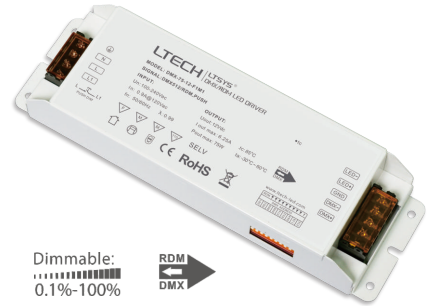


LED Intelligent Driver

75W 6.25A 12Vdc

- 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.
- Dimming range from 0-100%, LED start at 0.1% possible.
- Power factor > 0.99, Efficiency > 85%.
- Short circuit / Over-heat / Over load / Over voltage protection.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



Dimmable: 0.1%~100%
 RDM ← DMX →

SELV

DMX/RDM
PUSH DIM

PWM
Digital Dimming

PF
>0.99

η >85%
Efficiency

Main Characteristics

Dimming Interface: DMX/RDM, Push Dim
 Input Voltage Range: 100-240Vac ±10%
 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 (full load)
 Efficiency: >85%
 Inrush Current(typ.): Cold start 60A at 230Vac
 Control Surge Capability: L-N: 1kV L/N-G: 2kV
 Leakage Current: I/P-O/P: <0.5mA/230Vac, I/P-GND: <0.75mA/230Vac
 Output Current: Max. 6.25A
 Output Voltage: 12Vdc
 Output Voltage Range: 12Vdc ±0.5Vdc

Ripple & Noise: ≤200mV
 Output Power: Max. 75W
 Output Power Range: 1-75W
 Overload Power Limitation: ≥102%-125%
 PWM Frequency: 2KHz-4KHz
 Dimming Range: 0-100%, LED start at 0.1% possible.
 Working Temperature.: tc: 85°C ta: -30°C ~ 60°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

Protection

Over-heat Protection: Shut down the output when PCB temp. ≥110°C, auto recovers when temp. back to normal.
 Over Voltage Protection: Shut down the output when non-load Voltage ≥13-18V, re-power on to recover after fault condition is removed.
 Over Load Protection: Shut down the output when Current Load ≥102%-125%, auto recovers after faulty condition is removed.
 Short Circuit Protection: Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.

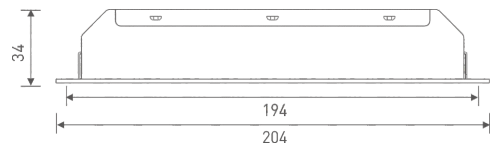
Safety & EMC

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

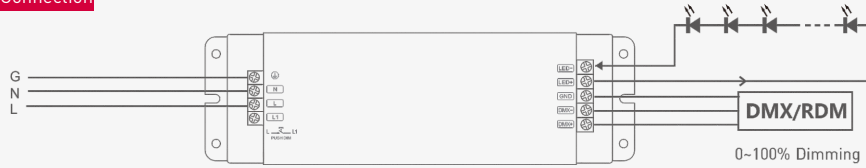
Others

Dimension: 204×62×34mm(L×W×H)
 Packing: 206×64×39mm(L×W×H)
 Weight(G.W.): 490g±10g

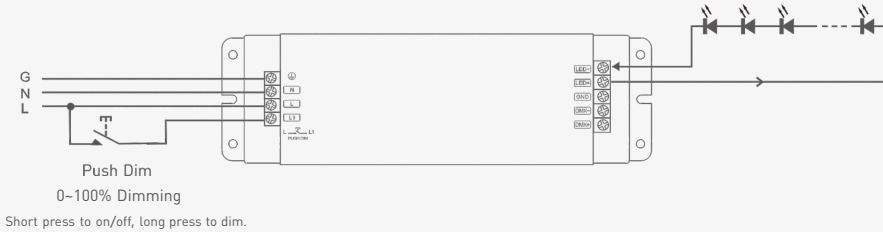
Dimensions Unit: mm



DMX/RDM Connection



Push Dim Connection



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.



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