Product sheet

BLC200

Making buildings smart

Wirelessly control any make or type 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.

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.

Special features

- Dimming and switching of a wide range of lamps and LEDs
- 50% to 60% additional energy savings with automatic light control using motion detection and daylight harvesting
- Data logging of DALI dimmable and emergency lighting drivers

Easy Installation & commissioning

The BLC 200 is easy to install due to the two mounting slots placed on either side of the product.

The dimensions of the BLC200 allow for easy installation within the light fixture or placement above the ceiling.

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 devices in one network
- Low energy consumption by using the latest RF technology
- Updates and new functionality can be installed with Over-The-Air updates.
- Cloud interface (API) available to connect with Building Automation Systems, dashboards, user apps and more.

Optional

- Connect to the Mymesh Management System for remote control, monitoring and management applications
- Connect to the Building Automation System for seamless integration with the buildings technical installations
- Connect to third party dashboards and apps

This product sheet is subject to change without notice.

Device Information

Connections	
Power Supply	Single phase 230VAC (+/- 10% 50Hz)
DALI, 1-10V	Master output (maximum of 1 slave), 1-10V
Wiring	1.5 mm²
Switched 230VAC outlet	Maximum 200W
Max switching current	3A
Max switching voltage	277 VAC
Max switching capacity	720 VA

Protection Degree	
BLC200	IP20

Safety
Class II, Double insulation
Overvoltage category II
Surge protection (1KV L/N)
Basic isolation
External Fuse needed

Typical Energy Consumption	
Without relay	0.5 Watt
With Relay	1 Watt

Order Information	
BLC 200	BLC.1000.001

Environment	
Operating Temp.	-20˚ to + 45˚C
Relative Humidity	10% to 90%
Installation Height	Max. 2000m above sea level

Certification
ETSI EN 300 440
ETSI EN 301 389-01/03
IEC EN 60950-1:2006+A1:2010+A11:2009+A12:201+AC:201+A2:2013
RED / CE / UKCA

Housing	
LxWxH	150.2mm x 40.2mm x 28.2mm
Weight	Approx. 110 grams
Material	ABS PA-765
Colour	RAL 9003 White

Radio	
Band	2.4GHz ISM band