

LED Intelligent Driver

75W 3.12A 24Vdc

- Dimming interface: DALI, Push Dim.
- 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 > 87%.
- Short circuit / Over-heat / Over load / Over Voltage protection.
- DALI bus standard: IEC62386-101, 102, 207.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



SELV

DALI
PUSH DIM

PWM
Digital Dimming

PF
>0.99

η > 87%
Efficiency

Over-heat Protection

Short Circuit Protection

Over Load Protection

Over voltage protection

Main Characteristics

Dimming Interface:	DALI (IEC62386), Push Dim	Ripple & Noise:	≤200mV
Input Voltage Range:	100-240Vac ±10%	Output Power:	Max. 75W
Frequency:	50/60Hz	Output Power Range:	1~75W
Input Current:	115Vac≤0.9A, 230Vac≤0.45A	Overload Power Limitation:	≥102%~125%
Power Factor:	PF>0.99/115Vac, PF>0.95/230Vac, at full load	Dimming Range:	0~100%, LED start at 0.1% possible.
THD:	≤9% at 115Vac, ≤12% at 230Vac, at full load	Working Temperature.:	tc: 80°C ta: -30°C ~ 60°C
Efficiency:	≥87%	Working Humidity:	20 ~ 95%RH, non-condensing
Inrush Current(typ.):	Cold start 60A at 230Vac	Storage Temp., Humidity:	-40 ~ 80°C, 10~95%RH
Control Surge Capability:	L-N: 1kV, L/N-Ground: 2kV	Temp. Coefficient:	±0.03%/°C(0-50°C)
Leakage Current:	I/P-O/P: <0.5mA/230Vac, I/P-GND: <0.75mA/230Vac	Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes
Output Current:	Max. 3.12A		
Output Voltage:	24Vdc		
Output Voltage Range:	24Vdc ±0.5Vdc		

Protection

- Over-heat Protection:** Ambient Temp. ≥65°C, shut down the output, auto recovers when temp. back to normal.
- Over Voltage Protection:** Shut down the output when non-load Voltage ≥26~32V, re-power on to recover after fault condition is removed.
- Over Load Protection:** Power Load ≥102%~125%, start hiccup mode, auto recovers when the load is reduced.
- Short Circuit Protection:** Shut down automatically if short circuit occurs, auto recovers after faulty condition is removed.

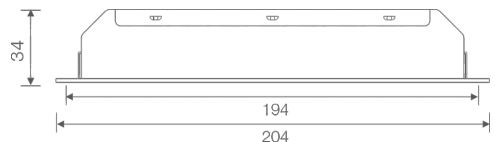
Safety & EMC

- Withstand Voltage:** I/P-O/P: 3750Vac
- 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

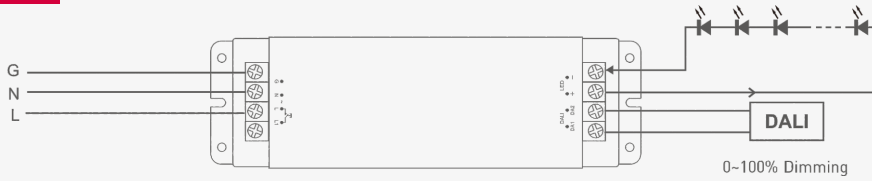
Others

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

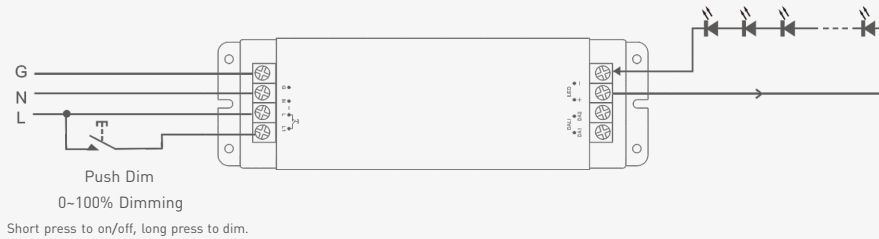
Dimensions



DALI Connection



Push Dim Connection



The dimming interface priority: First DALI, 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.