



VBD-150W-CV-IDP-G2

Version V1.1

Product description

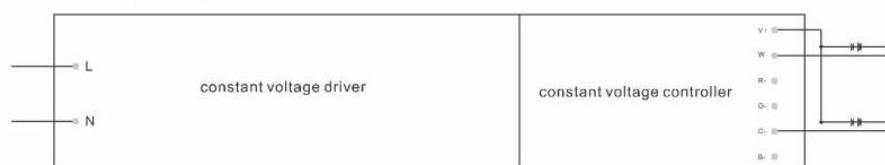
VBD-150W-CV-IDP-G2 is composed of a constant voltage driver and a bluetooth controllable, casambi enabled, five-channel constant voltage controller for constant voltage LED loads, such as LED strips and constant voltage LED modules. It can be configured with 4 different fixture profiles for 1,2,4,5-channel applications (dimming, tunable white, RGBW, RGBCW).

Wiring

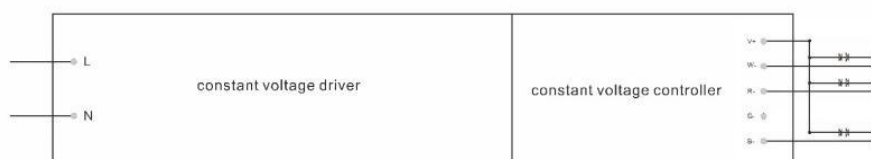
1.



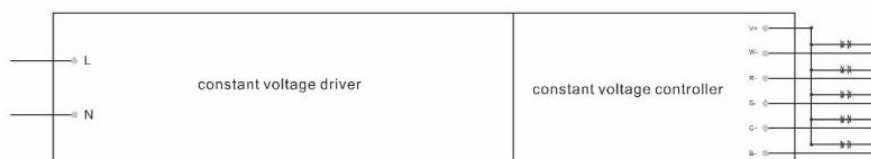
2.



3.



4.



Driver specification parameters

Input voltage(AC)	• 220-240V
Input current	• $\leq 0.9A$
Output voltage(DC)	• 24V
Output current	• $\leq 6.25A$
Ambient temperature t_a	• $-20^{\circ}C \dots +45^{\circ}C$
Max. casing temperature t_c	• $90^{\circ}C$
Life time	• up to 50,000 h
Dimensions (L* W*H)	• 319mm * 30mm * 18mm
Degree of protection	• IP20

Controller specification parameters

Input voltage (DC)	• 24V
Output voltage (DC)	• 24V
Output power	• $\leq 150W$
Max (free allocation to channels) output current	• $\leq 6.25A$
Life time	• up to 50,000 h
Dimensions (L* W*H)	• 93mm * 30mm * 18mm
Wire range, solid	• 0,5–1 mm ²
Wire strip length	• 4-5 mm
Dimming range	• 1-100%
Effective communication distance in open air	• 50m
Protection	• Short-circuit protection

Fixture profiles

Profile #	Profile name	Description	App display	Wiring
39425	VBD-150W-CV1-IDP-G2(DIM)	For dimming application		1
39424	VBD-150W-CV2-IDP-G2(TW)	For tunable white application		2
41030	VBD-150W-CV4-IDP-G2(RGBW)	For RGBW application		3
37751	VBD-150W-CV5-IDP-G2(RGBCW)	For RGBCW application		4
42698	VBD-150W-CV5-IDP-G2(RGB/TW)	For RGB/TW application		4
45232	VBD-150W-CV5CH-IDP-G2(RGBCW)	Sperate control for 5 channels		4

Change fixture profile

- _ The default fixture profile in device is “VBD-150W-CV5-IDP-G2(RGBCW)”.
- _ If need to change the fixture profile of the device, make sure it is in unpaired status.
- _ Follow steps in Figure 1, change the fixture profile to another.
- _ When the update process is in verifying, tap the reset button(as in figure 3), then update success.

