



150W TRC-150 Series

Switch Mode LED Drivers

Constant Current

Aluminum Housing

Electrical Specifications

Input Voltage Range:	100 - 277 Nom. Vac (90 - 305 V Min/Max)
Frequency:	50/60 Hz Nom. (47-63 Hz Min/Max)
Power Factor:	>0.90 @ full load, 100V through 277V
Inrush Current:	65 Amps max @ 230 Vac, cold start 25°C
Input Current:	1.8 A max 100Vac, 0.9 A max 220Vac
Maximum Power:	150W
Line Regulation:	± 1%
Load Regulation:	± 3%
Leakage Current:	1 mA 277 VAC 60Hz
Typical Efficiency	89-91% at 277VAC
Turn-on Delay:	0.5S typical 110Vac, 0.3S typical 220Vac
Ripple and Noise:	3% V _o
Protection:	Over-Voltage, Over-Temperature (110°C), Lightning, and Short Circuit Protection with Self Recovery

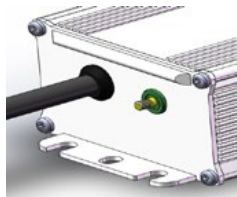
Environmental Specifications

Max Case Temperature:	350mA, 450mA, 700mA Tc= 88.2°C, all others Tc= 90°C
Storage Temperature:	-40°C to +85°C
Minimum Starting Temp:	-35°C
Humidity:	5% to 100%
Cooling:	Convection
Sound Rating:	Class A
MTBF:	- 250,000 Hrs (350mA model) @110Vac input, 80% load, 25°C ambient conditions per MIL-HDBK-217F - 195,000 Hrs (5950mA model) @110Vac input, 80% load, 25°C ambient conditions per MIL-HDBK-217F
Lifetime:	- 90,000 Hrs (350mA model) @ 220Vac, 80% load, 60°C case temp. - 50,000 Hrs (5950mA model) @ 220Vac, 80% load, 60°C case temp.
Weight:	3.31 lbs. (1.5 kg)

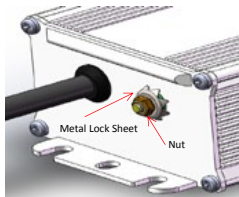


- Total Power: 150 Watts
- Input Voltage: 100-277 Vac Nom.
- UL Dry & Damp Location Rated
- IP67
- Ultra-high Efficiency
- High Power Factor with Active Correction
- UL8750

New Surge Protection and HI-POT Testing



HI-POT Test



Normal Application

The new design of this LED driver provides 1.4KV surge protection. To properly HI-POT test this unit, the surge protection must be disconnected. The screw, nut, and metal lock sheet on the input side of the driver provide for this. To test, first remove the nut and lock sheet as shown. After testing, secure the nut and lock sheet to provide line-to-earth protection.

This HI-POT test feature is available on product manufactured after August 15, 2015.

Constant Current - Product Specifications

Model Name	Output Current (mA)*	Output Voltage Range (Vdc)	Max Output Power (W)	Typical Efficiency
TRC-150S035ST	350	256-428	150	92%
TRC-150S045ST	450	200-333	150	92%
TRC-150S070ST	700	128-214	150	92%
TRC-150S105ST	1050	85-142	150	92%
TRC-150S140ST	1400	64-107	150	92%
TRC-150S175ST	1750	51-85	150	91%
TRC-150S210ST	2100	42-71	150	91%
TRC-150S245ST	2450	36-61	150	90%
TRC-150S280ST	2800	31-53	150	90%
TRC-150S315ST	3150	28-47	150	90%
TRC-150S350ST	3500	25-42	150	90%
TRC-150S420ST	4200	21-35	150	89%
TRC-150S490ST	4900	18-30	150	89%
TRC-150S595ST	5950	15-25	150	88%

* The output current is adjustable at factory from 50% to 100%.

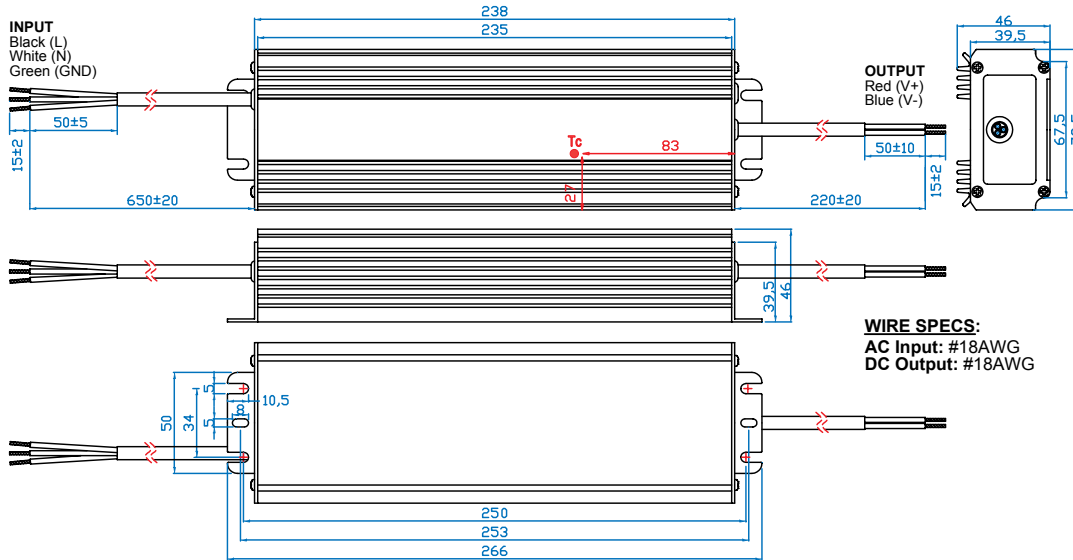


Note:

LED drivers are designed and intended to operate LED loads only. Non-LED loading may be outside the specified design limits of our LED drivers, and therefore cannot be covered by any warranty. If you desire to use our LED drivers to operate non-LED loads please contact us to discuss compatibility.

Specifications subject to change without notice.

Rev 9-1-15



Safety and EMC Compliance

UL/CUL	UL8750, Compliance to UL1012, UL935, CAN/CSA-C22.2 No. 0, CSA-C22.2 No. 107.1-01, CSA-C22.2 No. 250.0
C E	EN 61347-1, EN61347-2-13
EN 55015	Conducted emission Test & Radiated emission Test
EN 61000-3-2	Harmonic current emissions
EN 61000-3-3	Voltage fluctuations & flicker
EN 61000-4-2	Electrostatic Discharge (ESD): 8 kV air discharge, 4 kV contact discharge
EN 61000-4-3	Radio-Frequency Electromagnetic Field Susceptibility Test-RS
EN 61000-4-4	Electrical Fast Transient / Burst-EFT
EN 61000-4-5	Surge Immunity Test: AC Power Line: line to line 4 kV, line to earth 6 kV
EN 61000-4-6	Conducted Radio Frequency Disturbances Test-CS
EN 61000-4-8	Power Frequency Magnetic Field Test
EN 61000-4-11	Voltage Dips
EN 61547	Electromagnetic Immunity Requirements Applies to Lighting Equipment

