

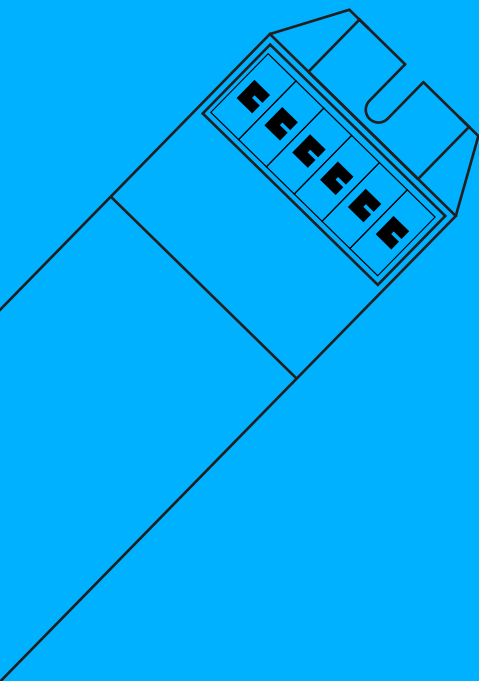
# COLOSSUS<sup>TM</sup>

*Excellence inside*

**DATASHEET**

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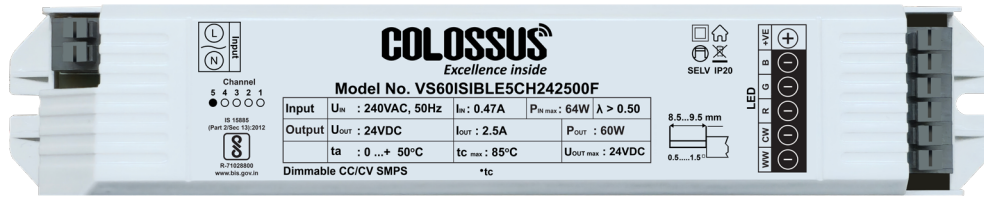
**VS60ISIBLE5CH242500F**



POWERED BY  **plexilent** | **tuyol**<sup>®</sup>  
simplifying life

Version: 01

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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 >90%(@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	>90%
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### Protections

Open Circuit	<25VDC
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 <sup>2</sup> - 1.5mm <sup>2</sup>
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)
VS60ISIBLE5CH242500F	0°C... +50°C	Max + 85°C

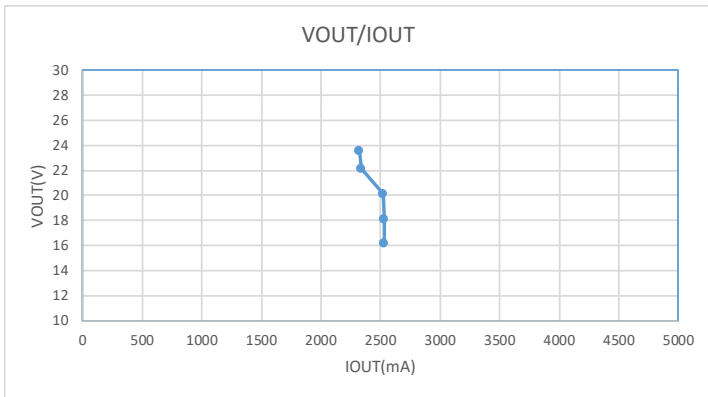
**Product Specifications**

Model No.	Input Current (max)	Input Power (max)	THD	Power Factor	Efficiency	Output Current	Output Voltage	Output Power (max)
VS60ISIBLE5CH242500F	470mA	64W	N.A	>0.50	>90%	2500mA	24V	60W

