

Features

LED DRIVER

- Universal AC Input 90-295VAC
- 250mA, 350mA, 500mA, 700mA Output
- Constant Current Operation
- Isolation 3.75kVAC
- Overcurrent and Short Circuit Protection
- IP67 Rated

LIGHTLINE
AC/DC-Converter
with 3 year Warranty

RECOM

Selection Guide

Part Number	Rated Power (W)	Output Current (mA)	Output Voltage (VDC)	Constant Current Range (VDC)	Efficiency (min.)
RACD07-250	7	250	28	14 - 28	75%
RACD07-350	7	350	21	10 - 20	70%
RACD07-500	7	500	14.5	5 - 14.5	70%
RACD07-700	7	700	11	3 - 10.5	70%

Specifications (measured at 115VAC / 230VAC and 25°C ambient temperature)

Input Voltage Range	90-295 VAC
Rated Power	7W nom.
Input Frequency Range	47-63Hz
Current Accuracy	±3% typ. / ±7% max.
Output Current Ripple	30mA p-p typ.
Voltage Accuracy (includes load, line and tolerance)	±5%
AC Input Current	0.2A
Start-up Time	<1S
Hold-Up Time	18ms min.
Operating Frequency	45kHz
Isolation Voltage	3.75kVAC / 1 minute
Short Circuit Protection	Continuous
Over Current Protection	Constant Current Mode Protection
Overload Protection	105% - 120% typ.
Output Overvoltage Protection	Zener Diode Clamp
Storage Humidity	10% - 90% RH
Operating Humidity	20% - 90% RH Non-Condensing
Weight	74g
Dimension	57 x 41 x 24mm
Packing Quantity	100pcs / Carton
Operating Temperature Range (free air convection)	Ambient Temperature -20°C to +40°C
Storage Temperature Range	Case Temperature 65°C max.
IP Rating	-40°C to +80°C
Isolation Resistance	IP67
PCB Material	100MΩ / 500VDC at 25°C
Case Material	Plastic Resin with Fibreglass
Safety Standards	Plastic
UL General Safety (E340696)	UL8750 (based on 1310)
General Safety (Report 1201032E-01)	EN61347-1
LVD Safety (Report PSE101-0791)	EN61347-2-13
EMC Harmonics (Report 1201032E-01)	EN61000-3-2
EMC Flicker (Report 1201032E-01)	EN61000-3-3
EMC Emissions (Report 1201032E-01)	EN55015

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7 Watt
Single
Output



UL 8750 Certified
EN 61347 Certified
EN 61347-2-13 Certified

RACD07

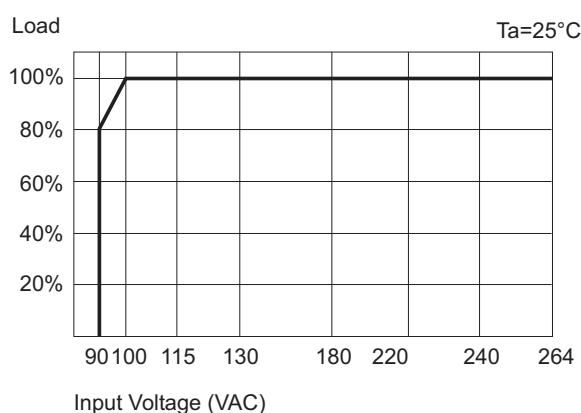
Specifications (measured at 115VAC / 230VAC and 25°C ambient temperature)

Design Lifetime	70 x 10 ³ hours max.
MTBF (+25°C)	200 x 10 ³ hours min. using MIL-HDBK 217F

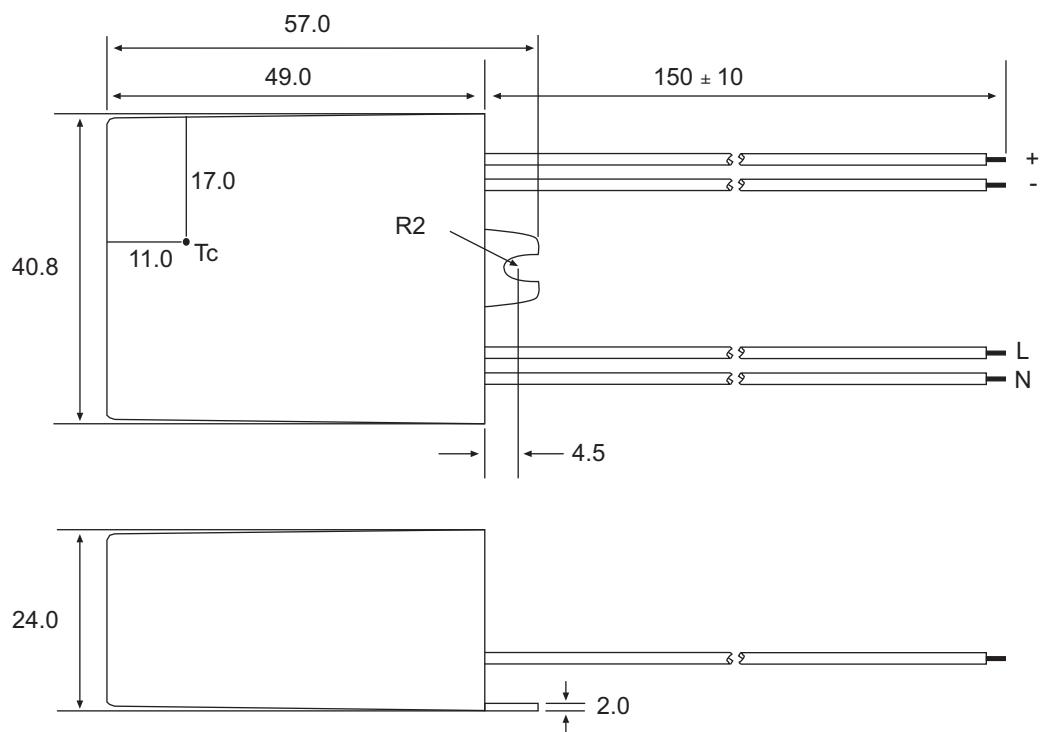
Notes:

1. All LED Drivers may not be used without a load. They must be switched on the primary side only. Noncompliance may damage the LED or reduce its lifetime.
2. The use of a circuit breaker with C-characteristic is recommended.

Typical Characteristics



Package Style & Pinning



The product information and specifications are subject to change without prior notice. All products are designed for non-safety critical commercial and industrial applications.
The Buyer agrees to implement safeguards that anticipate the consequences of any failures that might cause harm, loss of life and/or damage property.