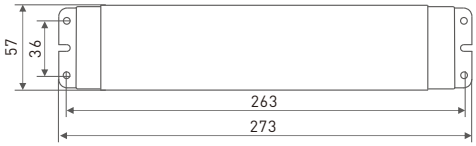
Safety & EMC

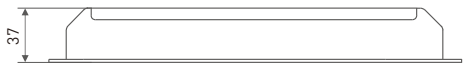
Withstand Voltage:	I/P-O/P: 3750Vac I/P-GND: 1800Vac
Isolation Resistance:	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
Safety Standards:	IEC/EN61347-1, IEC/EN61347-2-13
EMC Emission:	EN55015, EN61000-3-2 Class C, IEC61000-3-3
EMC Immunity:	EN61000-4-2,3,4,5,6,8,11, EN61547
Strobe Test Standard:	IEEE 1789

Others

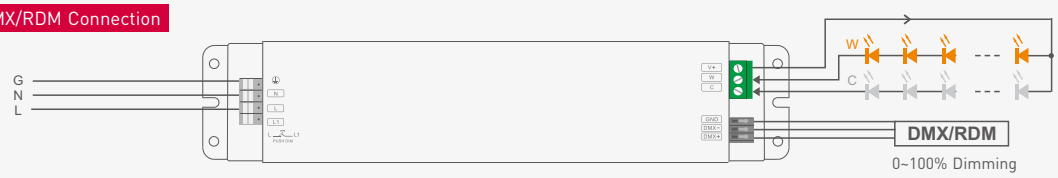
Dimension:	273×57×37mm(L×W×H)
Packing:	285×63×43mm(L×W×H)
Weight(G.W.):	790g±10g

Dimensions

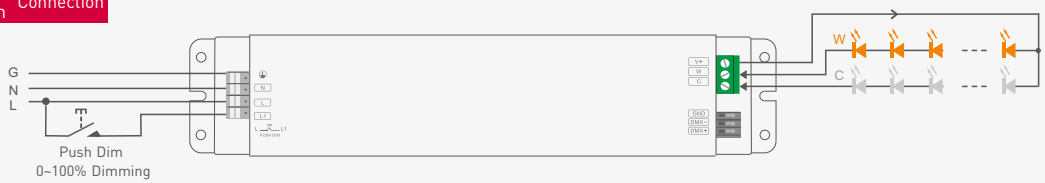




DMX/RDM Connection



Push Dim Connection



* Using constant power programming design. The Max. load output/CH is 150W. The total power of LED color temperature adjustment stay within 150W.

* 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.

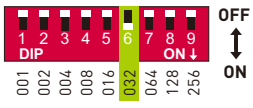
How to Use the Dip Switch:

RDM Mode:

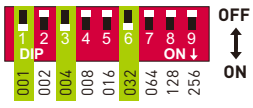
The dip switch 1-9 are OFF .

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,