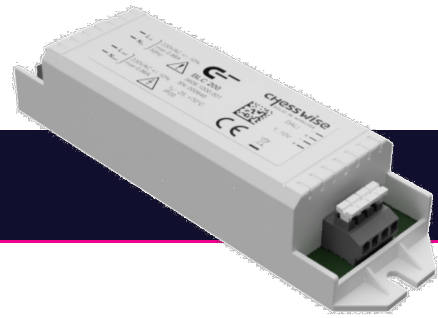


## BLC200



### Master your environment

#### Wirelessly control any make or type of luminaire

The BLC 200 is equipped with lighting controllers for LEDs and lightbulbs enabling wireless control and management of light fixtures. The BLC 200 includes controllers for DALI drivers, 1-10v and a relays interface capable of controlling a wide range of light fixtures. BLC modules automatically form a wireless sensor-and-control network that is self-organizing and self-synchronizing, resulting in a robust and scalable smart lighting system that inherently is the foundation for a smart building network.

#### Easy installation

The BLC 200 is easy to install due to the two mounting slots placed on either side of the product. The dimensions of the BLC allow for easy installation within the light fixture or placement above the ceiling.

#### Technical summary

A Mymesh BLC 200 operates on the 2.4GHz ISM band. The Mymesh network protocol ensures a resilient and reliable connection. The BLC 200 is fitted with an internal antenna providing enough reach for most indoor office and industrial applications. Every BLC device acts like a repeater for the next device, expanding the range and reliability of the wireless network

#### Network features

- Wireless, stand-alone network that is self-organizing and self-healing
- 2.4GHz communication for reliable data transfer
- Secure by design
- Ultra-scalable to > 10.000 fixtures in one network
- Low operational cost

#### Special features

- Dimming and switching of a wide range of lamps and LEDs
- Low energy consumption by using latest RF technology
- 30% (minimum) to 90% energy savings with light control

#### Optional

- On-the-fly (re) commissioning with a Mymesh BLE Gateway and Mymesh commissioning app for iPad
- Connect to third party backoffice / Light Management system (LMS) via a Mymesh Gateways (2G/3G or Ethernet)

## Device information

Connections	
<b>Power Supply</b>	single fase 230VAC (+/-10% 50Hz)
<b>Dali</b>	master output (maximum of 1 slave) 1-10V
<b>Switched 230VAC outlet:</b>	maximum 200W
<b>Max switching current:</b>	3A
<b>Max switching voltage:</b>	277VAC
<b>Max switching capacity:</b>	720VA
<b>Wiring:</b>	1.5 mm <sup>2</sup>

Protection Degree	
<b>MultiSensor</b>	IP20

Typical energy consumption	
<b>Without relay</b>	0.5 Watt
<b>With relay</b>	1 Watt

Safety	
Overvoltage category II	
(add additional external protection if necessary)	
Surge protection (1KV L/N)	
Basic isolation	
External fuse needed	

Environment	
<b>Operating Temp.</b>	-20 °C to + 45 °C
<b>Relative Humidity</b>	10% to 90%
<b>Installation Height</b>	Maximum 2000m above sea level

Certification	
ETSI EN 300 440	
ETSI EN 301 489-01/03	
IEC EN 60950-1:2006+A1:2010+A11:2009+A12:201+AC:201+A2:2013	
CE Marking	

Housing	
<b>LxWxH</b>	150.2mm x 40.2mm x 28.2mm
<b>Weight</b>	110 gram
<b>Material</b>	ABS PA-765
<b>Colour</b>	RAL 9003White

Radio	
<b>Band</b>	2.4GHz ISM band (2.400 – 2.4835 GHz)

Order information	
<b>BLC200</b>	BLC.1000.001