

RA48-75W

75W 1-Channel Power Supply For 48V SMARTTrack
(1x75, 70W max per Channel)

Features:

- The only UL Listed LED Driver on the market, enabling drastically reduced approval times and agency approval costs
- Plug-and-Play Conduit Entry and Wiring Compartments.
- Eliminates need for external Junction boxes.
- Wide Input Voltage: 90-305 VAC
- User Adjustable Output Voltage/Current High Efficiency: Active PFC
- Extremely Low operating temperature -40°C to 60°C
- SCP, OCP, OTP, OVP
- Remote Dimming Options
- 3 Years Warranty

Input Specification:

Voltage Range	Frequency Range	Max Inrush Current	Power Factor
90-305 VAC (NOM: 120/240/277 VAC)	47-63 Hz	50A@230 VAC input, 25°C, cold start-up	0.9 min @100-277 VAC, Full load

Output Specification:

Max Power: 75 W
Line Regulation: +/- 1% Max
Efficiency: 230 VAC input, full load
Noise/Ripple: 1.5% of Rated Output Voltage
Start-up Time: 2 sec. Typical@ start-up to full load, 120VAC input
Hold-up Time: 2 mS @ full load, 120VAC input
Transient Response: 8 mS, full load to Half load, 120 VAC Input
Short Circuit Protection: Hiccup-Mode, Auto-Recovery upon removal of short circuit condition.
Constant Voltage (CV) Mode Load Regulation: +/- 5% Max (Voltage Setting Adjustable via on-board pot: +5%/-30%)
Constant-Current (CC) Mode Regulation: +/- 5% Max (Current Setting Adjustable via on-board pot: +5%/-90%)
Over Voltage Protection: 132% Max
Over Temperature Protection: 105°C Max, Hiccup-Mode, Auto-Recovery

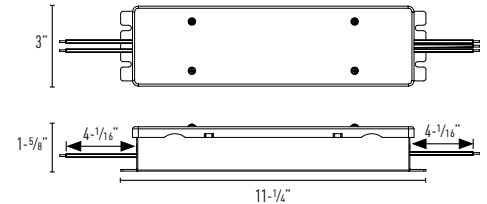
Environmental Specifications:

MTBF	Cooling Operating	Operating Temp	Temp Storage	Relative Humidity
55,000 hours (Full load @ 25°C Ambient, Based on MIL-217F)	Convection	-40°C- 60°C (Full load)	-40°C- 85°C	5% - 95%

Compliance / Safety:

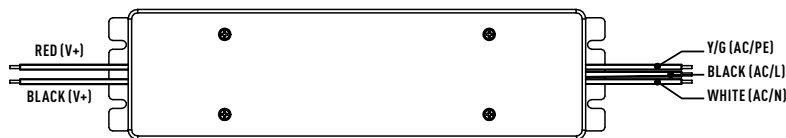
EMI/RFI:	Safety Standards:	Weatherability:
CISPR-22 Class B FCC part 15 Class B EN 55015	UL 1012/1585, UL8750, UL Class 2 Wet locations , UL 48,cUL, CE, UL #: E342485	EN60529 IP 65

JOB NAME	CATALOG NUMBER
NOTES	TYPE



RA48-75W

Nominal Voltage (V) per Channel: 48
CV mode Voltage POT Adjust Range (V): 33.6 - 50.4
CC mode LED Voltage Range (V): 24 - 48
Current POT Adjust Range (A): 0.16 - 1.64
Class 2 Max Output Current: 1.56
Max Ripple/ Noise (mV pp): 720
Efficiency: 89%
Max Output Power (W): 75
Input / Output Wire Gauge (AWG): UL3135 rated, 18AWG



Remote Distance Guide For 48V Power Supply

Wire Gauge (AWG)	Max Distance
12AWG Feed	150ft
14AWG Feed	100ft
18AWG Feed	40ft