

Features

LED DRIVER

- Constant Voltage Output
- ENEC, UL, RCM and CB Certified
- Power Factor Corrected
- Short Circuit, Overload and Overtemperature Protected

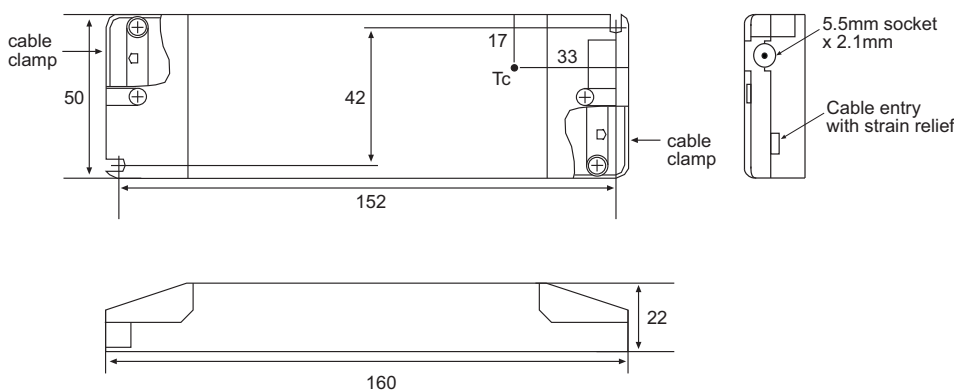
Selection Guide

Part Number	Input Voltage (VAC)	Output Voltage (VDC)	Output Current (mA)	Efficiency typ. (%)
RACV30-24	100-240	24	0-1250	84
RACV30-12	100-240	12	0-2500	83

Specifications (typical at 25°C, nominal input voltage and full load)

Input Voltage Range	90-264VAC or 140-370VDC	
Input Frequency Range	47-63Hz	
Input Current	Full Load	< 380mA
Power Factor Correction	Full Load	>0.92
THD	Full Load, 115VAC	12% max.
Inrush Current	(2ms peak)	30A max.
Input Fuse	internal 2A/250V	
Output Voltage Accuracy	(Output Load min <-> max)	±5%
Load Regulation	(Output Load min <-> max)	2% max.
Line Regulation	(VACin min <-> VACin max)	2% max.
Output Ripple	3% max.	
Operating Frequency	≤125kHz	
Isolation Voltage	3kVAC / 1 minute	
Operating Temperature Range (free air convection, according to CE/UL)	Ambient Temperature	-20°C to +50°C
	Case Temperature	85°C max.
Operating Temperature Range (free air convection, according to ENEC)	Ambient Temperature	-20°C to +50°C
	Case Temperature	85°C max.
Humidity	85% RH max.	
Case Material	Epoxy UL94V-0	
Weight	RACV30-24	167g
	RACV30-12	170g
MTBF	MIL STD 217F	30x10 ³ hours
Design Lifetime	70 x 10 ³ hours max.	
EMC Standards	EN55015 FCC18A	
Screw Terminal Specification	14AWG or 2.5mm ²	
Connector Plug Specification	5.5mm connector	
Short Circuit Protection	Current Limit, Automatic Restart	
Overload Protection	Full Load	110~160%
Overtemperature Protection	T _j =110°C	Automatic Restart

Package Style and Pinning



LIGHTLINE
AC/DC-Converter
with 5 year Warranty

RECOM

30 Watt PFC Single CV Output



EN61347-2-13 Certified
cUL-8750 Certified

RACV30

Note:

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.

Connections

CN1	Function
L	VAC in (L)
N	VAC in (N)
CN2	Function
+	LED+
-	LED-
5.5mm Socket*	Function
Pin	LED+
Shell	LED-

Tolerance
XX = +/-1mm
XX.X = +/-0.5mm

Refer to Application Notes

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.