

SPECIFICATION

Description	220-240V LED Driver, Constant Voltage Driver
Electrical Characteristics	T _a = 25°C, 220-240Vrms input, standard reference load; unless otherwise specified
Class II, IP20, thermally protected 110, independent driver	

Product Name	LT-75-24
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Input Parameters

Rated Input Voltage	U _{in}	220-240VAC
Input Current (Full load)	I _{in}	0.5
Input Frequency	f _{in}	50/60Hz
Maximum Input Power	P _{in}	85W
Power Factor (Full load)	λ	≥0.95
THD(Full load)		≤15%
Efficiency (Full load)	η	≥90%
No-load power		≤0.5W
Inrush current		≤50.0A
Turn on time		≤500ms

Output Parameters

Output Voltage	V _{out}	24V±5%
Output Current (Full load)	I _{out}	3.125A
Output Power (Full load)	P _{out}	75W
Operating Frequency(Full load)	F _{out}	130KHz
Ripple & Noise		≤500mV
Load Regulation		≤5%
Line Regulation		≤5%
Pst LM		≤1
SVM		≤0.4

Ambient

Storage Temperature	t _s	-20 ... + 70°C
Operating Ambient	t _a	-20 ... + 50°C
Case Temperature at t _c Point	t _c	90°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

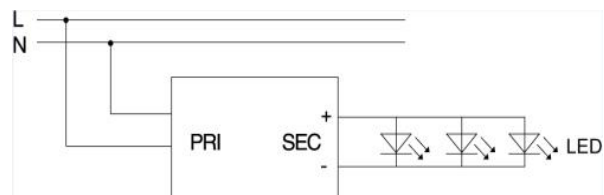
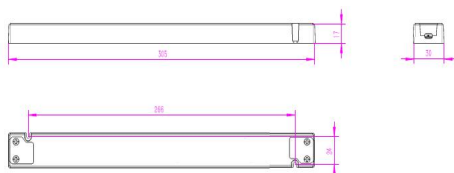
Hi-pot	3.75KVAC, I _{leakage} <5mA, 60s
Average Service Life	50,000Hours

Compliances and approvals

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

Note

- All parameters NOT specially mentioned are measured at 240VAC input, rated load and 25 of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
- Expected Life:t_c=90°C, 0.2%/1000h failure rate

Physical Parameter

Dimensions(LxWxH): 305x30x18.2mm

Housing Material:PC Plastic

Captured Terminal Screw for 0.75~2.5mm2