

DIMMABLE CONSTANT VOLTAGE LINEAR LED DRIVER

TRIAC (PHASE CUT)

SMT-XXX-030VTHWH

12/24V 30W

LINEAR LUX
LED LIGHTING SOLUTIONS

- Constant voltage 12/24VDC
- Dimming range: 0~100% / Load: 10~100%
- Dimming type: Triac /phase cut, (leading or trailing edge dimmers)
- PWM output
- Flicker free dimming
- 7 year warranty
- Cooling by free air convection
- IP20 (indoor use only)
- Built-in PFC

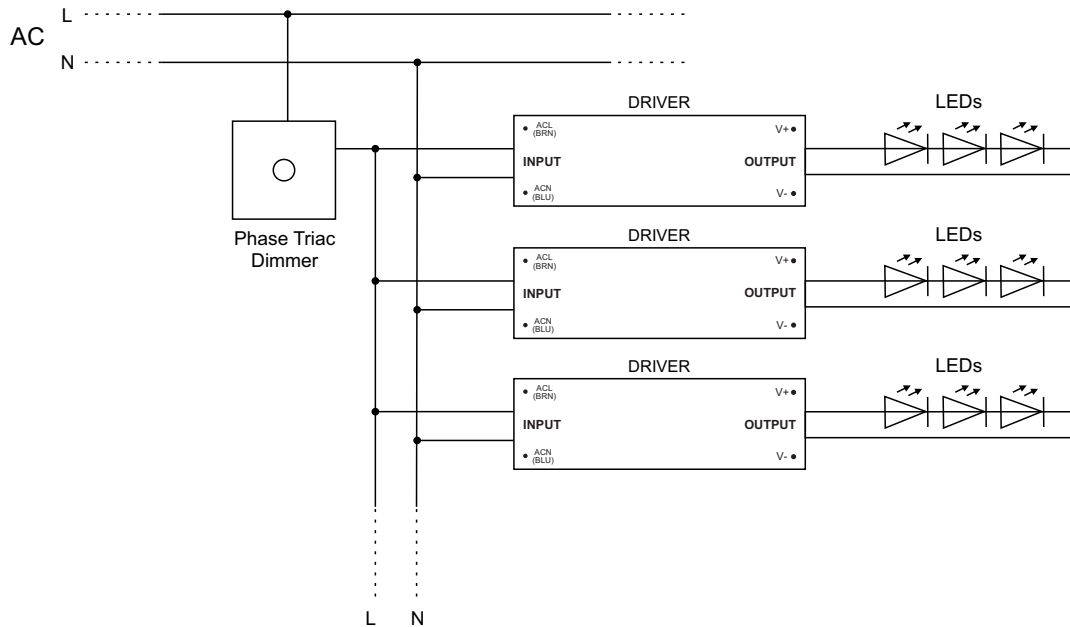


	SMT-012-030VTHWH	SMT-024-030VTHWH	
OUTPUT	Voltage	12 VDC	24 VDC
	Voltage Tolerance		± 5%
	Rated Power		30 W
	Rated Current	2.5 A	1.25 A
	Voltage Regulation		± 5%
	Load Regulation		± 1%
INPUT	Voltage	200-240 VAC	
	Frequency Range	47 - 63 Hz	
	Power Factor (Typ.)	PF≥0.97/230VAC	
	Full Load Efficiency	79%	79%
	THD (Typ.) @ Full Load	< 20%	
	AC Current (Typ.)	0.22 A	
	Inrush Current (Typ.)	30A, 50%, 90µs @ 230VAC	
	Leakage Current (Typ.)	<0.5mA	
PROTECTION	Short Circuit	Shut down output voltage, repower to recover after fault removed	
	Over Load	≤ 120% hiccup mode, repower to recover after fault removed	
	Over Temperature	Tc ≥ 100°C ±10°C, repower to recover after fault removed	
	Protection Class	II	
ENVIRONMENT	Operating Temperature	-40 - +70°C see derating curve	
	Operating Humidity	20 - 90% RH, non condensing	
	Storage Temperature	-40 - +80°C see derating curve	
	Storage Humidity	10 - 95% RH, non condensing	
	Temp. Coefficient	± 0.03% / °C (0-50°C)	
	Vibration	10 - 500Hz, 2G 10min./1 cycle period for 72min, each along X, Y & Z axes	
SAFETY & EMC	Safety Standards	EN61347-1 EN61347-2-13	
	Withstand Voltage	I/P-O/P: 3.75KVAC	
	Isolation Resistance	I/P-O/P: 100MΩ / 500VDC / 25°C / 70%RH	
	EMC Emission	EN55015 EN61000-3-2 (≥60% loading)	
WEIGHTS & DIMENSIONS	Weight	0.21 kg	
	Size	155 x 54 x 20mm (LxWxH)	
	Carton Size	160 x 60 x 23mm (LxWxH) 40pcs/CTN	

