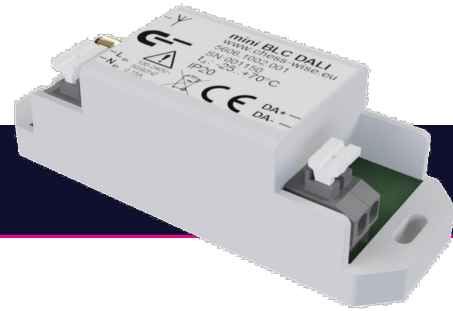# Product Sheet

mymesh

BLC Mini-Dali

Master your environment

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-andcontrol 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

Device information

Connections

Power Supply	single fase 230VAC (+/-10% 50Hz)
Dali	master output (maximum of 1 slave) 1-10V
Wiring:	1.5 mm2
Antenna:	SMA Female

Protection Degree

MultiSensor	IP20

Energy consumption

Typical	0.2 Watt

Safety

Class II, Double insulation
Overvoltage category II
Surge protection (1KV L/N)

Order information

Mini BLC-Dali	BLC.1002.001
Strain Relief Mini BLC	BLC.1612.001

Environment

Operating Temp.	-25 ˚C to + 70 ˚C
Relative Humidity	10% to 90%
Installation Height	Maximum 2000m above sea level

Certification

ETSI EN 300 440
ETSI EN 301 489-01/03
IEC EN 60950-1:2006
CE Marking

Housing

LxWxH	84mm x 30mm x 24.9mm
Weight	approx 50 gram
Material	ABS PA-765
Colour	RAL 9003White

Radio

Band	2.4GHz ISM band (2.400 – 2.4835 GHz)