POWER SOURCE

Mains AC Phase Triac Dimmable LED Driver with PWM Output

BTV-150 series

IP20 SELV

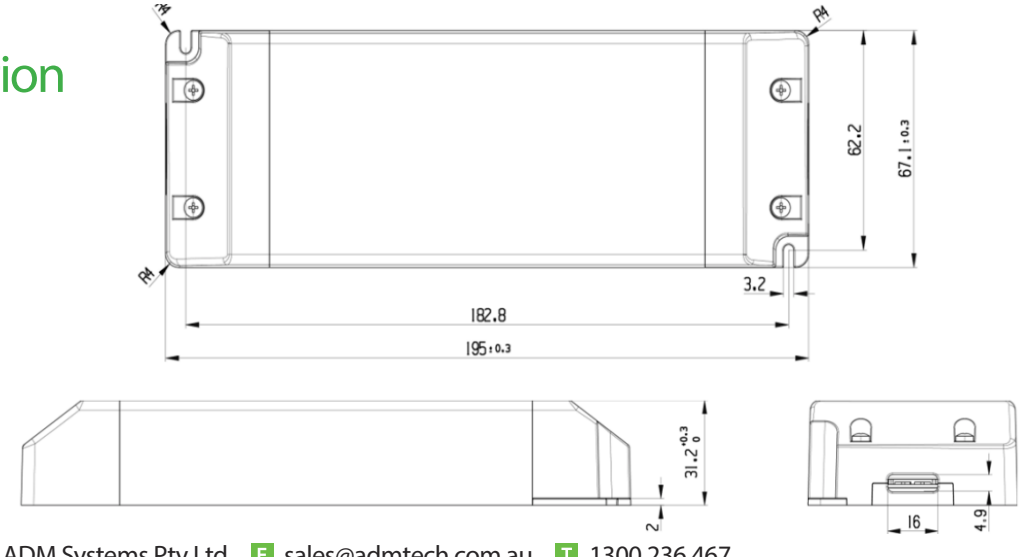
Features:

- Constant Voltage output
- Mains AC Phase Triac Dimmable LED Driver
- Protections: Short Circuit/Over Load/Over Voltage/ Over temperature
- Class II Power Supply
- IP20 Design for indoor installation
- Cooling by Free Air convection
- Factory fitted flex and AU Plug
- Certified Level 3 for residential applications
- 5 year warranty

Model		BTV-150-24
Output	DC voltage	24V
	Voltage tolerance	±5%
	Rated current	6.25A
	Rated power	150W
Input	Voltage range	220-240VAC
	Frequency range	50-60Hz
	Power factor	PF ≥ 0.9/230VAC/50Hz
	Full load efficiency (Typ.)	90%
	AC current (Max.)	1A
	Leakage current	Max 0.7mA 230VAC/50Hz Full load
	Inrush current	Cold start <75A at 230VAC/60Hz
Protection	Short Circuit	Hiccup - recovers automatically
	Over Load	Hiccup - recovers automatically
	Over Voltage	1.5 times of rated output voltage. Cycle power to recover
	Over Temperature	IC detect TC = 110°
Environment	Working TEMP	-20~+45°C (refer to derating curve)
	Humidity	15-90% RH
Safety & EMC	Safety Standards	AS/NZS 61347-1, 61347-2-13
	Withstand voltage	Min I/P-O/P: 3.75KVAC / 5mA. Max /60s
	Isolation resistance	I/P-O/P: ≥10MΩ/500VDC/25°C/70%RH
	EMC emissions (Note 3.)	EN IEC 61000-3-2, Class C. EN55015 (CSPR15)
Other	Net. weight	0.66kg
	Size	195*67.1*31.2mm (L*W*H)
Notes	1. The power supply is considered as a component that is operated in combination with final equipment. EMC performance could be affected by the complete installation. Original equipment manufacturers may need to conduct additional EMC testing and certification on the final equipment. 2. Recommended loading range from 10% to 100%. 3. Specifications are subject to change without prior notice. Contact ADM to confirm any critical parameters.	

Mechanical Specification

- Connect LED to LED driver via screw terminals under removable cover. Positive (LED+), Negative (LED-).
- Incorrect wiring could result in damage to the power supply, which is not covered by the warranty.
- Contact ADM with specific input, or output configuration requests.