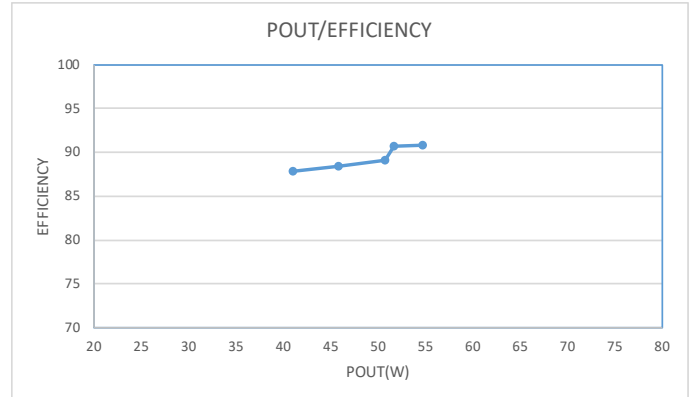
All specifications with 240 VAC are nominal operation and 100% load.

**Graphs**

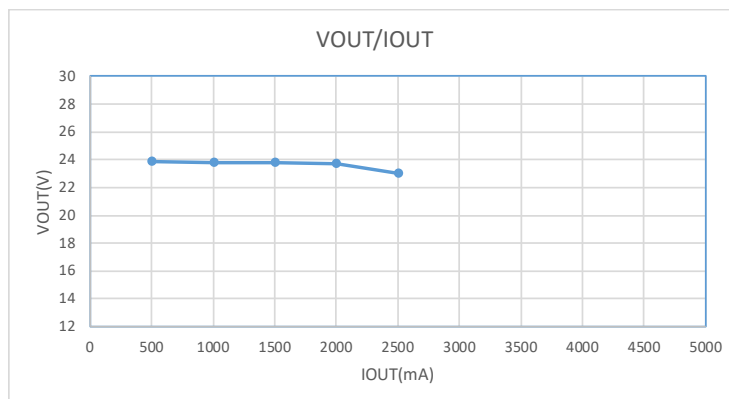
**Operating Window (CV)**



**Efficiency Vs Output Power**



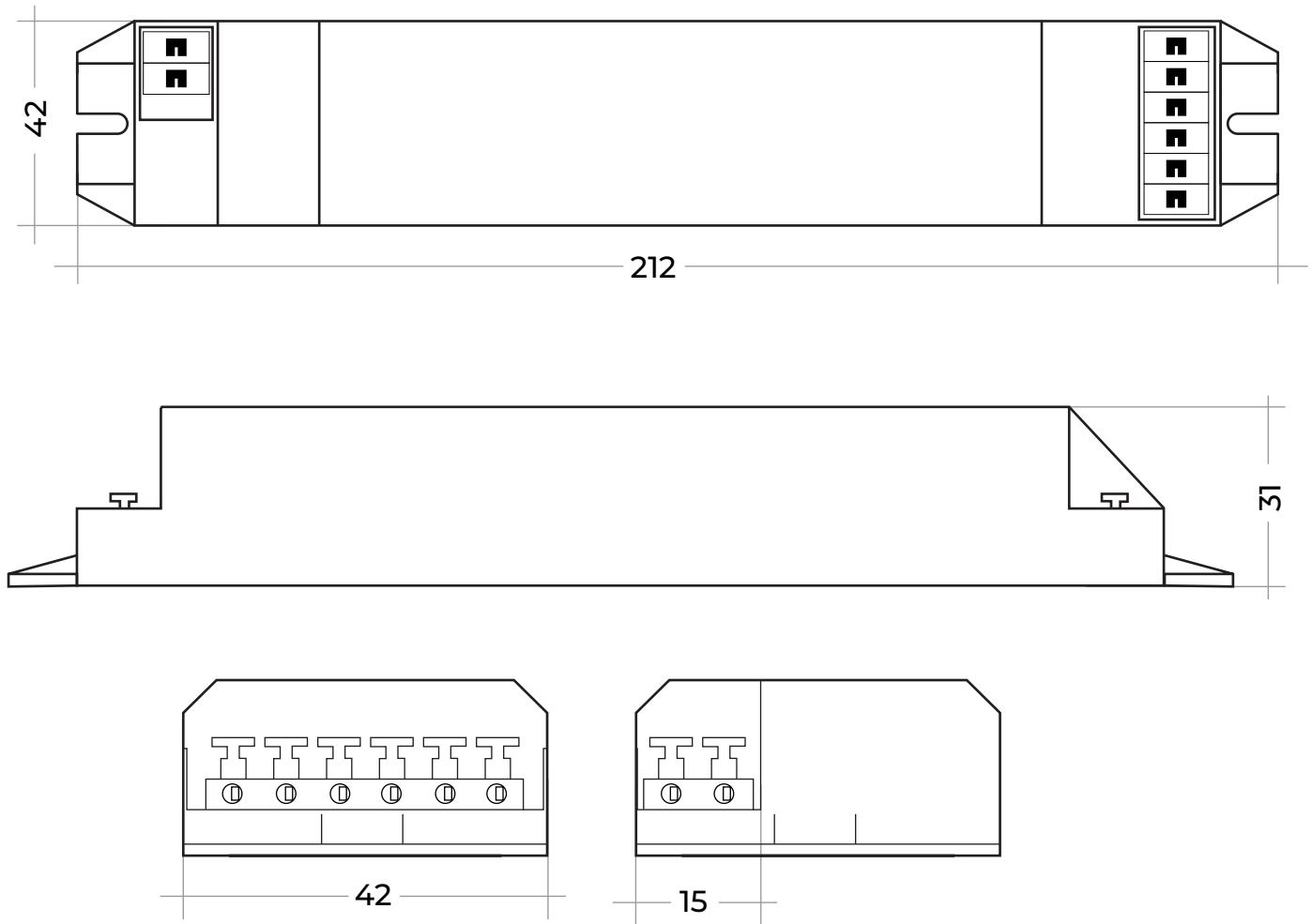
**Operating Window (CC)**



## Housing Properties

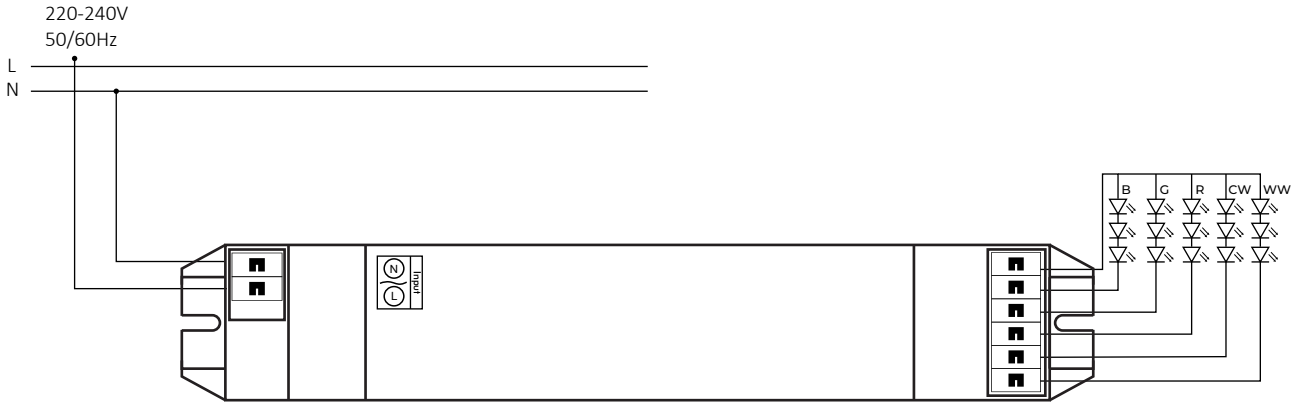
Degree of protection	IP20
Casing	Polycarbonate, White

## Housing Dimensions



<b>Dimensions</b>	212x42x31mm
<b>Tolerance</b>	± 1mm
<b>Weight</b>	400 gm

**Wiring Diagrams**



**Expected Lifetime**

Lifetime	30,000 hours
Warranty	2 years

**Logistics Data**

Model No.	VS60ISIBLE5CH242500F
Weight (gm)	400 gm