Features

LED DRIVER

- 25W Class II AC-DC LED Power Supply
- 350, 500, 700, 1050mA or 2100mA Output
- Active Power Factor Correction > 0.90
- Efficiency up to 81%
- IP67 Certified
- 3 in 1 Dimming

Selection Guide				
Part Number	Rated Power	Output Current	Output Voltage	Efficiency (typ.)
	(W)	(mA)	(VDC)	(%)
RACD25-350A	20	350	48 - 57	79
RACD25-500A	24	500	36 - 48	81
RACD25-700A	25.2	700	24 - 36	80
RACD25-1050A	25.2	1050	12 - 24	80
RACD25-2100A	25.2	2100	9 - 12	79

Specifications (measured at 240VAC and 25°C ambient temperature)

Input Voltage Range		90-305 VAC			
Input Frequency Range		47-63Hz			
Power Factor	Full Load, 277VAC	>0.90			
	Full Load, 230VAC	>0.92			
	Full Load, 110VAC	>0.98			
AC Input Current	110VAC	0.4A			
	230VAC	0.2A			
Ilnrush Current (Max.)	264VAC	Cold Start 50A			
Leakage Current	230VAC	<0.25mA			
Output Current Accuracy (includes Lin	e Regulation, Load Regulation and set-up	tolerance) ±5%			
Isolation Voltage		3.75kVAC / 1minute			
Short Circuit Protection	Hiccup mode	Hiccup mode & recovers after fault condition removed			
Over Voltage Protection	115% - 135% Output Volt	115% - 135% Output Voltage auto-recovery			
Over Temperature Protection	Thermistor	105°C ± 10°C			
	Type	Latch Mode			
Dimming Control:	PWM	1 <adj<10v(500hz -="" 3khz)<="" td=""></adj<10v(500hz>			
	Analogue	control by external voltage 1-10VDC			
	Resistance	10K - 100KΩ			
Set Up Time	Full Load, 120VAC	2 sec			
Vibration	10-500Hz, 2G, 60 Min. along X, Y and Z				
Storage Humidity		10% - 95% RH			
Operating Humidity		20% - 95% RH Non-Condensing			
Weight		384g			
Dimension (LxBxH)		110 x 73.5 x 33mm			
Operating Temperature Range	Full load	-20°C to +50°C			
(free air convection 10LFM)	Case Temperature	85°C ± 10°C			
Storage Temperature		-40°C to +80°C			
IP Rating		IP67			
Isolation Resistance	500VDC	100ΜΩ			
MTBF (+25°C)	using MIL-HDBK 217F	200 x 10 ³ hours			
		continued on next page			

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LIGHTLINE

AC/DC-Converter with 5 year Warranty



25 Watt PFC **Single Output**





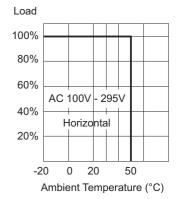


UL8750 Certified **EN61347** Certified **EN55015** Certified **EN61547** Certified

RACD25-A

Derating-Graph

(Ambient Temperature)



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

L-1



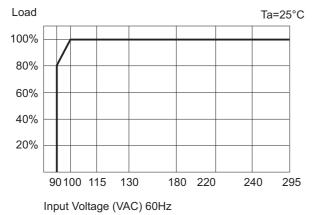
RACD25-A Series

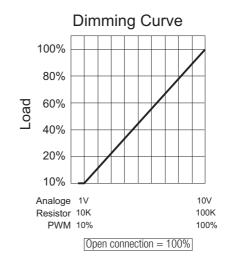
Specifications (measured at 240VAC and 25°C ambient temperature)

Certifications:		
UL Standards	Report: E340696	UL8750
		(based on) UL1310
Safety Standards	Report: P201403013	EN61347-1; EN61347-2-13
Emission	Report: HA130831-SACE	EN55015, Class B
		IEC61000-3-2
		IEC61000-3-3
FCC	Report: HA130831-SAFD	Part 15, Class B
EMC	Report: HA130831-SACE	IEC61000-4-2, 3, 4, 5, 6, 8, 11
Immunity		EN61547
IP67	Report: 14022002	IEC/EN 60598-1
		IEC/EN 60529

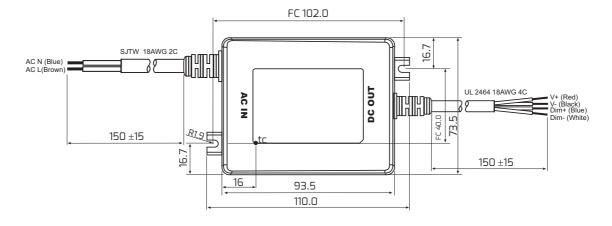
Technical Characteristic

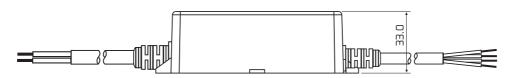






Package Style & Pinning





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.