Building Light Control
BLC200

Product sheet

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.

Order information

BLC.1000.001
BLC 200

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)

Smart lighting in 3 steps

1. Connect Mymesh to your lights

2. Add sensors and switches

3. Configure the network via the App.

Technical specifications

Connections

Power supply: single fase 230VAC (+/-10% 50Hz)
DALI: master output (maximum of 1 slave)
1-10V

Switched 230VAC outlet:	maximum 200W
Maximum switching currect:	3A
Maximum switching voltage:	277VAC
Maximum switching capacity:	720VA
Wiring:	1.5 mm2

Typical Energy consumption

Without Relay:	0.5 Watt
With Relay:	1 Watt

Safety

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

Environment

Operating temperature -25˚C to +70˚C
Relative humidity 10% to 90%
Installation height maximum 2000m above sea level

Protection degree

IP20

Certification

ETSI EN 300 440
ETSI EN 301 489-01/03
IEC EN 60950-1:2006 + A1:2010 + A11:2009 +
A12:2011 + AC:2011 + A2:2013
CE marking

Radio

2.4GHz ISM band (2.400 – 2.4835 GHz)

Housing

LxWxH:	150.2 x 40.2 x 28.2 mm
Material:	ABS PA-765
Weight:	110 gram
Color:	RAL 9003 (white)