

# Building Light Control

## Micro BLC

# Product Sheet



## Wirelessly control any make or type of luminaire

The Micro BLC is a smart lighting module with clip-on sensor options. A Micro BLC enables you to easily control a dimmable luminaire and add a motion sensor for automatic control options.

### Technical summary

The Micro BLC is powered via the new DiiA DALI standard or the driver's always-on auxiliary power supply.

The Micro BLC supports the following controllers:

- DALI 1.0 for Philips SR and Osram Dexal drivers
- New DiiA DALI 2.0 standard -under development-
- 0-10V Dim
- Inventronics serial communication

### Customisation

A add-on PIR motion detector can be connected to the Micro BLC. We provide four different types of motion detectors, covering most applications.

### 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

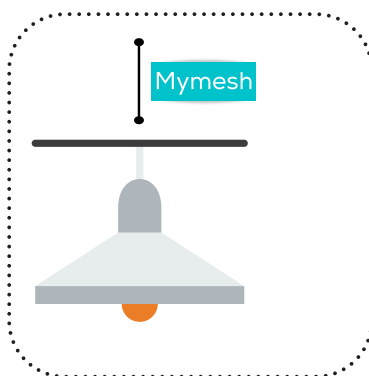
### Special features:

- Dimming and switching of a wide range of lights
- Low energy consumption by using the latest RF technology
- Up to 90% energy savings with light control
- Data logging

### Optional

- On-the-fly (re) commissioning with the Mymesh commissioning app\*
- Connect to third-party back-office / Light Management system (LMS) via a Mymesh Ethernet Gateway

## A smarter way to connect your building

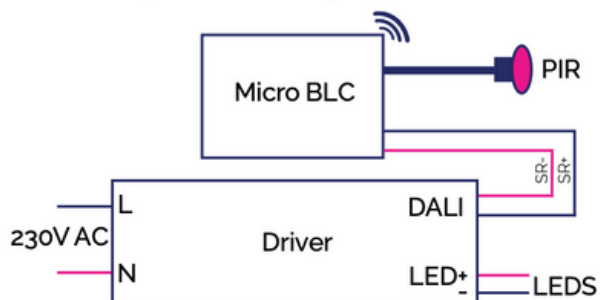


# Technical specifications

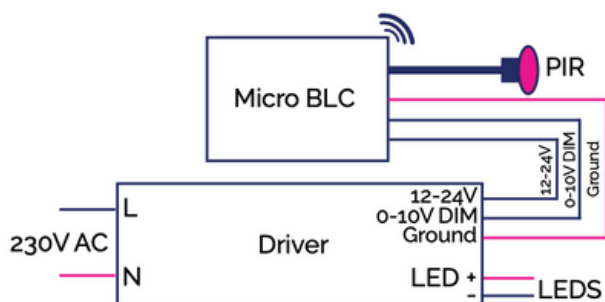
## Connections

Wiring: 0.2 - 0.5 mm<sup>2</sup> (AWG 24-22, solid conductor)

Installation: Philips Sensor Ready or OSRAM Dexal driver



Installation: 0-10V dimmable driver with aux power supply



## Energy consumption

Typical: 0.2 Watt

## Radio

2.4GHz ISM band (2.400 – 2.4835 GHz)

## Environment

Operating temperature -25°C to +70°C

(No frost, No condensation)

Relative humidity 10% to 90%

Installation height maximum 2000m above sea level

## Housing

LxWxH: approx. 48.5 x 25.3 x 26 mm

Material: ABS (PA-765 UL94 V-0)

Weight: approx. 35 gram

Color: RAL9003

## Protection degree

IP20

## Order information

BLC.6000.001 Micro BLC DALI/0-10V

## Add-on PIR

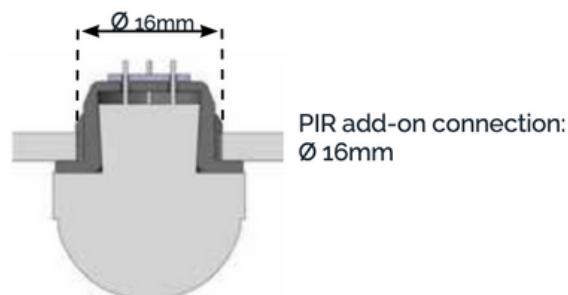
BLC.6402.001 - PIR Slight motion detection type

BLC.6401.001 - PIR Standard sensitivity

BLC.6400.001 - PIR High Bay

BLC.6403.001 - PIR Wide Angle

## PIR Installation



## Motion detection

Type: Passive Infrared (PIR) with domed multi-lens

### 1. Slight Motion PIR

Typical installation height 3 m with slow movement speed

Range: Horizontal 360°, Vertical 104°

### 2. Standard sensitivity PIR

Typical installation height 7 m.

Range: Horizontal 360°, Vertical 100°

### 3. High Bay PIR

Typical installation height 12 m

Range: Horizontal 360°, vertical 69°

### 4. Wide Angle PIR

Detection distance 5m

Range: Horizontal 150°, vertical 35° (+10 / -25°)

