

Features

LED DRIVER

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

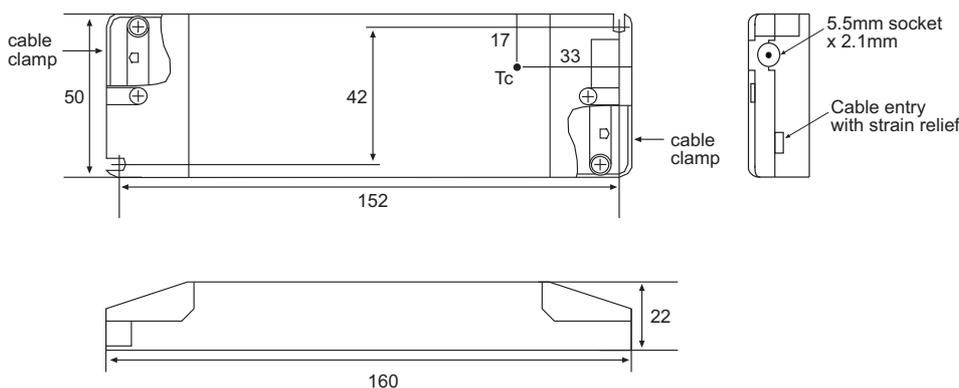
Selection Guide

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



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

LIGHTLINE
 AC/DC-Converter
 with 5 year Warranty

RECOM

30 Watt PFC
Single CV
Output



EN61347-2-13 Certified
UL-8750 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.

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.