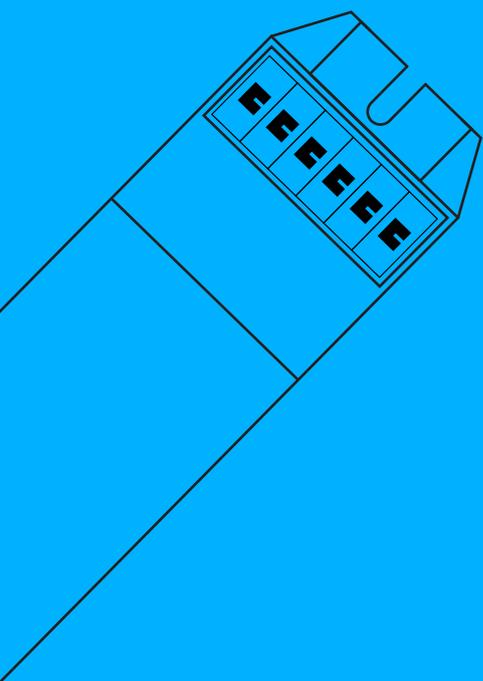


COLOSSUSTM

Excellence inside

DATASHEET

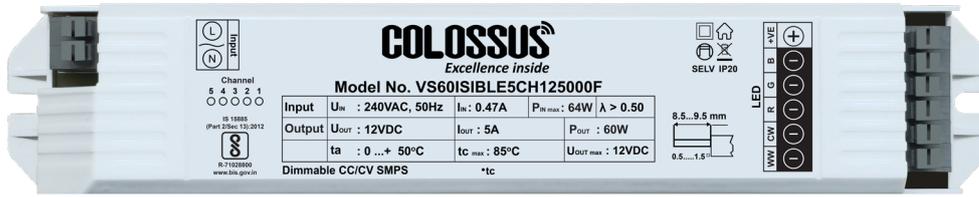
VS60ISIBLE5CH125000F



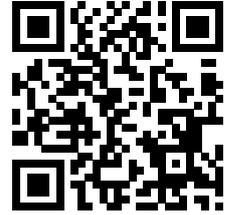
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WEBSITE



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

Approval Markings:



Product Description

- CV/CC Driver for led modules
- Input Voltage 240VAC
- High efficiency >84%(@100% Load)
- Power factor >0.50 (@100%Load)
- For use in combination with luminaries of protection class II.
- Protection against Abnormal Operating Conditions Like Open Voltage Protection, Overload Protection.
- Surge protection 4KV
- Nominal Life Time: 30,000 hours @ $t_c \leq t_{c_{max}}$

Functions

- Seamless Control
- Upto 5 Channel Control
- RGB, CCT (CW/WW) & Dimming Control
- Application oriented operation for maximum compatibility

Benefits

- 1-100% Deep Dimming
- Low Standby Power
- Smooth Transition over 16 million colors

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	320VAC for 2hrs

Output Data

Constant current

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

Interface And Dimming Operation

Dimming Interface	PWM
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Power Factor

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

Full Load	>84%
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Protections

Open Circuit	<13VDC
Output Short Circuit Operation	None
Input Over Voltage Cutoff	None
Input Under Voltage Cutoff	None

Connection Terminals

	For solid Or stranded wire
Type	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
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Protection

Surge	4kV
High Voltage	320V

Temperatures (Operation)

Model No.	Ambient(ta)	Case (tc)
VS60ISIBLE5CH125000F	0°C... +50°C	Max + 85°C

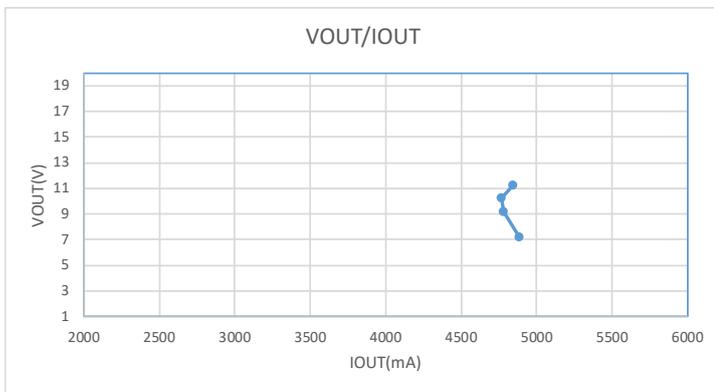
Product Specifications

Model No.	Input Current (max)	Input Power (max)	THD	Power Factor	Efficiency	Output Current	Output Voltage	Output Power (max)
VS60ISIBLE5CH125000F	470mA	64W	N.A	>0.50	>84%	5000mA	12V	60W

