

SPECIFICATION

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

Product Name	LC-45D						
---------------------	--------	--	--	--	--	--	--

Input Parameters

Rated Input Voltage	Uin	220-240VAC						
Input Current (Full load)	Iin	0.15A	0.2A	0.23A	0.26A			
Input Frequency	fin	50/60Hz						
Maximum Input Power	Pin	29W	39.0W	48.0W	51.0W			
Power Factor (Full load)	λ	0.80C	0.90C	≥0.95				
THD(Full load)		≤40%	≤25%	≤15%				
Efficiency (Full load)	η	≥85%			≥87%			
No-load power		≤0.5W						
Inrush current		≤20.0A@300uS						
Turn on time		≤700ms						

Output Parameters

Output Voltage	Vout	25-70V	25-70V	25-70V	25-64V	25-56V	25-50V	21-43V
Output Current (Full load)	Iout	350mA±5%	500mA±5%	600mA±5%	700mA±5%	800mA±5%	900mA±5%	1050mA±5%
Output Power (Full load)	Pout	24.5W	35W	42W	45W			
Operating Frequency(Full load)	Fout	80KHz			60KHz			
Ripple & Noise		≤210mA						
Load Regulation		≤5%						
Line Regulation		≤5%						

Ambient

Storage Temperature	ts	-20 ... + 70°C
Operating Ambient Temperature	ta	-20 ... + 50°C
Case Temperature at tc Point	tc	80°C
Relative humidity		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

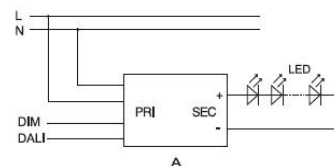
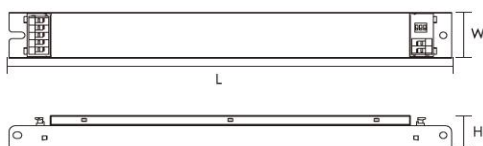
Withstand voltage	1.5KVAC, Ileakage<5mA, 60s
Expected Life	50,000Hours

Compliances and approvals

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

1. All parameters NOT specially mentioned are measured at 240VAC 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=80°C, 0.2%/1000h failure rate

Physical Parameter



Dimensions(LxWxH): 280x31x22mm

Housing Material:steel

Captured Terminal Screw for 0.75~0.75mm²