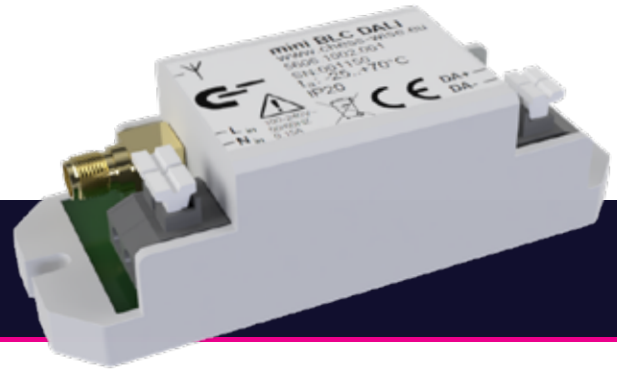# mymesh
by Chess

Mymesh Building Light Control
Mini BLC-DALI

Product sheet

Wirelessly control any make or type of luminaire

The Mini BLC-DALI is a small smart lighting module with a single controller for DALI drivers. With a Mini BLC-DALI you can easily control any DALI dimmable luminaire and emergency lighting.

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 Mini BLC-DALI is small enough to fit into any luminaire and its separate antenna makes up for extra flexibility. The installation of the Mini BLC-DALI is kept simple with two mounting slots. The wiring can be fixed and covered by an optional strain relief.

Technical summary

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

Order information

BLC.1002.001	Mini BLC-DALI
BLC.1612.001	Strain Relief Mini BLC

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
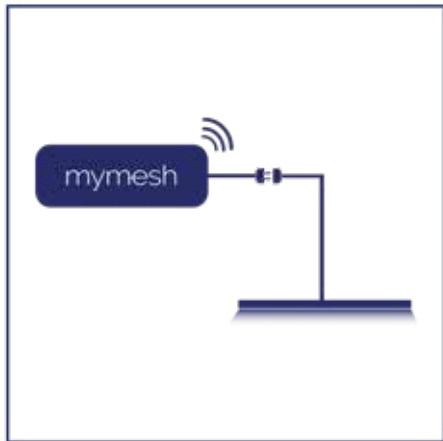• Low operational cost

Special features:

• Dimming and switching of a wide range of lamps and LEDs
• Low energy consumption by using the latest RF technology
• 30% (minimum) to 90% energy savings with light control
• Data logging of DALI dimmable and emergency lighting drivers.

Optional

• On-the-fly (re) commissioning with a Mymesh BLE Gateway and Mymesh commissioning app for iPad
• Connect to third-party back-office / Light Management system (LMS) via a Mymesh Ethernet Gateway

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)
Wiring: 1.5 mm2
Antenna: SMA Female

Energy consumption
Typical: 0.2 Watt

Radio
2.4GHz ISM band (2.400 – 2.4835 GHz)

Safety
Class II, double insulation
Overvoltage category II
Surge protection (1KV L/N)

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
CE marking

Housing
LxWxH: 84 x 30 x 24.9 mm
Material: ABS PA-765
Weight: approx 50 gram
Color: RAL 9003 (white)

This product sheet is subject to change.
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