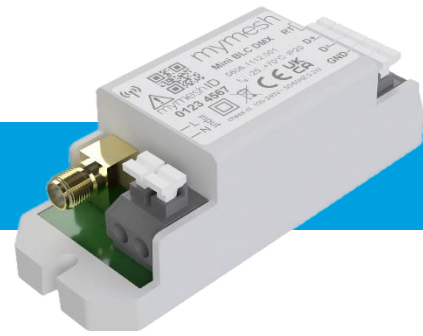Product sheet

Mini BLC DMX

Making Buildings smart

Description

The Mini BLC-DMX is a small smart lighting module with a single controller for DMX drivers.

With a Mini BLC-DMX you can easily control any DMX dimmable RGBW luminaire. The Mini BLC DMX is **fixed** configured to channel 1..4. This cannot be patched.

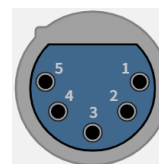| Channel 1	R
Channel 2	G
Channel 3	B
Channel 4	W
	not used
Channel 511	not used
Channel 512	not used

Technical summary

Mymesh is a fully mesh wireless network protocol in which the applied Mymesh components communicate with each other and automatically organize themselves into a fully integrated wireless sensor- and control network, resulting in a robust and scalable smart control system that inherently is the foundation for a smart building network.

Mymesh Support Centre (MSC)

At the MSC, you can find the Mymesh e-courses which provide information about the network, the API and other Mymesh functionalities. MSC is available for verified Mymesh Partners & Dealers.

Easy Installation & commissioning

The Mini BLC DMX is connected to a DMX fixture. Conversion of the terminal connection to XLR is shown below.

1 = GND

2 = D –

3 = D +

The Mini BLC DMX provides the option to connect a build in 120 Ohm termination resistor.

Please contact your local Mymesh dealer for more information.

The Mini BLC DMX is small enough to fit into a junction box or cabinet and its separate antenna makes up for extra flexibility.

The installation of the Mini BLC DMX is kept simple with two mounting slots. The wiring can be fixed and covered by an optional strain relief.

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	
Rated input voltage	100 - 240VAC, 50/60Hz (140 - 340VDC)
Input voltage range	85 - 265VAC, 47 - 63Hz (120 - 370VDC)
Wiring	DMX cabling (110 Ohm)
Antenna	SMA Female

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

Energy Consumption	
Typical	0.2W

Order Information	
Mini BLC DMX	BLC.1112.001
Strain Relief	BLC.1612.001

Environment	
Operating Temp.	-25˚ to + 70˚C
Relative Humidity	10% to 90%
Installation Height	Max. 2000m above sea level
Protection degree	IP20

Certification	
ETSI EN 300 440	
ETSI EN 300 328	
ETSI EN 301 489-01/03/17	
IEC EN 62368-1	
RED / CE / UKCA	

Housing	
LxWxH	84mm x 30mm x 24.9mm
Weight	Approx. 50 grams
Material	ABS PA-765
Colour	RAL 9003 White

Radio	
Band	2.4GHz ISM band (2.400- 2.4835 GHz)