

**SPECIFICATION**

Description	220-240V 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, built-in use	

<b>Product Name</b>	LFM-40L
---------------------	---------

**Input Parameters**

Rated Input Voltage	Uin	220-240VAC			
Input Current (Full load)	Iin	0.23A			
Input Frequency	fin	50/60Hz			
Maximum Input Power	Pin	47W			
Power Factor (Full load)	λ	≥0.95			
THD(Full load)		≤40%	≤15%		
Efficiency (Full load)	η	≥88%	≥88%	≥87%	≥87%
No-load power		≤0.5W			
Inrush current		≤50A			
Turn on time		≤500ms			

**Output Parameters**

Output Voltage	Vout	42-58V			
Output Current (Full load)	Iout	350mA±5%	500mA±5%	550mA±5%	700mA±5%
Output Power (Full load)	Pout	20W	29W	32W	40W
Operating Frequency(Full load)	Fout	75KHz	70KHz	65KHz	60KHz
Ripple & Noise		≤60mA	≤80mA	≤80mA	≤100mA
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		3.75KVAC, Ileakage<5.0mA, 60s
Expected Life		50,000Hours

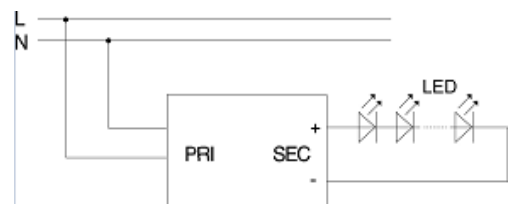
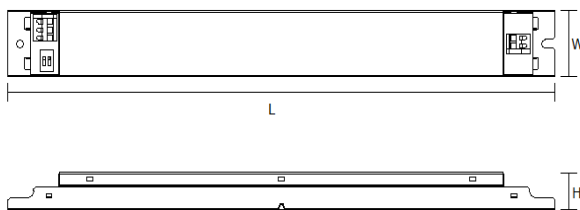
**Compliances and approvals**

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

**Note**

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): 280x30x17mm

Housing Material:steel

Push wire connections:0.5-0.75mm<sup>2</sup>