Mymesh Product sheet
Connect any light, anywhere.

Micro BLC Industrial

Wirelessly control any make or type of luminaire

The Micro BLC Industrial is a for industry optimised smart lighting module. The device enables you to wirelessly connect and control a dimmable luminaire within professional and demanding environments.

Additional sensors can be attached to allow automatic control, building management and many other powerful features.

Technical summary
The Micro BLC is powered via DALI 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
- 0-10V Dim

Customisation
An add-on PIR motion detector can be connected to the Micro BLC. We provide two 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
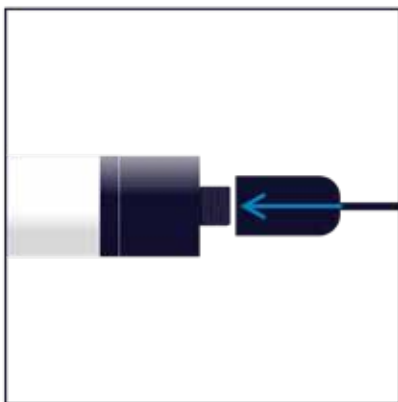- Ultra-scalable to > 10.000 fixtures in one network
- Low operational cost

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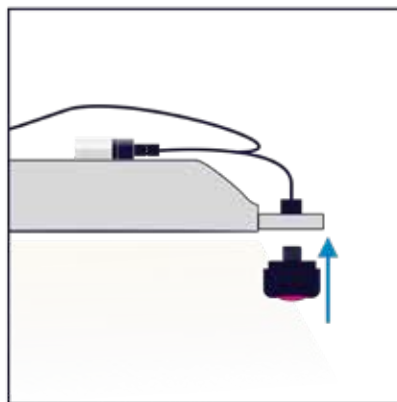- Up to 90% energy savings with light control
- Data logging

Optional
- On-the-fly (re) commissioning with the Mymesh commissioning app*
- Connect to Mymesh Management System (MMS) or Third-party dashboard via a Mymesh Ethernet Gateway

Easy commissioning

1. Connect the device
The Micro BLC Industrial comes with a sturdy Y-cable. Attach the needed devices via the plug to the driver.

2. Add sensors
An additional PIR sensor can be easily added via contra plug on the Y-cable.
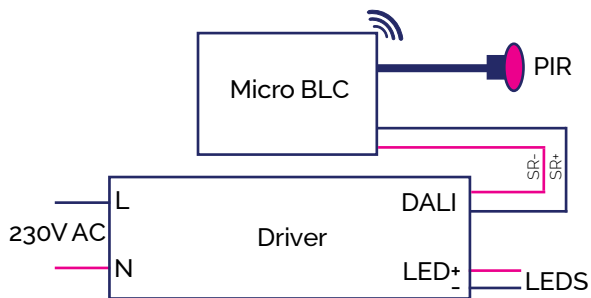

3. Configure your network
Now you only need to assign locations and behaviour to your lighting installation via the Mymesh App.

mymesh
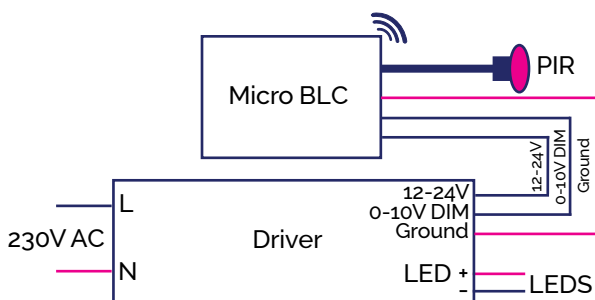by Chess

Technical specifications
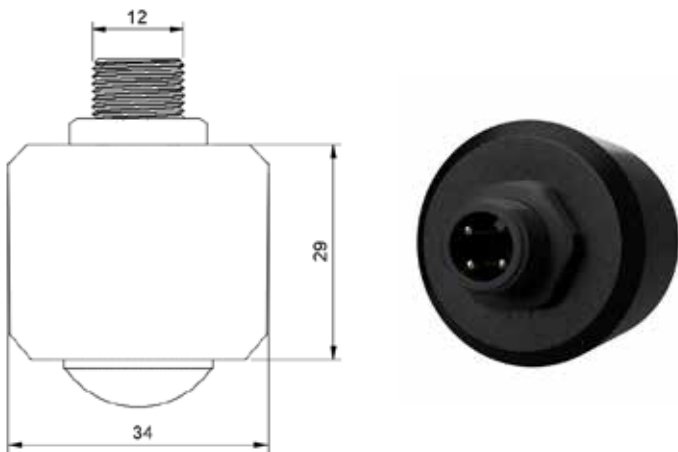
Connections

Via the accessory Y-Cable

Installation: Philips Sensor Ready or Osram Dexal drivers

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

PIR Installation

Order information

BLC.xxxx.xxx	Micro BLC Industrial
- xxxx.xxxx.xxx	Y-Cable with PIR connector

Energy consumption

Typical: 0.2 Watt

Radio

2.4GHz ISM band (2.400 – 2.4835 GHz)

Environment

Operating temperature -25˚C to +70˚C
Installation height maximum 2000m above sea level

Housing

LxWxH: approx. 63.5 x 25.3 x 26 mm
Material: ABS
Weight: approx. 50 gram
Color: RAL9003 +

Protection degree

IP54

Sensortype 1+2

Motion detection

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

1. **Standard sensitivity PIR Industrial**
   Typical installation height 7 m.
   Range: Horizontal 360˚, Vertical 100˚

2. **High Bay PIR Industrial**
   Typical installation height 12 m
   Range: Horizontal 360˚, vertical 69˚