

# Building Light Control

## Mini BLC-4DI



## Product sheet

### Wirelessly control any make or type of luminaire

The Mini BLC-4DI is a small smart wireless module with four digital inputs. With a Mini BLC-4DI you can commission all of our sensor- or actuator functionalities onto a digital input of your choice.

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-4DI is small enough to fit into almost anything and its separate antenna makes up for extra flexibility. The installation of the Mini BLC-4DI 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-4DI operates in the 2.4GHz ISM band. The Mymesh network protocol ensures a resilient and reliable connection. The Mini BLC-4DI is fitted with an external 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.5004.002	Mini BLC-4DI
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

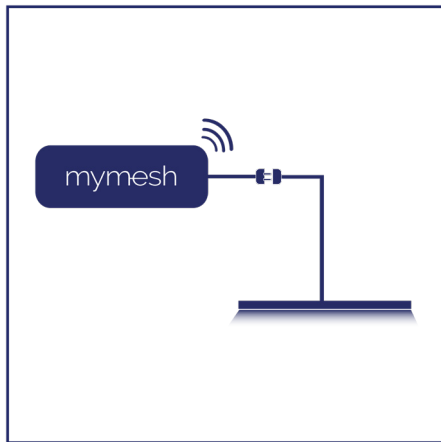
#### Special features:

- Can be commissioned as whatever you want, limited to the functionality our sensors or actuators can provide.
- Low energy consumption by using latest RF technology
- 30% (minimum) to 90% energy savings with light control

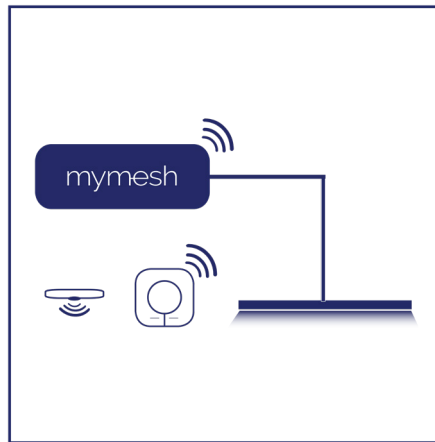
#### Optional

- 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 Ethernet Gateway

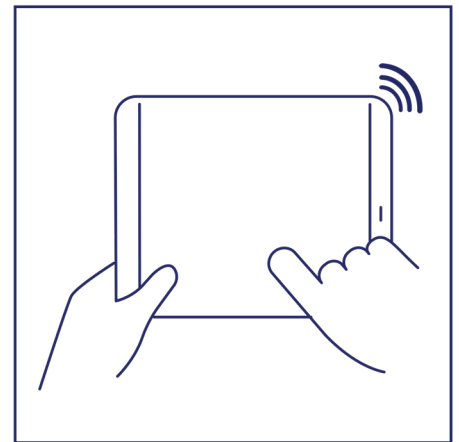
# Smart lighting in 3 steps



Connect Mymesh to your lights



2. Add sensors and switches



3. Configure the network via the App.

## Technical specifications

### Connections

Power supply: single phase 230VAC (+/-10% 50Hz)  
Wiring: 1.5 mm<sup>2</sup>  
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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