DALI-150-24-F1M1

LED Intelligent Driver

- Dimming interface: DALI, Push Dim. •
- PWM digital dimming, standard DALI logarithmic dimming curve. .
- High frequency PWM dimming, no flicker in video camera. .
- Dimming range from 0-100%, LED start at 0.1% possible. .
- Power factor > 0.99, Efficiency > 93%. .
- Short circuit / Over-temperature / Over load / Over voltage protection. •
- . DALI bus standard: IEC62386-101, 102, 207.
- Compliant with Safety Extra Low Voltage standard. .
- Suitable for indoor environments. .

RoHS 🏠 🕱 \overline{M} A 8 CE 110/ \F/ SELV

PF

>0.99













LTSYS

150W





Main Characteristics

Dimming Interface:	DALI, Push DIM
Input Voltage Range:	100-240Vac ±10%
Frequency:	50/60Hz
Input Current:	115Vac≤1.95A, 230Vac≤0.8A
Power Factor:	PF>0.99/115Vac , PF>0.95/230Vac, at full load
THD:	${\leqslant}5\%$ at 115Vac, ${\leqslant}8\%$ at 230Vac (full load)
Efficiency:	≥93%
Inrush Current(typ.):	Cold start 60A at 230Vac
Leakage Current:	I/P-0/P: <0.5mA/230Vac, I/P-GND: <0.75mA/230Vac
Output Current:	Max. 6.25A
Output Voltage:	24Vdc

Protection

Over-heat Protection:	Shut down the output when PCB temp. \geq 110°C, auto recovers when temp. back to normal.
Over Voltage Protection:	Shut down the output when non-load Voltage $\geq 26 - 32V$, re-power on to recover after fault condition is removed.
Over Load Protection:	Shut down the output when Current Load \ge 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.

Dimensions



Output Voltage Range:	24Vdc ±0.5Vdc
Ripple & Noise:	≤200mV
Output Power:	Max. 150W
Output Power Range:	1~150W
Overload Power Limitation:	≥102%~125%
Dimming Range:	0~100%, LED start at 0.1% possible.
Working Temperature.:	tc: 80°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

Safety & EMC

Withstand Voltage:		
Isolation Resistance:		
Safety Standards:		
EMC Emission:		
EMC Immunity:		

I/P-0/P: 100MΩ/500VDC/25°C/70%RH IEC/EN61347-1, IEC/EN61347-2-13 EN55015, EN61000-3-2 Class C, IEC61000-3-3 EN61000-4-2,3,4,5,6,8,11, EN61547

I/P-0/P: 3750Vac I/P-GND: <1800Vac

Others

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Dimension:
Packing:
Weight(G.W.):
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273×57×37mm(L×W×H) 278×59×42mm(L×W×H) 790g±10g





DALI

Push DIM

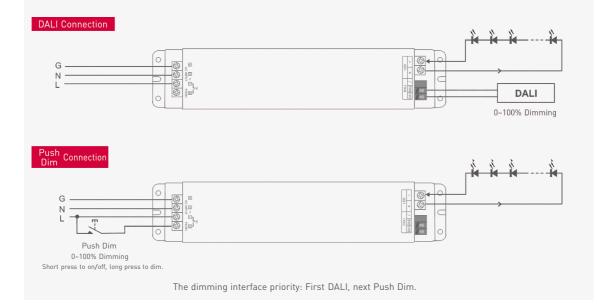
24Vdc

6.25A

LISSS OU IS DROG LISSS OU IS

Connections

LTSYS



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.