



# COLOSSUS<sup>TM</sup>

*Excellence inside*

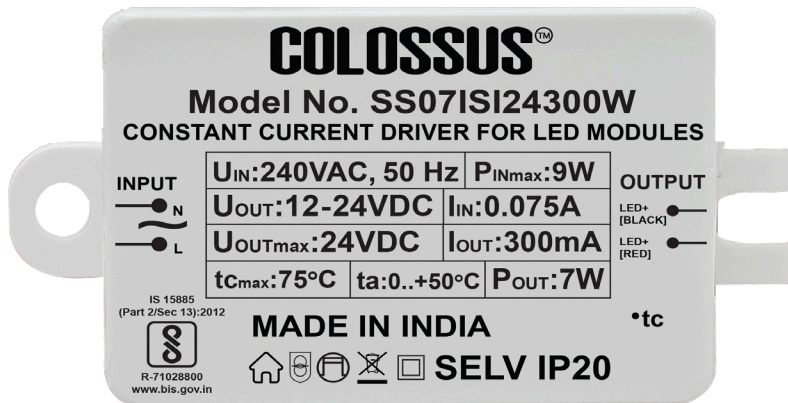
**DATASHEET**

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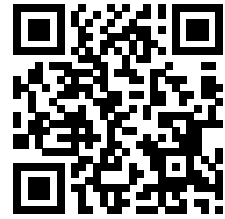
**SS07ISI24300W**



Version: 01



WEBSITE



<https://colossusworld.com/>

\*Image is for viewing purpose. Technical Data not to be drawn from above image.

### Approval Markings:



### Product Description

- Constant current driver for led modules
- Input voltage 240VAC
- High efficiency >82%(@100% Load)
- Power factor >0.5 (@100%Load)
- For use in combination with luminaries of protection class II.
- Protection against Abnormal Operating Conditions Like Short Circuit Protection, Open Voltage Protection.
- Surge protection 2.5KV
- Nominal Life Time: 20,000 hours @  $t_c \leq t_{cmax}$

### Functions

- Application oriented operation for maximum compatibility

### Applications



Office



Shops



House

### Technical Data

#### Mains Voltage Supply

Rated Voltage Range	240VAC
Rated Frequency	50/60 Hz
Max. Admissible Input Voltage Range(AC)	175-265VAC
Mains Voltage Withstanding Capacity	300VAC for 2hrs

#### Output Data

##### Constant current

Output Current Tolerance	±5%
Max Starting Time	<1s

#### Interface And Dimming Operation

Dimming Interface	None
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#### Power Factor

240V(@ Full Load)	>0.50
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#### Efficiency(typ.)

Full Load	>82%
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#### Protections

Open Circuit	<35VDC
Output Short Circuit Operation	YES
Input Over Voltage Cutoff	NA

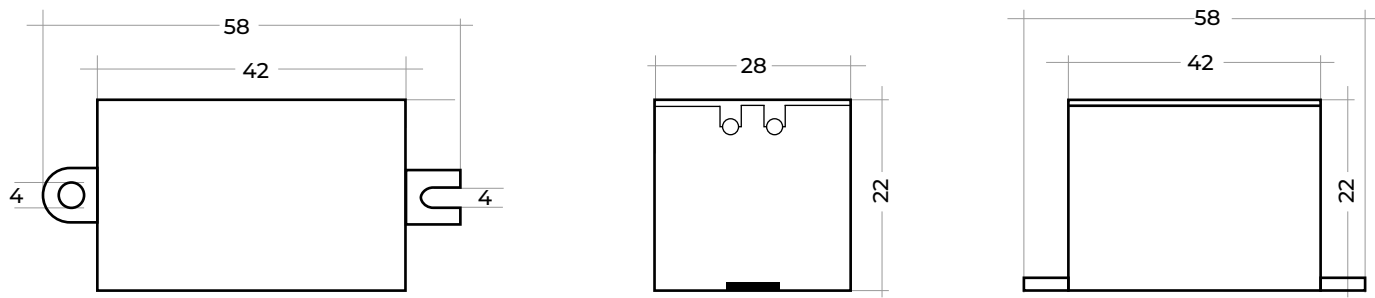
#### Connection Wires

Type	Solid or Stranded Wire
Wire Cross Section	0.5mm <sup>2</sup> - 1.5mm <sup>2</sup>
Wire Length	130mm (±10mm)

