

# Cbox BT O3 100W

BL Power

Fully Assembled Control+Power Box  
Single Circuit, 100W, 24VDC, CV, Bluetooth Enabled



The Cbox are completely integrated, highly-customizable, fully cULus Listed Class 2 power and control boxes rated for Dry and Wet Locations. All Cbox enclosures arrive to site assembled and ready for quick wiring and install. All required components included. The BT O3 are configurable Bluetooth enabled power boxes. Integrate up to 200W through multiple Class 2 circuits. A complementary mobile app presents an intuitive and interactive user experience, allowing for full network control when within range of any one node!

Quick Ship

Wet Location

Intelligent Mesh Bluetooth Network

Smart Device App

CLIENT	
PROJECT NAME	
LOCATION	
DATE	

## Product Detail



### Electrical

Input Voltage	120-277VAC
Input Frequency	50-60 Hz
Max Input Current	0.93A
Output Voltage	24VDC, Constant Voltage
Power	100W
Min. Power Draw	10W
Control	Bluetooth (Phone/Tablet App)
Max. Output Current	4A
Dimming method	Pulse Width Modulation (PWM)
Operating frequencies	2.4-2.483 Ghz
Max. signal output power	3 dBm
Connection Type	Screw Terminals (14 - 22AWG Wire Range)
Max. Signal Range	25m (82ft) - Outdoors 15m (49ft) - Indoors
Start-up Time	<1000ms
Protection	Cat. C3 Surge Location (10kA/10kV)
Surge Current Rating	20,000A, 8/20 µSec Wave
Rating (2mS)	540 Joules
Max. Clamping Voltage	925V
Ambient Temperature	-4°F to 122°F (-20°C to 50°C)
Circuit	Class 2
Average Life	50,000 hours
Housing Construction	PVC (enclosure)
Weight	11.5lbs (5.21kg)
Environmental	IP66

### Mechanical

## Features

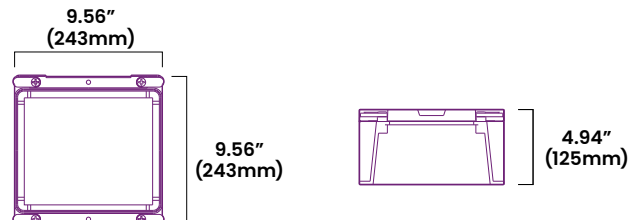
- Up to 250 units form an intelligent mesh network
- Nodes communicate wirelessly, and over long distances
- Multiple networks can be set up on a site
- iOS or Android control with smart device app (Casambi App)

- HSV dimming ensures excellent color consistency
- Control system based on intelligent mesh network technology
- Bluetooth 4.0+ wireless control
- Customizable user interface

## Ordering

Product Code	Series	Power	Output	Input Voltage	IP Rating
CBBT03	P	100W	24	UNI	IP66

## Dimensions



**BL LIGHTING**  
ILLUMINATE EVERYTHING

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Solid State Lighting is sensitive to power fluctuations. Surge protection is highly recommended for all LED lighting products and should be on a dedicated circuit to protect against premature failure. Lack of surge protection may void your warranty.

Designed & Assembled in North America.

Specifications subject to change without notice. Please refer to our website at bllighting.com for current technical data.

For more information, please download the BL LIGHTING catalog

bllighting.com