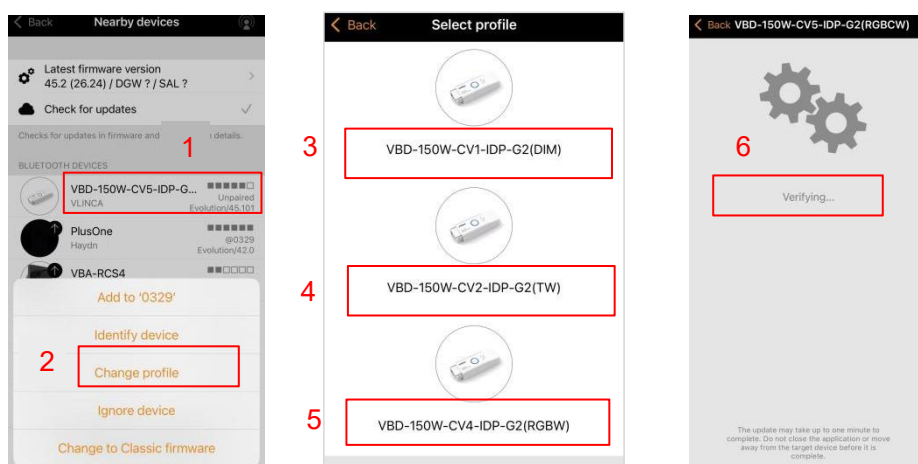


Figure 1

LED indications

On reset button: when the device is unpaired, blue stays on. If paired, blue flashes.

Reset Button

To unpair the device from other network, follow the steps in Figure 2. Then, press the reset button (as in Figure 3), and it will implement “Switch OFF and back ON again”.

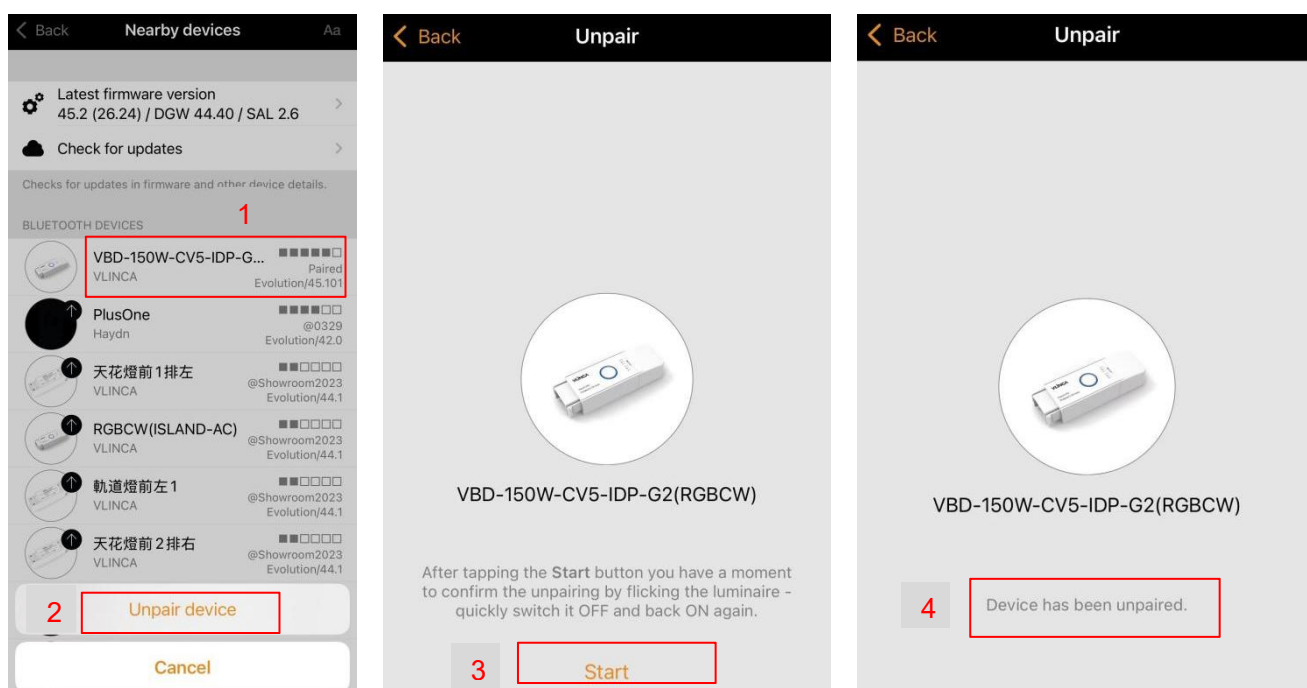


Figure 2



Figure 3

DISPOSAL INSTRUCTIONS In line with EU

Directive 2012/19/EU for waste electrical and electronic equipment (WEEE), this electrical product must not be disposed of as unsorted municipal waste. Please dispose of this product by returning it to the point of sale or to your local municipal collection point for recycling.

COMPLIANCE STATEMENT

VLINCA declares that the VBD-150W-CV-IDP-G2 fully complies with Directive 2014/53/EU.

Revision record

Version	Remark	Revision date
V1.0	Newly formulate	Mar 12, 2025
V1.1	Add profile 41030,42698 and 45232	Sept 19, 2025