

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

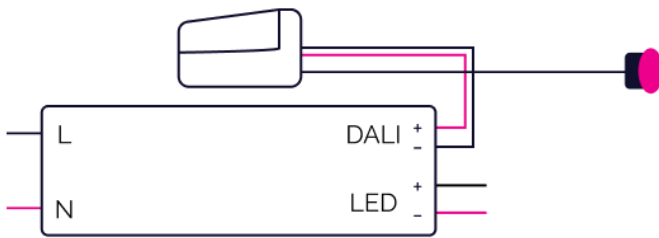
- Connect to the Mymesh Management System for remote control, monitoring and management applications
- Connect to the Building Automation System for seamless integration with the buildings technical installations
- Connect to third party dashboards and apps

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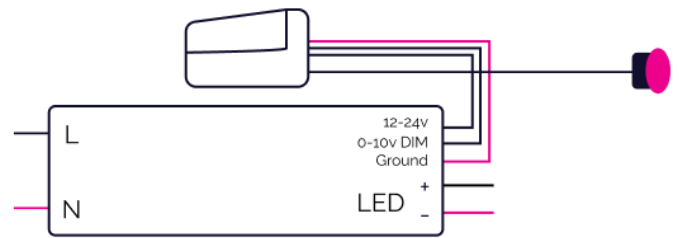
Device Information

Connections		Environment	
Micro BLC	0.2 – 0.5 mm ² AWG 22-24, solid conductor	Operating Temp.	-25° to + 70°C (No frost, no condensation)
Add on Sensor	connector	Relative Humidity	10% to 90%
DALI	Control device output (maximum 3 control gears)	Installation Height	Max. 2000m above sea level
0-10V output	Open collector (max 250 mA sink)		
Protection Degree		Certification	
Micro BLC DALI / 0-10V	IP20	ETSI EN 300 440	
Add-on Sensor	IP20	ETSI EN 300 328	
		ETSI EN 301 489-01/03/17	
		IEC EN 62368-1	
		RED / CE / UKCA	
Energy Consumption		Housing	
Typical	0.2W	LxWxH	48.5mm x 25.3mm x 26mm
		Weight	35 gram
Order Information		Material	ABS (PA-765 UL94 V-0)
Micro BLC Dali 0-10V	BLC.6004.001	Colour	RAL 9003
Add-on Standard PIR	BLC.6401.001		
Add-on Slight motion	BLC.6402.001	Radio	
Add-on High bay	BLC.6400.001	Band	2.4GHz ISM band
Add-on wide angle	BLC.6403.001		

Installation



Philips Sensor Ready or OSRAM Dexal driver



0-10v dimmable driver with aux power supply

Sensor Information

