

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
- Operating frequencies, fOP, 1 MHz chann. spacing: 2402...2480 MHz
- Maximum output power, PRF: +7 dBm
- Effective communication distance in open place: 50m.

Features

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

Functions

- Short-circuit protection

Typical applications

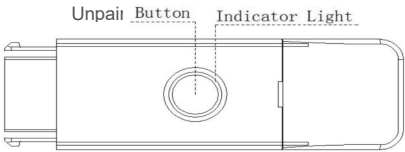
- apply to linear luminaire for livingroom and bedroom lighting, or upgrade common lighting to intelligent lighting.



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

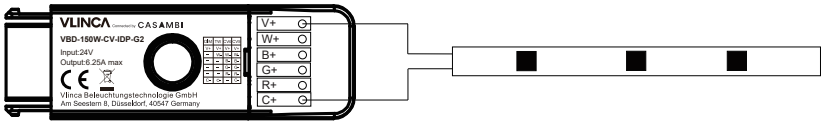


Figure 2
TW

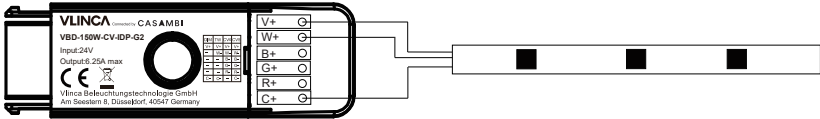


Figure 3
RGBW

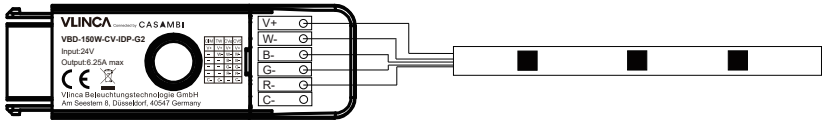


Figure 4
RGB/TW

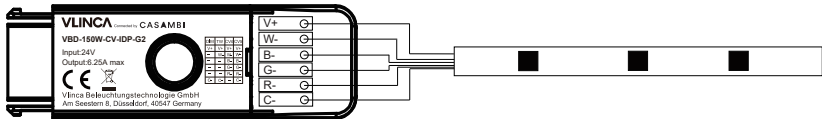
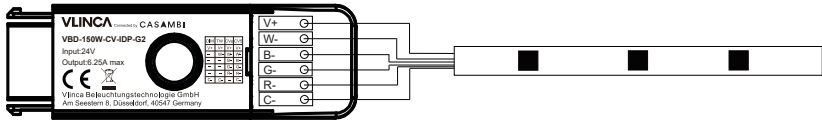


Figure 5
RGBCW

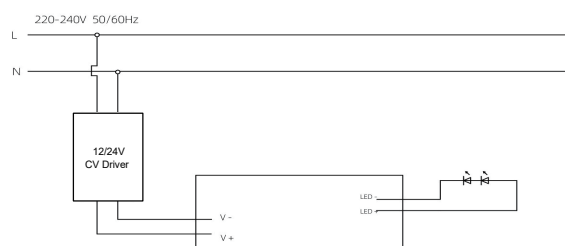


1. Standards

EN 62384
EN 61643-11

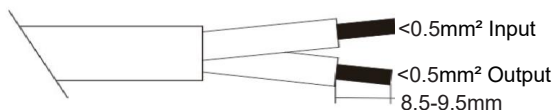
2. Installation and wiring

2.1 Circuit diagram



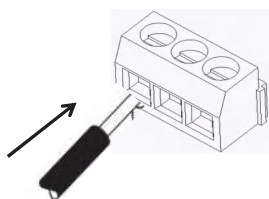
2.2 Wiring type and cross section

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

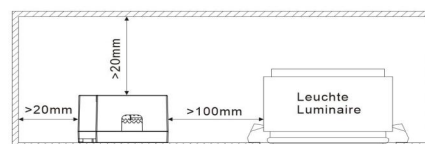
1. Press "unpair" and "start" on Casambi App
2. Press button on the controller
3. Unpair successfully

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.

Version	Remark	Issued Date
V1.0	Initial issued	May 8th,2025
V1.1	Add "Radio Characteristics" in Detailed parameters.	Aug 1st,2025