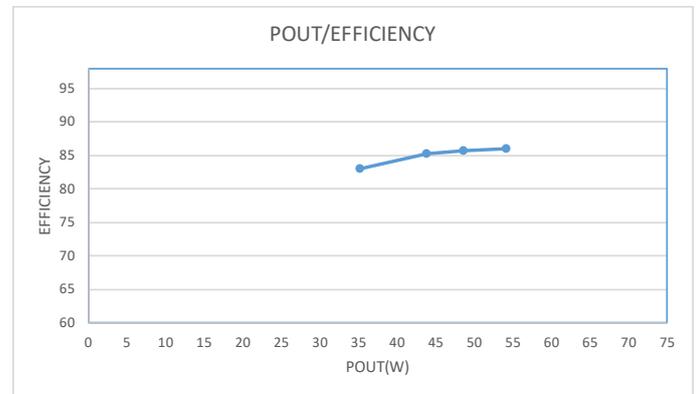
All specifications with 240 VAC are nominal operation and 100% load.

Graphs

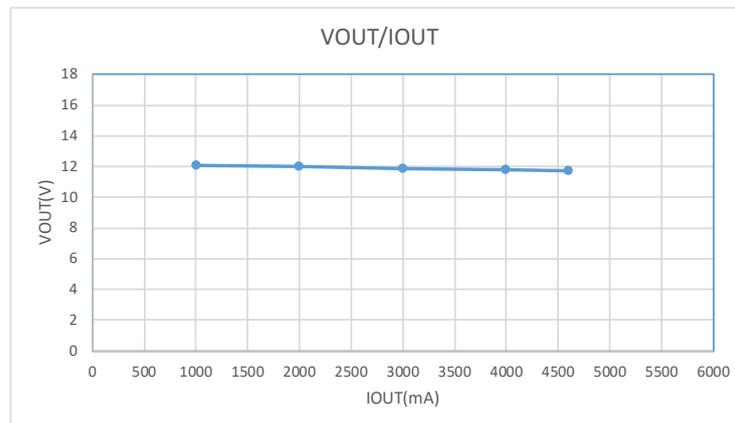
Operating Window (CV)



