

## Product sheet

# Micro BLC DALI/0-10V



## Making buildings smart

### Description

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.

With a Micro BLC you can easily control any DALI dimmable luminaire including DALI Type 8 (DT8) for tuneable white and RGB(W) control. Also remote monitoring of DALI emergency lighting is supported by the Micro BLC.

### Technical summary

The Micro BLC is powered via the new DiiA DALI standard or the driver's always-on auxiliary 12-24VDC power supply. D4i drivers have an integrated DALI bus power supply and can provide power to connected Micro BLC.

The Micro BLC supports the following controllers:

- DALI 1.0 for Philips SR and Osram Dexam drivers
- DiiA D4i standard
- 0-10V Dim (not compliant with additive resistance controlled drivers).

### Special features

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

1. Slight Motion PIR.  
Typical installation height 3m with slow movement speed  
Range: Horizontal 360°, Vertical 104°
2. Standard sensitivity PIR  
Typical installation height 7m  
Range: Horizontal 360°, Vertical 100°

3. High Bay PIR  
Typical installation height 12m  
Range: Horizontal 360°, vertical 69°
4. Wide Angle PIR  
Detection distance 5m  
Range: Horizontal 150°, vertical 35° (+10 / -25°)

### Easy Installation & commissioning

- Simple installation, no additional cables.
- On-the-fly (re)commissioning with the Mymesh Bluetooth Gateway and Mymesh Commissioning app available in the Apple App store for iPad.

### 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
- 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

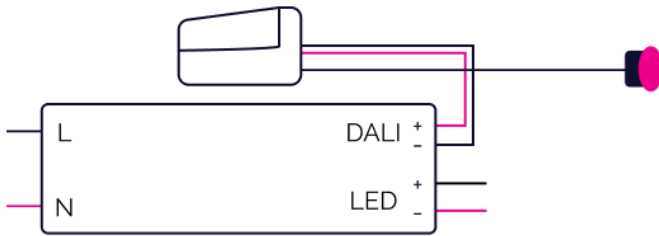
This product sheet is subject to change without notice.

## Device Information

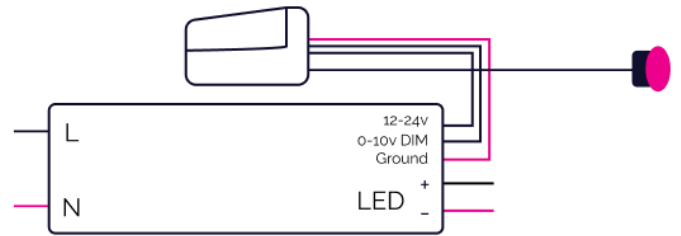
Connections	
<b>Micro BLC</b>	0.2 – 0.5 mm <sup>2</sup> AWG 22-24, solid conductor
<b>Add on Sensor</b>	connector
<b>0-10V output</b>	Open collector (max 250 mA sink)
Protection Degree	
<b>Micro BLC DALI / 0-10V</b>	IP20
<b>Add-on Sensor</b>	IP20
Energy Consumption	
<b>Typical</b>	0.2W
Order Information	
<b>Micro BLC Dali 0-10V</b>	BLC.6004.001
<b>Add-on Standard PIR</b>	BLC.6401.001
<b>Add-on Slight motion</b>	BLC.6402.001
<b>Add-on High bay</b>	BLC.6400.001
<b>Add-on wide angle</b>	BLC.6403.001

Environment	
<b>Operating Temp.</b>	-25° to + 70°C (No frost, no condensation)
<b>Relative Humidity</b>	10% to 90%
<b>Installation Height</b>	Max. 2000m above sea level
Certification	
	ETSI EN 300 440
	ETSI EN 300 328
	ETSI EN 301 489-01/03/17
	IEC EN 62368-1
	RED / CE / UKCA
Housing	
<b>LxWxH</b>	48.5mm x 25.3mm x 26mm
<b>Weight</b>	35 gram
<b>Material</b>	ABS (PA-765 UL94 V-0)
<b>Colour</b>	RAL 9003
Radio	
<b>Band</b>	2.4GHz ISM band

## Installation



Philips Sensor Ready or OSRAM Dexal driver



0-10v dimmable driver with aux power supply

## Sensor Information

