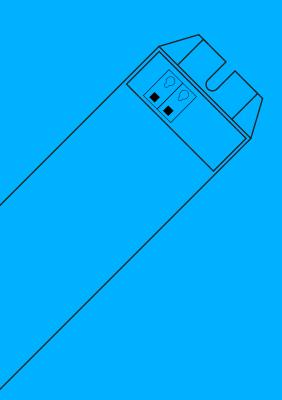


GOLOSSUS Excellence inside

DATASHEET

VS36NHIBLE80450F









*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 >90%(@100% Load)
- Power factor >0.98, THD<10%(@100%Load)
- · Protection against Abnormal Operating Conditions Like Input Over Voltage Protection, Under Voltage Protection, Open Voltage Protection, Overload Protection.
- Surge protection 4KV
- · Nominal Life Time: 30,000 hours @ tc ≤ tcmax

Functions

- · Seamless Control
- · Dimming Control
- Application oriented operation for maximum compatibility

Benefits

- · 1-100% Deep Dimming
- Low Standby Power
- · Smooth Transition over wide range of Intensity

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	350VAC for 2hrs
Output Data	
Constant current	
Output Current Tolerance	±5%
Max Starting Time	<1s
Interface And Dimming Operation	
Dimming Interface	PWM
Power Factor	
240V(@ Full Load)	>0.98
-cc' ' (,)	
Efficiency(typ.)	
Full Load	>90%
Protections	
Open Circuit	<100VDC
Output Short Circuit Operation	NO
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	0.5mm ² - 1.5mm ²
Wire Stripping Length	8.5mm - 9.5mm
Wire Lengths	
Max. Wire Length To Led Module	<1m



Protection

Surge	4kV
High Voltage	350V

Temperatures (Operation)

Model No.	Ambient(ta)	Case (tc)
VS36NHIBLE80450F	0°C +45°C	Max + 85°C

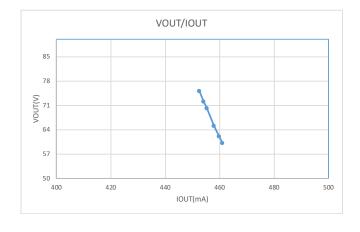
Product Specifications

Model No.	Input Current (max)	Input Power (max)	THD	Power Factor	Effici- ency	Output Current	Output Voltage	Output Power (max)
VS36NHIBLE80450F	165mA	40W	<10%	>0.98	>90%	450mA	66-80VDC	36W

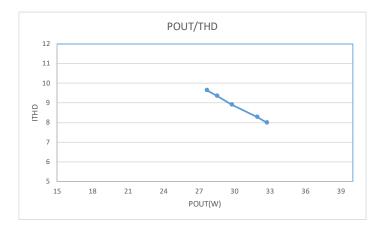
All specifications with 240 VAC are nominal operation and 100% load.

Graphs

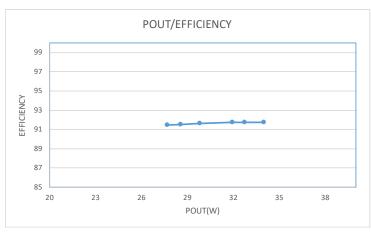
Operating Window



Efficiency Vs Output Power



THD Vs Output Power



Error expected. We reserve the right to make alternations in the interest of improving our products.

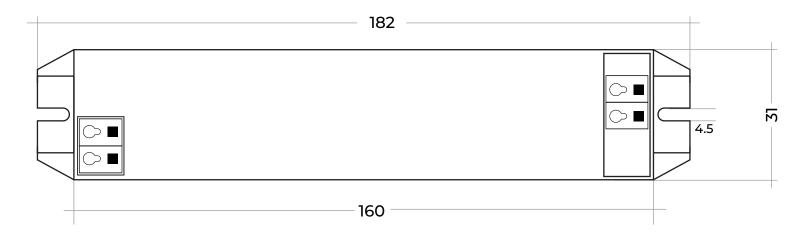
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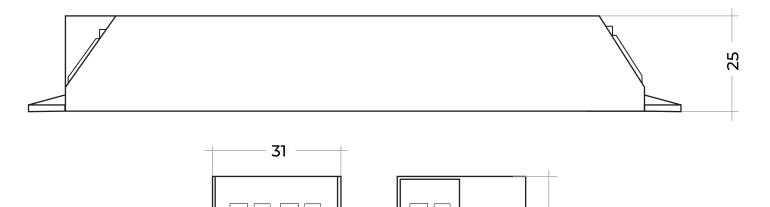


Housing Properties

Degree of protection	IP20
Casing	Polycarbonate, White

Housing Dimensions

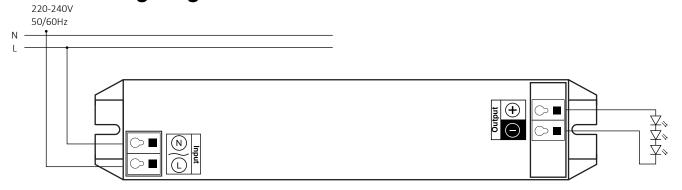




Dimensions	182x31x25mm
Tolerance	± 1mm
Weight	95 gm



Wiring Diagrams



Expected Lifetime

Lifetime	30,000 hours
Warranty	2 years

Logistics Data

Model No.	VS36NHIBLE80450F
Weight (gm)	95 gm