

## Product description

- DC to DC Constant voltage controller

## Advantage

- Stylish design
- Nominal Life-time up to 50,000 hours @35°C Ta
- 5-years guarantee

## Detailed parameters

- Input voltage: 24VDC
- Output Voltage: 24VDC
- Output Current:  $\leq 6.25A$
- Dimming range: 1-100%
- Attended mode: Bluetooth
- Effective communication distance in open place: 50m.

## Features

- Casing: polycarbonat, white
- Type of protection: IP20

## Functions

- Short-circuit protection

## Typical applications

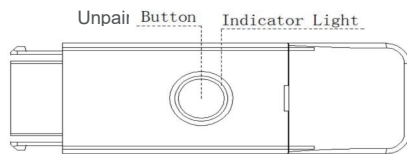
- apply to linear luminaire for livingroom and bedroom lighting, or upgrade common lighting to intelligent lighting.



## Specific Technical Data

| Type               | Output Mode | Output Channel | Input Voltage | Output Power | Output Voltage | Output Current | Module  | Dimension  |
|--------------------|-------------|----------------|---------------|--------------|----------------|----------------|---------|------------|
| VBD-150W-CV-IDP-G2 | 5 in 1      | 1              | 24Vdc         | Max.150W     | 24Vdc          | Max.6.25A      | Casambi | 81*30*18mm |

## Appearance



## Ordering data

| Article Number | Description        | specification                  | Dimension of product | Net Wt/pc | Package/ctn | Dimension of carton | Wiring    |
|----------------|--------------------|--------------------------------|----------------------|-----------|-------------|---------------------|-----------|
| 1060800421     | VBD-150W-CV-IDP-G2 | 24V/6.25A/5 in 1/CASAMBI/WHITE | 81*30*18mm           | 25g       | 50pcs       | 315x105x115mm       | Figure1-5 |

Figure 1  
DIM

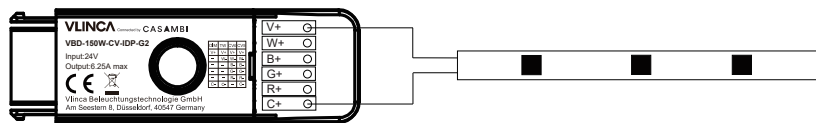


Figure 2  
TW

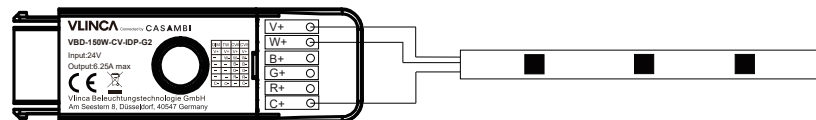


Figure 3  
RGBW

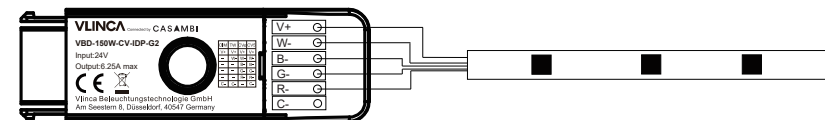


Figure 4  
RGB/TW

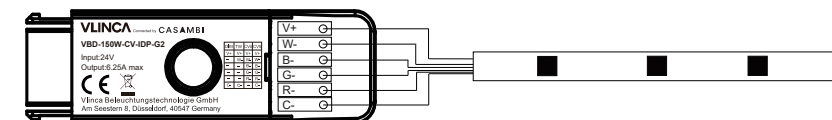
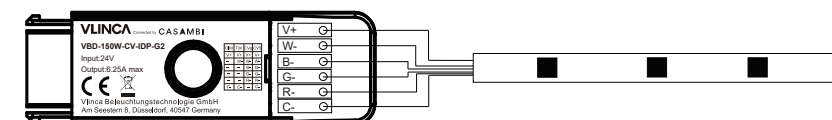


Figure 5  
RGBCW

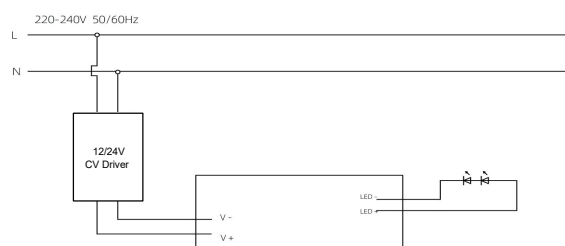


## 1. Standards

EN 62384  
EN 61643-11

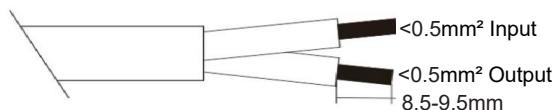
## 2. Installation and wiring

### 2.1 Circuit diagram



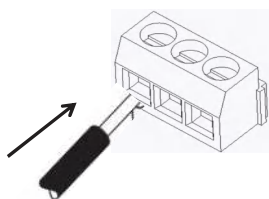
### 2.2 Wiring type and cross section

The wiring can be in stranded wires with ferrules or solid with a cross section of  $<0.5\text{mm}^2$  (mains wires) and  $<0.5\text{mm}^2$  (secondary wires, LED module). Strip 8.5–9.5 mm of insulation from the cables to ensure perfect operation of the push-wire terminals.



### 2.3 Release of the wiring

Loose the screw in terminal and remove the cable from front.



### 2.4 Wiring guidelines

- Maximum length of output wires is 80cm.
- Incorrect wiring can damage LED modules.

### 2.5 Unpair

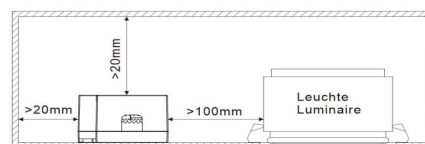
1. Press "unpair" and "start" on Casambi App
2. Press button on the controller
3. Unpair successfully

### 2.6 Installation instructions

Air and creepage distance must be maintained.

### 2.7 Fixing conditions when using as independent Driver with Clip-On

Dry, acidfree, oilfree, fatfree. It is not allowed to exceed the maximum ambient temperature ( $t_a$ ) stated on the device. Minimum distances stated below are recommendations and depend on the actual luminaire. Is not suitable for fixing in corner.



## 3. Thermal details and life-time

| Typ                | $t_a$ | Life-time |
|--------------------|-------|-----------|
| VBD-150W-CV-IDP-G2 | 35°C  | 50000h    |

The LED Drivers are designed for a life-time stated above under reference conditions and with a failure probability of less than 10%.

Life-time declarations are informative and represent no warranty claim.

[illegible]