36w Max | 1000mA Bluetooth Mesh Constant Current LED Driver

Model: D-C1K-30-42-17-DL00

Specifications

- Input Voltage - 110-277VAC | 50/60Hz
- Output Current - 100mA-1000mA
- DC Output Voltage - 30-42VDC
- Operating Temperature - 14° to 104°F (-10° to 40°C)
- Dimensions - 3.54” x 1.7” x 1.36” (90 x 43.2 x 34.5 mm)
- Housing Dimensions - 6” x 1.38” x 1.89” (152.4 x 35 x 48.01 mm)

Description

The **D-C1K-30-42-17-DL00** drivers are the ideal solution for standalone projects as well as the backbone of complex Mesh Networks. The driver is programmable from 100mA up to 1000mA.

Operation

The **D-C1K-30-42-17-DL00** operates on 110-277V. Once powered up, the device broadcasts its identification code waiting to be commissioned through the Bubblynet App.

Installation

Devices with external antenna should have the antenna outside any metal box and away from metal surfaces as metal reduces connectivity.

The installation of the D-C1K-30-42-17-DL00 is very simple. The two wires for universal AC input are connected to the driver. As soon as the driver is powered on it will start broadcasting the non-provisioned advertising messages that will tell the provisioning app that a new device is ready to join. The provisioning app will connect to the new driver, configure security keys, addresses and other data so the new driver can join the Mesh Network. After the new driver joins the Mesh Network it is ready to be configured (publishing / subscribing data.)

Features

- Simple to Install
- Programmable Dimming Curves. Soft ON/OFF
- Wireless 2.4 GHz Constant Current LED Driver
- Use for 9W, 13W, 18W, 26W or 36W fixtures
- Also available with metal housing box

Certifications

Applications

The constant current Single Channel Driver is a wireless module that controls via Bluetooth any LED fixture and transforms it into a smart wireless device and does not require the use of a gateway.

Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:	
Outdoor (line of sight):	200ft
Indoor (through building material):	
Glass:	100ft
Drywall:	70ft
Cinderblock:	60ft
Brick:	50ft
Concrete + rebar	0ft

For design purposes a 60ft. maximum distance is appropriate for most installations.

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Driver in metal housing