Features LED DRIVER

Design Lifetime

- 20W Class II AC-DC LED Power Supply
- 350mA, 500mA, 700mA, 1050mA Output
- Universal AC Input (90-305VAC)
- Active Power Factor Correction
- Isolation Voltage 3.75kVAC
- Efficiency to 80%
- ENEC, UL, RCM and CB Certified
- Low Cost

Selection Guide				
Part	Input	Output	Output	Efficiency
Number	Range	Current	Voltage	
	(VAC)	(mA)	(VDC)	(typ.)
RACD20-350/277	90 - 305	350	28 - 57	80%
RACD20-500/277	90 - 305	500	20 - 40	80%
RACD20-700/277	90 - 305	700	14 - 29	80%
RACD20-1050/277	90 - 305	1050	10.8 - 19	80%

pecifications Input Voltage Range		90-305VAC or 130-430VD
Output Power Range	other types	10 Watts min., 20 Watts max
output i owei riange	1050mA Version	12 Watts min., 20 Watts max
Input Frequency Range	1000111/1 10101011	50/60 Hz typ
Power Factor	Full Load, 115VAC	>0.9
Towor Factor	Full Load, 230VAC	>0.9
	Full Load, 277VAC	>0.8
THD	Full Load, 115VAC/230VAC/277VAC	
Open Circuit Voltage	350mA Version	59 VD
opon on our voltage	500mA Version	44 VD
	700mA Version	33 VD
	1050mA Version	23 VD
Input / Output Isolation		3750 VAC / 1 minut
Operating Frequency		50/60 H
Overload Protection		105% ~ 1109
Weight		195
Dimension Drawing		80 x 74 x 26.5mr
THD		<20%
Temperature Coefficient		according to standard
Operating Temperature Range	Ambient Temperature	-20°C to +50°
(free air convection, according to CE/UL)	Case Temperature	80°C max
Operating Temperature Range	Ambient Temperature	-20°C to +50°
(free air convection, according to ENEC)	Case Temperature	85°C max
Storage Temperature		-40°C to +80°
Acoustic Noise		30dB (10cm
P Rating		IP6
Certifications		
	ENEC CE Certification, General Safe	,
	LED Lighting Safety (E340696)	UL1310 Class B, UL875
	,	51347.1:2002, IEC 61347-2-1
	Harmonics	EN61000-3-2 Class
	EMC	EN55015 Class
	PSE J61347-1(H20). J6	FCC Part 18 Class 31347-2-13(H21), J55015(H20

LIGHTLINE

AC/DC-Converter with 5 year Warranty



20 Watt PFC Single Output

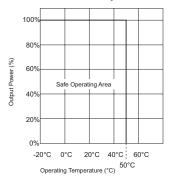


UL 8750 Certified ENEC 61347 Certified

RACD20/277

Derating-Graph

(Ambient Temperature)



Note:

50 x 10³ hours

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

RACD20/277 Series

Standard Application Circuit



Notes:

- LED power supply is internally fused. No external fuse is required.
- Do not connect or disconnect LED load while the converter is on. This may damage the LED or reduce its life.
- Class 2 Power supply

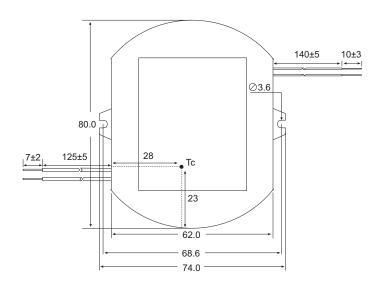
Characteristic

Maximum Number of LED drivers per circuit breakers

Condition	Circuit Breaker	Circuit Breaker Current			
	Тур	10A	16A	20A	25A
115VAC, 10hm 90° phase angle	С	47	68	84	105
230VAC, 10hm 90° phase angle	В	36	57	69	85
	С	57	87	109	134
277VAC, 10hm 90° phase angle	В	41	65	80	98
	С	65	99	125	154

Standard Package Style & Pinning





Wire Connections			
Wire	Function		
Brown	VAC in (L)		
Blue	VAC in (N)		
Red	LED+		
Black	LED-		
Tolerance			
XX = +1mm	ı/ -0.5mm		
XX.X = +/- (0.25mm		

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