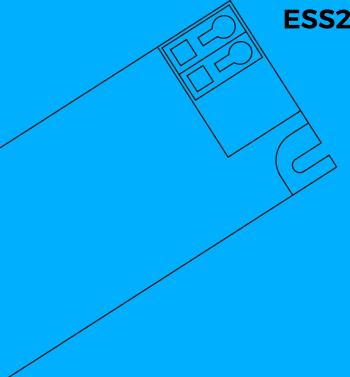


GOLOSSUS[®] Excellence inside

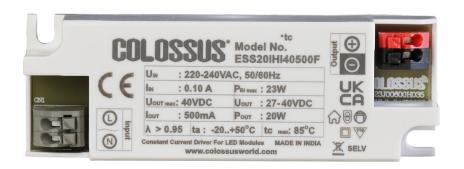
DATASHEET













*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 >85%(@100% Load)
- Power factor >0.95,THD<10%(@100%Load)
- For use in combination with luminaries of protection class II.
- · Protection against Abnormal Operating Conditions Like Input Over Voltage Protection, Under Voltage Protection, Short Circuit Protection, Open Voltage Protection, Overload Protection.
- Surge protection 4KV
- Nominal Life Time: 50,000 hours @ tc ≤ tcmax

Functions

Application oriented operation for maximum compatibility

Applications







Office

Shops

House



— Technical Data

lechnical Data			
Mains Voltage Supply			
Rated Voltage Range	240VAC		
Rated Frequency	50/60 Hz		
Max. Admissible Input Voltage Range(AC)	175-265VAC		
Total Harmonic Distortion (THD)	<10% (@Full Load)		
Mains Voltage Withstanding Capacity	380VAC for 2hrs		
Output Data			
Constant current			
Output Current Tolerance	±5%		
Max. Ripple Output Current(With Led Load)	<5%		
Max Starting Time	<1s		
Interface And Dimming Operation			
Dimming Interface	None		
Power Factor			
240V(@ Full Load)	>0.95		
Efficiency(typ.)			
Full Load	>85%		
Protections			
Open Circuit	<50VDC		
Output Short Circuit Operation	YES		
Input Over Voltage Cutoff	300VAC ±10%		
Input Under Voltage Cutoff	100VAC ±10%		
Connection Terminals	For solid Or stranded wire		
Туре	Push Terminal		
Wire Cross Section	0.5mm² - 1.5mm²		
Wire Stripping Length	8.5mm - 9.5mm		
Wire Lengths			
Max. Wire Length To Led Module	<lm< td=""></lm<>		



Protection

Surge	4kV
High Voltage	380V

Temperatures (Operation)

Model No.	Ambient(ta)	Case (tc)
ESS201H140500F	-20°C +50°C	Max + 85°C

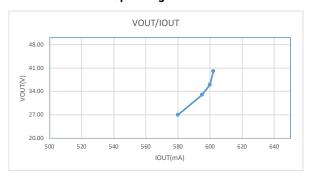
Product Specifications

M	lodel No.	Input Current (max)	Input Power (max)	THD	Power Factor	Effici- ency	Output Current	Output Voltage	Output Power (max)
E	SS201HI40500F	100mA	23W	<10%	>0.95	>85%	500mA	27-40V	20W

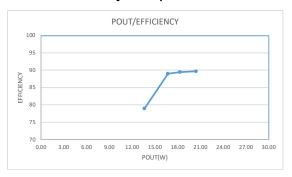
All specifications with 240VAC/50Hz are nominal operation and 100% load.

Graphs

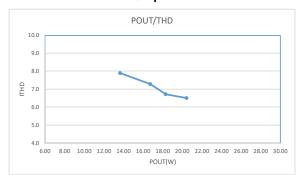
Operating Window



Efficiency Vs Output Power



THD Vs Output Power

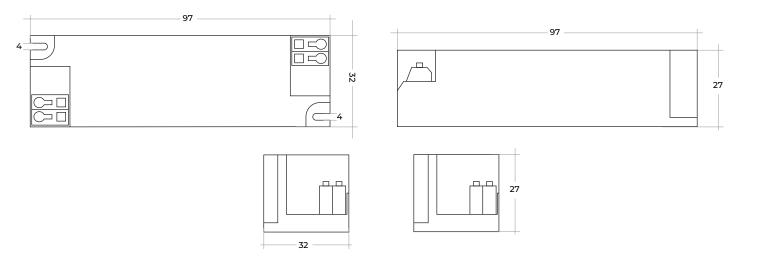


Housing Properties

Degree of protection	IP20
Casing	Polycarbonate, White

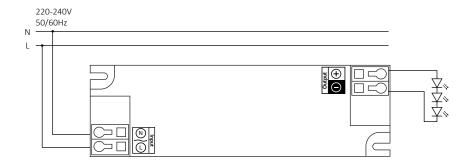


Housing Dimensions



Dimensions	97x32x27mm
Tolerance	± 1mm
Weight	60gm

Wiring Diagrams



Expected Lifetime

Lifetime	50,000 hours
Warranty	5 years

Logistics Data

Model No.	ESS201HI40500F
Weight (gm)	60gm