Efficiency Vs Output Power



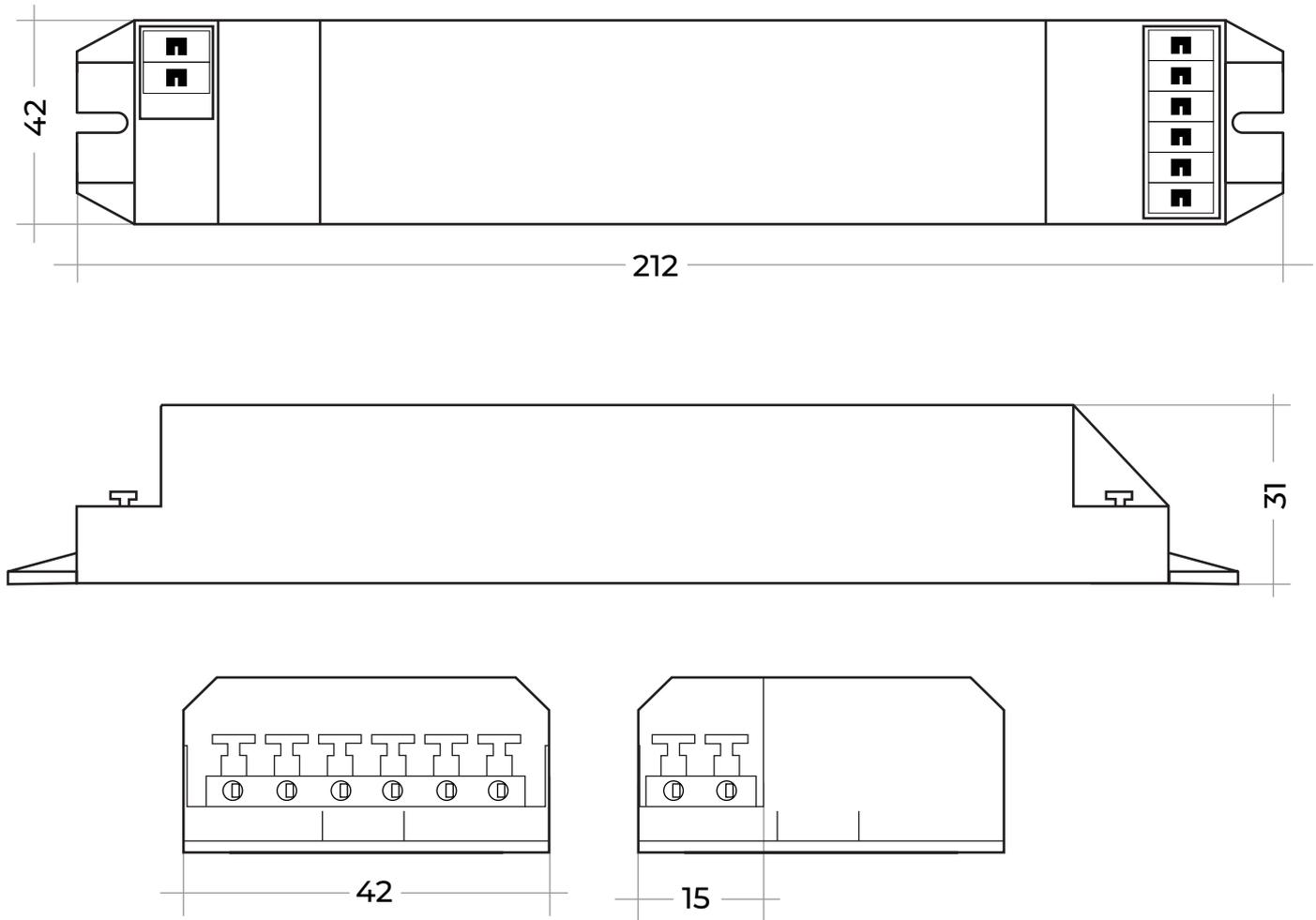
Operating Window (CC)



Housing Properties

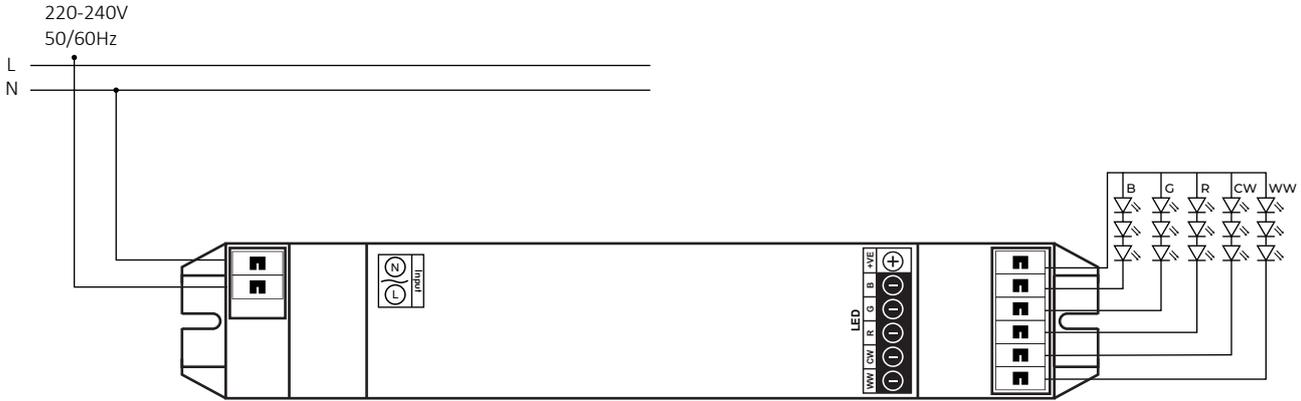
Degree of protection	IP20
Casing	Polycarbonate, White

Housing Dimensions



Dimensions	212x42x31mm
Tolerance	± 1mm
Weight	400 gm

Wiring Diagrams



Expected Lifetime

Lifetime	30,000 hours
Warranty	2 years

Logistics Data

Model No.	VS60ISIBLE5CH125000F
Weight (gm)	400 gm