



R-71009342
IS 15885(PART 2/SEC 13):2012

High performance Single stage LED driver up to 30W for Street /Flood Light application. High Efficiency & stable performance makes this driver as ideal choice for Long Life LED lighting Solutions

Features:

- High Efficiency leads to Highest Efficacy
- Wide Input Operating range
- Very Low THD & Excellent line regulation
- Power Factor corrected
- Protections- over Voltage, Over Load, short circuit, Thermal
- Input HV Shut Down & 440V sustain
- Low voltage Protection
- Aluminium Casing

Applications:

1. Street Light
2. Flood Light

Technical Specification :

Important Technical parameters are shown in this table.

Parameter		SP30W	SP24W	SP18W
Output	Voltage	90V/60V DC	72V/48V DC	54V/36V DC
	Current	300mA/450mA	300mA/450mA	300mA/450mA
	Regulation	3%	3%	3%
Input	Supply Range	100-300V AC , 47-63Hz		
	Efficiency	90%	89%	90%
	PF	0.99	0.99	0.99
	Surge	3KV	3KV	3KV
	THD	<15%	<15%	<15%
	Power	30W	24W	18W
	I _{max}	0.20A	0.20A	0.15A
Protection	Input HV	Yes	Yes	Yes
	Input LV	Yes	Yes	Yes
	Short Circuit	Yes	Yes	Yes
	Thermal	Yes	Yes	Yes
	440V Sustain	Yes	Yes	Yes

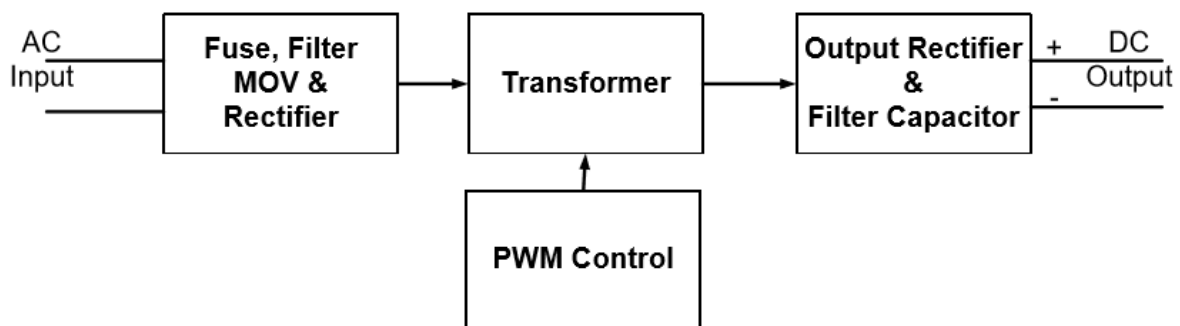
Note-

- Efficiency, THD is measured at 230VAC input, rated load and 25 deg. of ambient temperature
- Line Regulation is measured for 150-300VAC Range
- Imax is mentioned at 100V AC input

Other Specification :

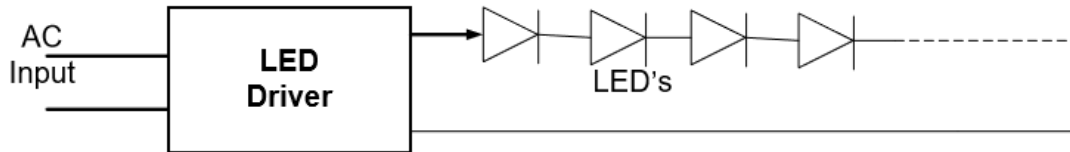
- Environment
 - Storage Temperature/humidity- -40 deg to 85 deg. /10-95% RH
 - Working temperature- -10 to +45 deg.
 - Humidity – 20-90% non-condensing
 - IP 33
- Safety a. Surge – 4KV
- Others a. Dimension – 117X54X37mm (Refer dimension section for more details)

Block Diagram :



Application Information :

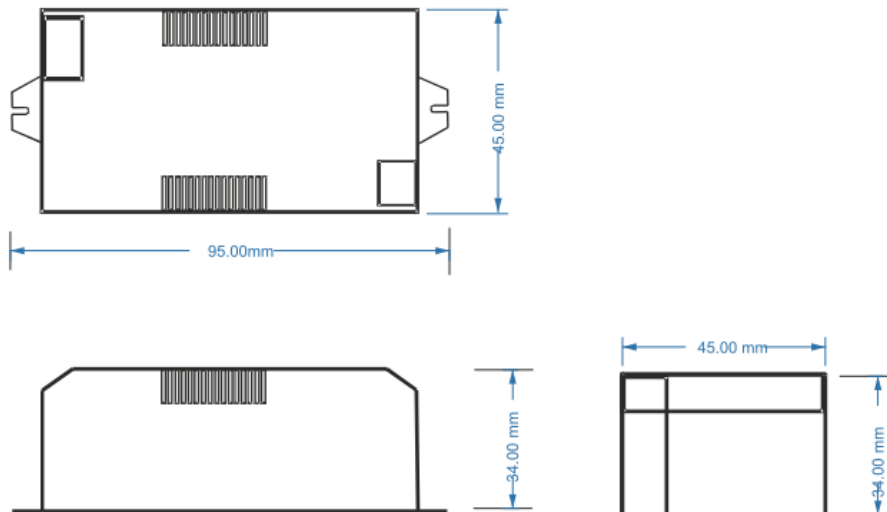
- Connection Diagram



Recommended series & Parallel Combinations:

Power	1W LED (6V, 150mA)	0.5W LED (3V, 150mA)
30W	15S2P	30S2P
24W	12S2P	24S2P
18W	9S2P	18S2P

Dimensions :



Important Note :

Due to Continuous upgrade in our products, some/Major specification may change without prior Notice, we Try to keep informed most of our regular customers however always ask for latest specification. Ask us Sunshine warranty policy Document.

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