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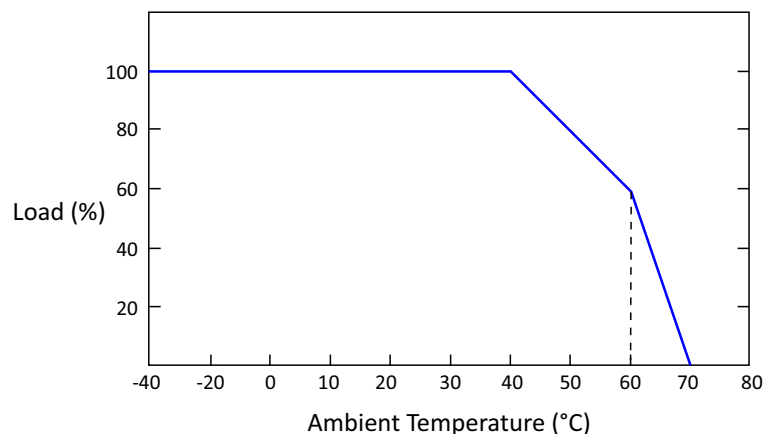
SMT-XXX-030VTHWH

Triac (Phase Cut) Dimming Diagram



- TO BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY
- ENSURE ALL WIRING CONNECTIONS ARE CORRECT BEFORE APPLYING MAINS POWER. FAILURE TO DO SO MAY RESULT IN DAMAGE TO BOTH THE LED DRIVER AND OR LED LIGHTS.

Temperature De-Rating Curve

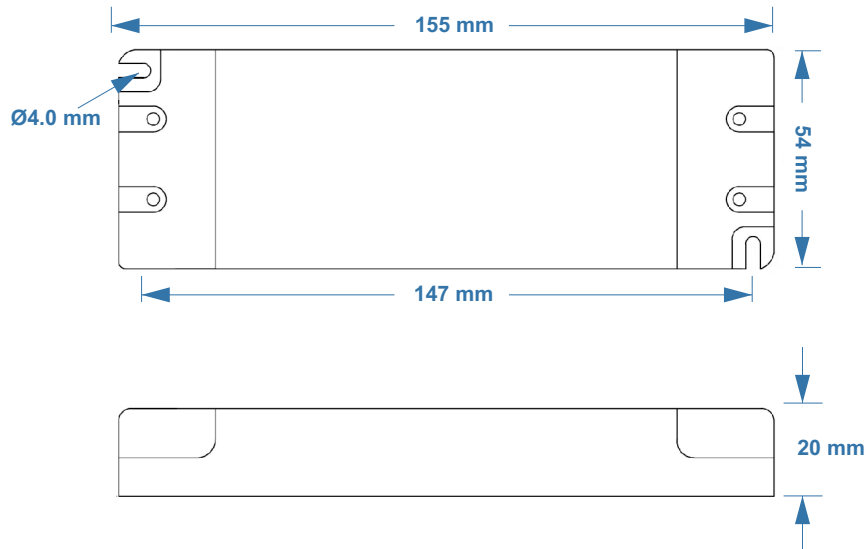


- HIGH OPERATING TEMPERATURES WILL DRAMATICALLY REDUCE THE DRIVER'S LIFE. ENSURE ADEQUATE VENTILATION.
- IF OPERATING THE DRIVER IN A HIGH AMBIENT ENVIRONMENT FOLLOW THE ABOVE DE-RATING CURVE.

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Mechanical Specification



Suggested Wire Sizes

- **Input Terminals:** 0.75 ~ 2.5mm² (Australian Mains plug fitted, can be removed)
- **Output Terminals:** 0.5 ~ 2.5mm²
- **Dimming Terminals:** 0.5 ~ 2.5mm²