

Product sheet

Micro BLC Microwave



Making buildings smart

Description

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

With a Micro BLC Microwave you can easily control any 0-10V and DALI dimmable luminaires 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 Microwave.

Technical summary

The Micro BLC Microwave 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 Microwave.

The Micro BLC Microwave supports the following controllers:

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

Special features

An add-on microwave motion detector can be connected to the device.

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

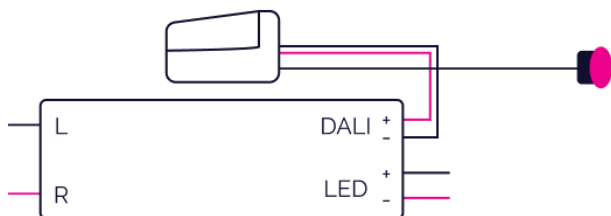
- Connect to the Mymesh Management System for remote control, monitoring and management applications
- Connect to the Building Automation System for seamless integration with the buildings technical installations
- Connect to third party dashboards and apps

This product sheet is subject to change without notice.

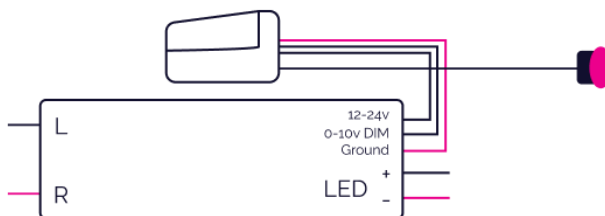
Device Information

Connections		Environment	
Micro BLC MW	0.2 – 0.5 mm ² AWG 22-24, solid conductor	Operating Temp.	-25° to + 70°C (No frost, no condensation)
Add on Sensor	Hytronik SAM4	Relative Humidity	10% to 90%
DALI	Control device output (maximum of 3 control gears)	Installation Height	Max. 2000m above sea level
0-10V output	Open collector (max 250 mA sink)		
Protection Degree		Certification	
Micro BLC MW	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
		Material	ABS (PA-765 UL94 V-0)
		Colour	RAL 9003
Order Information		Radio	
Micro BLC MW	BLC.6005.001	Band	2.4GHz ISM band
Add-on Microwave sensor (side connection)	BLC.6407.001		
Add-on Microwave sensor (bottom connection)	BLC.6407.002		

Installation



Philips Sensor Ready or OSRAM Dexal driver



0-10V dimmable driver with aux power supply

Sensor Information

