

Vesta-W4 LED Driver

20W 250-500mA DIP 40V WiZ RGBTW 120-277V CC

4-Channels RGBW LED Bridgelux

Vesta-W4 LED Driver connected by WiZ PRO can work with Bridgelux RGBW LED to enable colors and tunable white control features. It enables simple, cost effective wireless lighting system for energy saving and comfort. Advanced design of the smart LED driver helps to build a reliable and standardized connected lighting system with different functionalities from simple wireless dimming to cloud based operations

Features

- Easy wireless dimming and scheduling for energy saving and convenience
- No gateway needed
- Energy metering feature with 10% accuracy
- Wi-Fi dual protocol module which enable local messages for installation and connectivity to WiZ cloud over Wi-Fi network
- Future-proof flexibility, support OTA (Over-The-Air) firmware update
- · Protective features (short-circuit, open-circuit, over-load, no-load)
- Reliable, flicker-free
- 5 years warranty.





Electrical Data

Item	Vesta-W4 LED Driver
Model No.	BXDR-PS-20BS-U405W-01-A
Rated Power	20W
Output Channels	4CH (RGBW)
Output Current (4CH)	500/400/300/250mA
Output Voltage (4CH)	1840Vdc
Nominal Input Voltage	120277VAC
Nominal Input Current	0.09-0.20A
Max Input Current	0.25A
Nominal Input Frequency	5060Hz
Power Factor	0.9 @ rated output power
Eff (typ)	84%@rated output power
Total Harmonic Distortion	≤15% @ rated output power
Output Current Tolerance	±5%
Output Current Ripple LF	5%
Mains Surge Capability	L-N 1kV;
Ambient Temperature	-20+50°C
Tcase Maximum	80°C
Humidity	10~90%
Lifetime	50,000 hrs
Control Mode	Wireless protocol = Wi-Fi
Standby Power	≦0.5W
Dimming range	10100% Dimming Via WiZ App
Isolation controls input to output	SELV (acc. IEC61347-1)
Open load protection	YES
Short circuit protection	YES
Over power protection	YES
Hot wiring	YES
Certificate	CE-RED ENEC UKCA UL FCC

RF Data

Werk made	
WOR MODE	Wi-Fi: 802.11b/g
Work frequency	
	Wi-Fi: 2.42.4835 GHz
Modulation mode	
	Wi-Fi: CCK/DSSS/OFDM
RF output power	
	Wi-Fi: 20 dBm
Rx sensitivity	
	Wi-Fi: -98
	Wi-Fi: -74

Wiring and Connections

Input wire cross-section	0.751.5 mm2 / AWG 1816
Input wire strip length	8.59.5 mm
Output wire cross-section	0.51.5 mm2 / AWG 2016
Output wire strip length	8.59.5 mm
Maximum cable length	0.3 m



Dip-switch Operation Instructions

		OUTPUT				
	Pout	lout	1	2		
	20W	500mA	-	-		
→ NC	16W	400mA	ON	-		
2	12W	300mA	-	ON		
1	10W	250mA	ON	ON		

Dimensions (mm)





FCC statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1) This device may not cause interference.

2) This device must accept any interference, including interference that may cause undesired operation of the device.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

--Reorient or relocate the receiving antenna.

--Increase the separation between the equipment and receiver.

--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

--Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device must operate with a minimum distance of 20 cm between the radiator and user body.