VOLKA LIGHTING

IP20 · TRIAC DIMMABLE

90 W LED Driver

Constant voltage — 12V & 24V



TRIAC DIMMABLE CONSTANT VOLTAGE LED DRIVER · 90 W · IP20

SKU: VL-TRI-90W-12V & VL-TRI-90W-24V · 100–240 VAC In · ABS Plastic · SAA & RCM

- 90 W constant-voltage output, dimmed straight from a mains wall dimmer.
- Compatible with both leading-edge and trailing-edge TRIAC dimmers.
- Smooth flicker-free dimming curve with no minimum load.
- Wide 100–240 VAC input with active PFC — efficiency to 92%.
- IP20 plastic case for indoor, dry locations — natural convection cooling, no fan.
- SAA approved & RCM compliant for Australian installations.

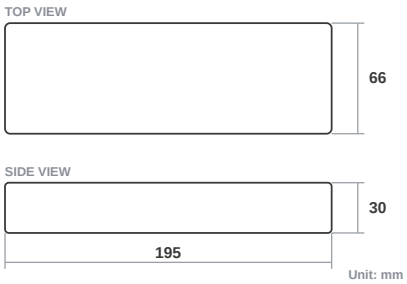
90W	IP20	SAA	RCM
MAX OUTPUT	INDOOR RATED	SAA APPROVED	RCM COMPLIANT

TRIAC	0.95		4
MAINS DIMMABLE	POWER FACTOR	ABS PLASTIC CASE	4-YEAR WARRANTY

TECHNICAL DETAILS

Volka SKU	VL-TRI-90W-12V	VL-TRI-90W-24V
Output Voltage	DC 12 V	DC 24 V
Output Current	7.5 A	3.75 A
Output Power	90 W	
AC Input	100–240 VAC · 50/60 Hz	
Efficiency (full load)	91% @ 230VAC	92% @ 230VAC
Power Factor	PF > 0.95	
THD / Standby Power	< 10% · < 1 W	
Dimming	TRIAC — leading & trailing edge mains dimmers	
Protection	Short-circuit, over-voltage & overload (auto-recover)	
Surge / Isolation	L-N 2 kV · L/N-PG 4 kV · I/P–O/P 3.75 kVAC	
Safety Standards	IEC/EN 61347-1 · 61347-2-13	
Working Temp.	−25 ~ +45 °C (Tc 85 °C)	
Housing / IP Rating	Plastic, indoor · IP20 (indoor only)	
Dimensions / Weight	195 × 66 × 30 mm · 0.75 kg	
Lifetime	50,000 hours	
Certification	SAA · RCM · CE · ETL · RoHS	
Warranty	4 Years	

DIMENSIONS & MOUNTING



195 × 66 × 30 mm

PRODUCT VIEW



ORDERING INFORMATION

Volka SKU	Series Model	Output Voltage	Output Current	Power	IP Rating
VL-TRI-90W-12V	PV090T12	DC 12 V	7.5 A	90 W	IP20
VL-TRI-90W-24V	PV090T24	DC 24 V	3.75 A	90 W	IP20

Dimming: wire the TRIAC wall dimmer into the AC mains side (Active / Neutral) ahead of the driver — leading- or trailing-edge both work. **Suitable for direct-drive LED loads only** — not for fittings that contain their own driver or present a capacitive load.

Specifications are subject to change without notice. © Volka Lighting.