

SPECIFICATION

Description	220-240V 0-10V Dimming LED Driver, Constant Current Driver
Electrical Characteristics	Ta = 25°C, 220-240Vrms input, standard reference load; unless otherwise specified
Class I, IP20, thermally protected 110°C, independent driver	

Product Name	LCM-100A
---------------------	----------

Input Parameters

Rated Input Voltage	Uin	220-240VAC
Input Current (Full load)	Iin	0.6A
Input Frequency	fin	50/60Hz
Maximum Input Power	Pin	115W
Power Factor (Full load)	λ	≥0.95
THD(Full load)		≤20%
Efficiency (Full load)	η	≥90%
No-load power		<0.5W
Inrush current		≤75A
Turn on time		≤500ms

Output Parameters

Output Voltage	Vout	64~96V	64~96V	64~96V	64~96V
Output Current (Full load)	Iout	700mA±5%	850mA±5%	900mA±5%	1050mA±5%
Output Power (Full load)	Pout	68W	81W	86W	100W
Operating Frequency(Full load)	Fout	65-180KHz			
Ripple & Noise		≤150mA			
Load Regulation		≤3%			
Line Regulation		≤3%			

Ambient

Storage Temperature	ts	-20 ...+ 70°C
Operating Ambient Temperature	ta	-20 ...+ 50°C
Case Temperature at tc Point	tc	+85°C
Relative humidity	RH	5 ...85%

Protection

No Load		Auto-recovery if fault is removed
Over Load		Auto-recovery if fault is removed
Short Circuit		Auto-recovery if fault is removed

System Parameters

Hi-pot		3.75KVAC, Ileakage<5mA, 60s
Average Service Life		50,000Hours
Dimmable		0-10V

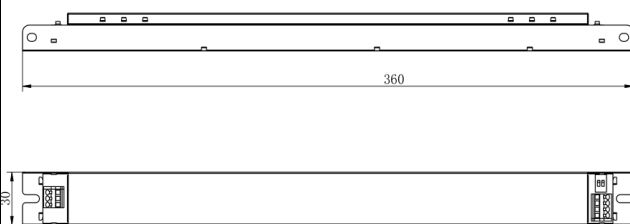
Compliances and approvals

Safety		EN 61347-2-13
RFI		EN 55015
Harmonics		EN 61000-3-2 Class C
Immunity		EN 61547

Note

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
3. Expected Life:tc=85°C,0.2%/1000h failure rate

Physical Parameter



Dimensions(LxWxH): 360mmx30mmx21.5mm

Housing Material:steel

Captured Terminal Screw for 0.5~0.75mm²

