

Building Light Control

Mini BLC DALI

Product Sheet



Wirelessly control any make or type of luminaire

The Mini BLC-DALI is a small smart lighting module with a single controller for DALI drivers. With a Mini BLC-DALI you can easily control any DALI dimmable luminaire and emergency lighting.

BLC modules automatically form a wireless sensor-and-control network that is self-organizing and self-synchronizing, resulting in a robust and scalable smart lighting system that inherently is the foundation for a smart building network.

Easy installation

The Mini BLC-DALI is small enough to fit into any luminaire and its separate antenna makes up for extra flexibility. The installation of the Mini BLC-DALI is kept simple with two mounting slots. The wiring can be fixed and covered by an optional strain relief.

Technical summary

A Mymesh Mini BLC-DALI operates in the 2.4GHz ISM band. The Mymesh network protocol ensures a resilient and reliable connection. The Mini BLC-DALI is fitted with an external antenna providing enough reach for most indoor office and industrial applications. Every BLC device acts as a repeater for the next device, expanding the range and reliability of the wireless network.

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 lamps and LEDs
- Low energy consumption by using the latest RF technology
- 30% (minimum) to 90% energy savings with light control
- Data logging of DALI dimmable and emergency lighting drivers

Optional

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

Product codes

BLC.5004.002
BLC.1616.001

Mini BLC-4DI
Strain Relief Mini BLC

Connections		Environment	
Power Supply	single fase 230VAC (+/-10% 50Hz)	Operating Temp.	-25 °C to + 70 °C
Dali	master output (maximum of 1 slave) 1-10V	Relative Humidity	10% to 90%
Wiring:	1.5 mm2	Installation Height	Maximum 2000m above sea level
Antenna:	SMA Female	Certification	
Protection Degree		ETSI EN 300 440	
MultiSensor	IP20	ETSI EN 301 489-01/03	
Energy consumption		IEC EN 60950-1:2006	
Typical	0.2 Watt	CE Marking	
Safety		Housing	
Class II, Double insulation		LxWxH	84mm x 30mm x 24.9mm
Overvoltage category II		Weight	approx 50 gram
Surge protection (1KV L/N)		Material	ABS PA-765
Order information		Colour	RAL 9003White
Mini BLC-Dali	BLC.1002.001	Radio	
Strain Relief Mini BLC	BLC.1612.001	Band	2.4GHz ISM band (2.400 – 2.4835 GHz)

A smarter way to connect your building

