

Features

LED DRIVER

- High Output Voltage
- Universal AC Input
- Constant Current Operation
- Active Power Factor Correction
- IP67 Design for Indoor and Outdoor Use
- Compact Size

Selection Guide

Part	Nominal Voltage (VAC)	Rated Voltage (V)	Constant Current Range (V)	Rated Number Current (mA)	Efficiency (%)
RACD100-700*	100-277	142	100-142	700	91
RACD100-1400*	100-277	71	50-71	1400	91

*add suffix „A“ for PWM/DC 0-10V Dimming

Specifications

Input Voltage Range	90-305 VAC or 127-430VDC				
Input Frequency Range	47-63Hz.				
Power Factor	Full Load, 120VAC				>0.98
	Full Load, 240VAC				>0.94
	70% Load				>0.90
AC Current	120VAC				1.2A max.
	240VAC				0.6A max.
Input/Output Isolation	3.75kVAC				
Input/Case Isolation	1.8kVAC				
Output/Case Isolation	0.5kVAC				
Leakage Current	230VAC				<0.75mA
Inrush Current	240VAC				50A
Voltage Tolerance	-1% to 5%				
Current Tolerance	±5%				
Set up Time (@ Full Load)	240VAC				2s
Ripple & Noise (@20MHz bandwidth)	142V Version				1000mV max.
	71V Version				500mV max.
Over Voltage	110 - 140% Rated Voltage				Shutdown Mode
Short Circuit Protection	Hiccup Mode				
Over Temperature Protection	100°C ±10°C				
Operation Temperature	(Refer to Output Load Derating Curve)				-30°C to +55°C
Operation Humidity	20%-90% RH Non-Condensing				
Storage Temperature	-40°C to +80°C				
Storage Humidity	10%-95% RH				
Vibration	2G 10min/1Cycle, Period for 60 min				10-500Hz
IP Rating	IP67				
Safety Standards	UL/cUL LED Lighting Safety (Pending)				UL8750
	CE LVD Directive, Safety				EN61347-2-13
EMC Standards	EMC Compatibility				EN55015
					FCC, Part 15
	Harmonic Current				EN61000-3-2 Class C
	EMC Immunity				EN61000-3-3
Dimension					EN61000-4-2, 3, 4, 5, 6, 11
					EN61547
Weight	177*57*37mm				
MTBF	using MIL-HDBK-217F (25°C)				750g
	200 x 10 ³ hours				

LIGHTLINE
AC/DC-Converter
with 5 year Warranty

RECOM

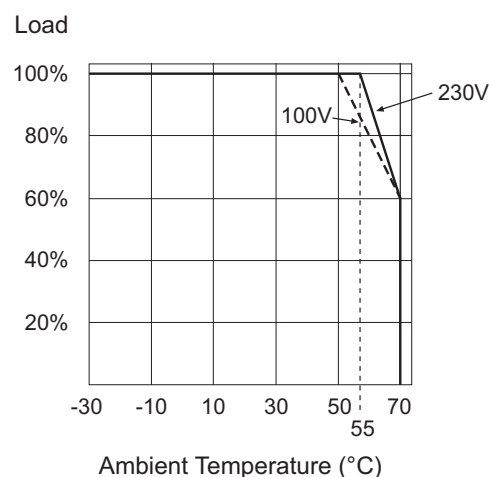
**100 Watt
Single
Output**



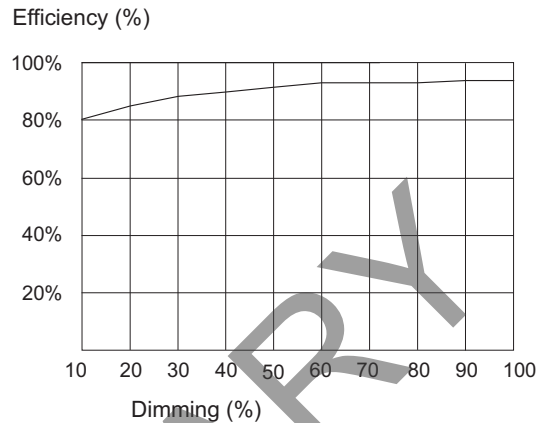
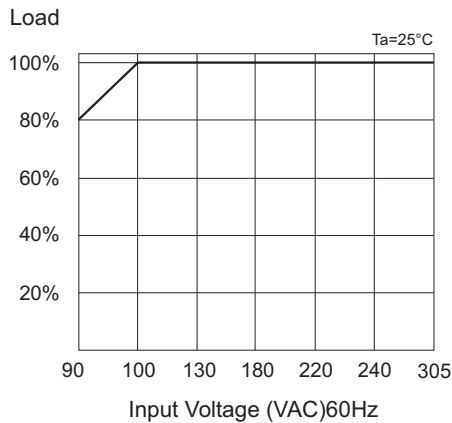
**UL 8750 Pending
EN 61347 Certified**

