

Features

LED DRIVER

- Universal AC Input
- Constant Voltage / Constant Current Operation
- CE and UL Certified Class 1 LED Driver
- Active Power Factor Correction
- IP67 Design for Indoor and Outdoor Use
- Cooling by Free Air Convection

Selection Guide

Part	CV Mode		CC Mode		Efficiency (230VAC) (typ.)
	Constant Voltage (V)	Current Range (A)	DC Voltage Range (V)	Constant Current (A)	
RACD150-24	24	0-6.3	14-24	6.3	90%
RACD150-36	36	0-4.2	26-36	4.2	90%
RACD150-48	48	0-3.2	34-48	3.2	90%

Specifications

Input Voltage Range	90-305 VAC or 127-430VDC	
Input Frequency Range	47-63Hz.	
Power Factor	Full Load, 115VAC	>0.98
	Full Load, 230VAC	>0.95
	Full Load, 277VAC	>0.94
AC Current	115VAC	2A max.
	230VAC	1A max.
Input / Output Isolation	3.75kVAC	
Input / Case Isolation	1.8kVAC	
Output / Case Isolation	0.5kVAC	
Leakage Current	240VAC	<0.5mA
Voltage Tolerance	-1% to 5%	
Set up Time (@ Full Load)	115VAC	1.0s
	230VAC / 277VAC	0.8s
Ripple & Noise	48V Version	200mV max.
	others	150mV max.
Over Current Protection	95%-105% rated current	Auto-Recovery
Short Circuit Protection	Hiccup Mode	
Over Voltage Protection	24V	29V typ.
Latch Mode (Power off to recover)	36V	45V typ.
	48V	56V typ.
Over Temperature Protection	Tcase 95°C ±10°C	
Operation Temperature	(Refer to Output Load Derating Curve) -30°C to +70°C	
Operation Humidity	20%-90% RH Non-Condensing	
Storage Temperature	-40°C to +80°C	
Storage Humidity	10%-90% RH	
Vibration	2G 10min/1Cycle, Period for 60 min	10-500Hz
IP Rating	IP67	
Safety Standards	UL/cUL LED Lighting Safety (E340696)	cUL8750
	CE LVD Directive, Safety	EN61347-2-13
EMC Standards	EMC Compatibility	EN55015 FCC, Part 15
	Harmonic Current	EN61000-3-2 Class C (≥75% load) EN61000-3-3
	EMC Immunity	EN61000-4-2, 3, 4, 5, 6, 11
Dimension	222*68*39mm	
Weight	940g	
MTBF	using MIL-HDBK-217F (25°C)	200 x 10 ³ hours

RACD150

LIGHTLINE
AC/DC-Converter
with 5 Year Warranty

RECOM

**150 Watt
Single
Output**



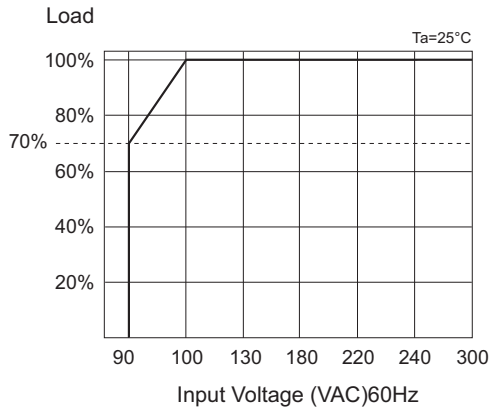
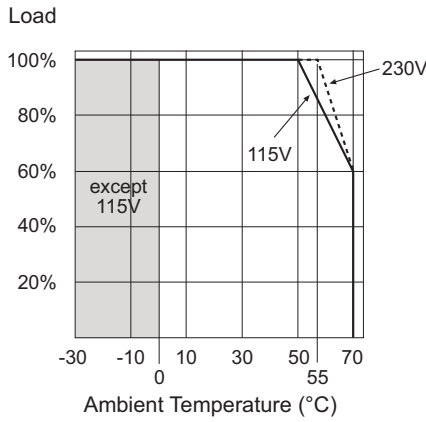
UL
E340696



**UL 8750 Certified
EN 61347 Certified**

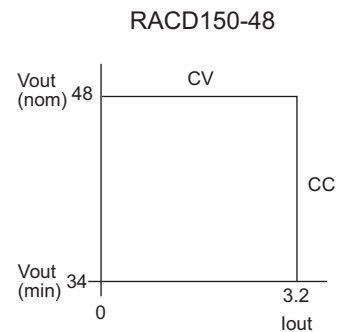
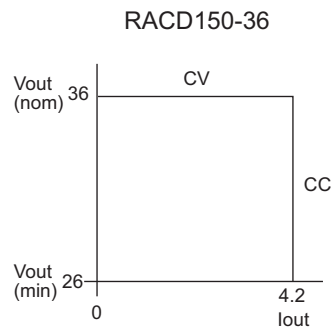
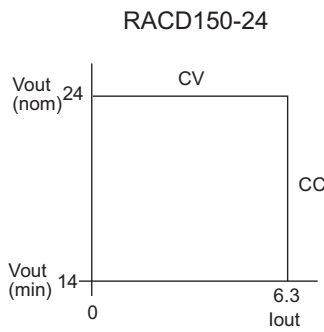
RACD150

Derating Curve



Characteristics

Constant Voltage / Constant Current Curve



Package Style and Pinning

3rd angle projection