#### Wire Lengths

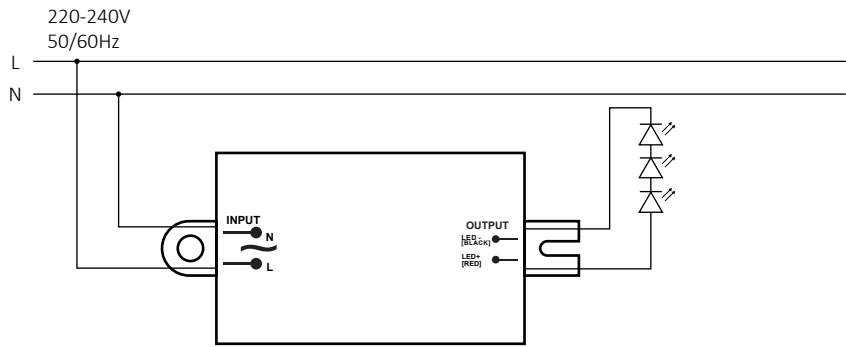
Max. Wire Length To Led Module	<1m
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Housing Dimensions



Dimensions	58x28x22mm
Tolerance	± 1mm
Weight	20 gm

Wiring Diagrams



Expected Lifetime

Lifetime	20,000 hours
Warranty	1 years

Logistics Data

Model No.	SS07ISI24300W
Weight (gm)	20 gm

### Protection

Surge	2.5kV
High Voltage	300V

### Temperatures (Operation)

Model No.	Ambient(ta)	Case (tc)
SS07ISI24300W	0°C... +50°C	Max + 75°C

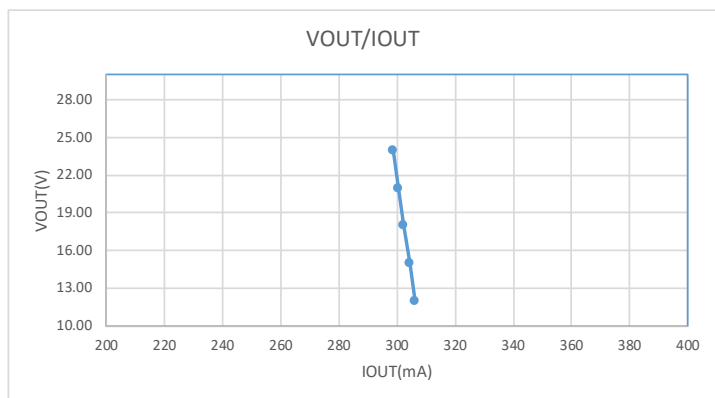
### Product Specifications

Model No.	Input Current (max)	Input Power (max)	THD	Power Factor	Efficiency	Output Current	Output Voltage	Output Power (max)
SS07ISI24300W	75mA	9W	NA	>0.50	>82%	300mA	12-24V	7W

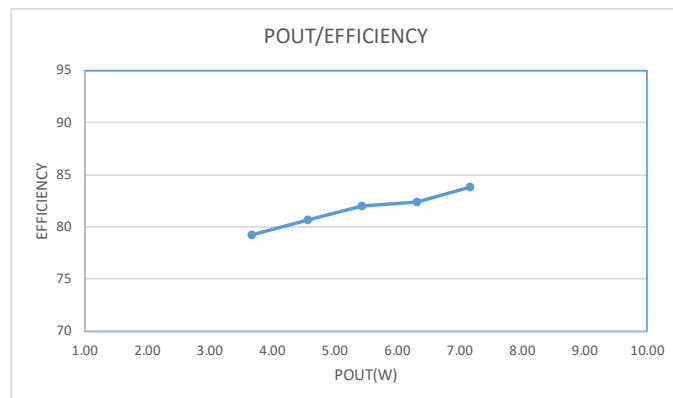
All specifications with 240 VAC are nominal operation and 100% load.

### Graphs

Operating Window



Efficiency Vs Output Power



### Housing Properties

Degree of protection	IP20
Casing	Polycarbonate, White