RACD100
(High Voltage)

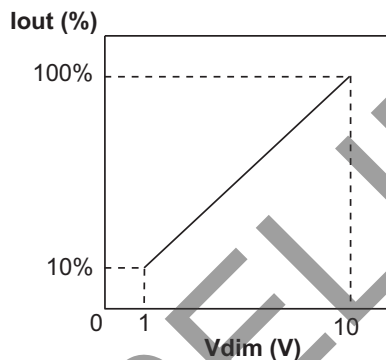
Derating Graph



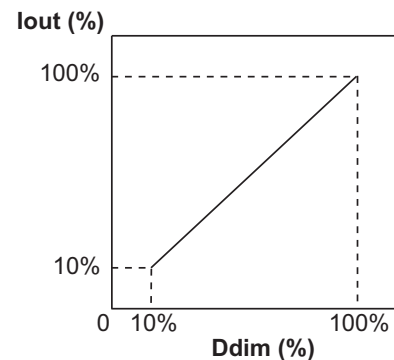
Derating Curve



DC Voltage Dimming Curve



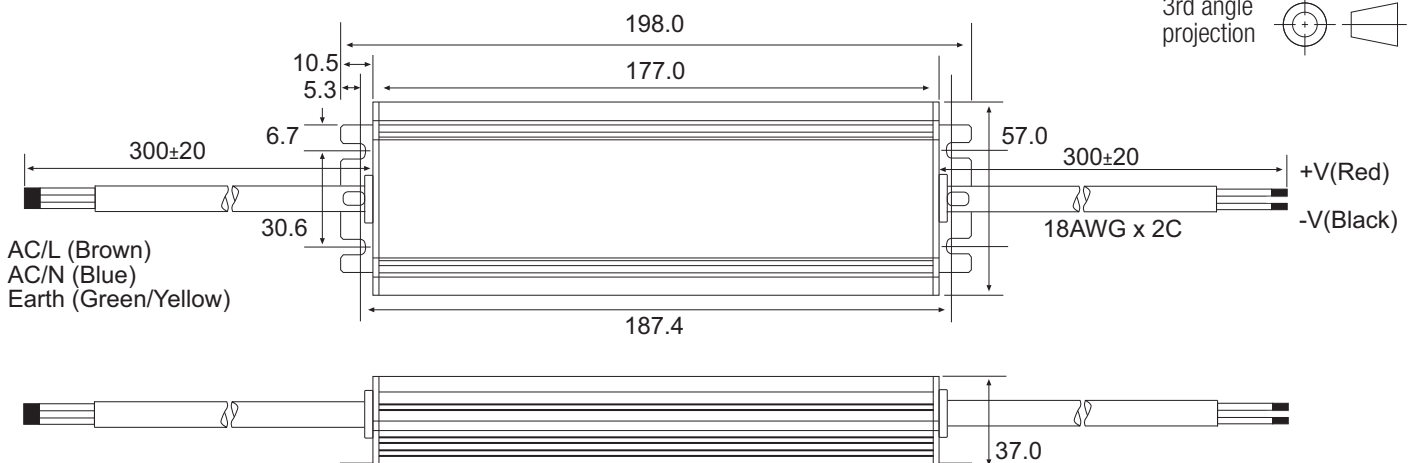
PWM Dimming Curve



Note: If need to control two or more drivers, please use a potentiometer

Pule: Hi = 10V, Low = 0V
Frequency: 500 - 3KHz

Package Style and Pinning



AMEYA360

Components Supply Platform

Authorized Distribution Brand :



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