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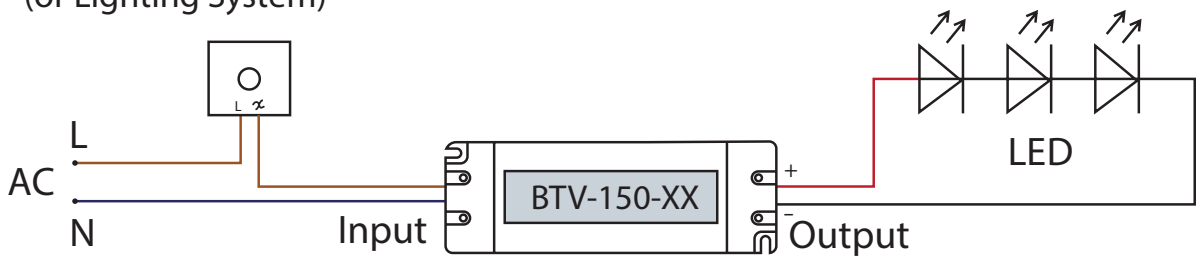
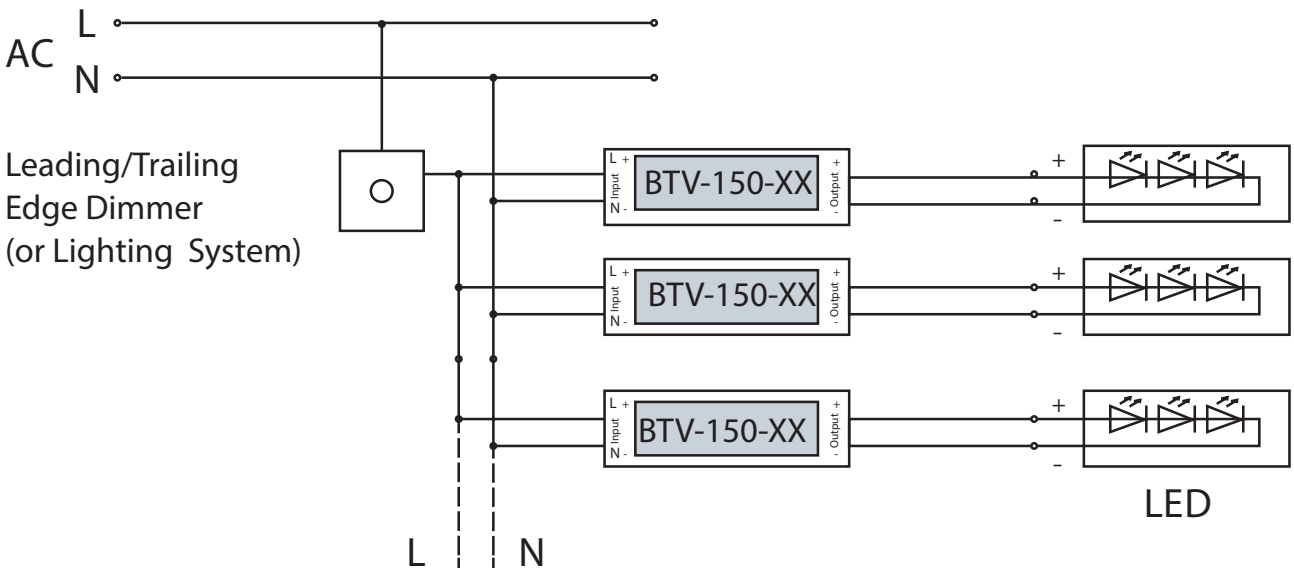
Single Drivers Connection Diagram

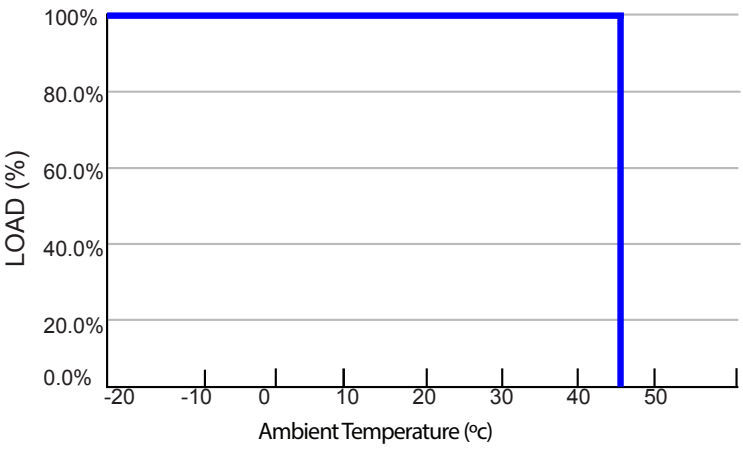
Compatiable with most Leading Edge and Trailing Edge dimmers. The unique combination of dimmer, LED driver and light fitting will determine good dimming performance. It is highly recommended to test the compatibility of a lighting system before mass installation is complete



Multiple Drivers Connection Diagram



De-rating Curve



Instruction:

1) This LED driver should be installed by a qualified electrician.
2) Please make sure the LED driver is installed with adequate ventilation around it to allow for heat dissipation.
3) Ensure that all wiring is correct before testing in order to avoid damage to the LED driver, or the LEDs.

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