Blu2Light

BLUETOOTH® WIRELESS TECHNOLOGY DEVICES AS INDUSTRIAL SENSOR

BLUETOOTH® WIRELESS TECHNOLOGY DEVICES AS INDUSTRIAL SENSOR

Blu2Light – The intelligent wireless lighting control solution

Blu2Light is the first completely open Bluetooth® wireless technology system with mesh functionality for the professional lighting market, which, in addition to a variety of functions for lighting control, offers the luminaire manufacturer added IoT benefits with maximum system security.

Blu2Light Industrial Sensor

The Blu2Light Industrial Sensor enables the use of our Blu2Light system in industrial applications. The product is powered directly by DALI. Installation is at high altitudes or in applications where a high level of IP protection is required.

DALI controller with Bluetooth® wireless technology and daylight and motion sensor, version up to 12 m mounting height.

Blu2Light Industrial Sensor

- **ENABLES THE OPERATION OF THE BLU2LIGHT NETWORK IN INDUSTRIAL APPLICATIONS**

- **INTEGRATED BLUETOOTH® MESH RADIO MODULE**

- **CONNECTION OF UP TO 64 DALI DRIVERS**

- **INSTALLATION IN INDUSTRIAL HALLS OR APPLICATIONS WHERE HIGH IP PROTECTION IS REQUIRED.**

- **OPERATING LIFETIME: 50,000 HRS.**
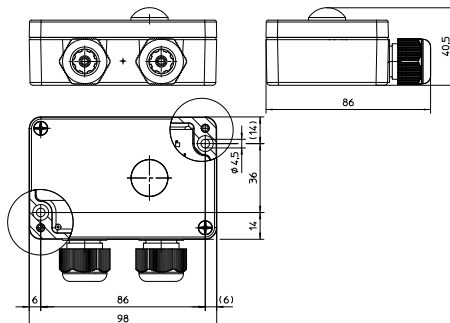
- **PRODUCT GUARANTEE: 5 YEARS**

5 YEARS GUARANTEE

Blu2Light Industrial Sensor

Module with Bluetooth® wireless technology

For installation in industrial halls or
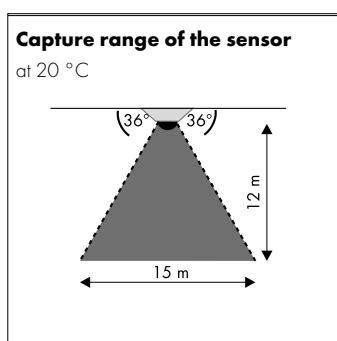Applications where high IP protection is required

ATTENTION:

• The module must be connected to the DALI supply by using terminals provided by the customer.

Type	Industrial Sensor
Ref. No.	187212
Communication	Blu2Light Mesh Network
Frequency range	2402–2480 MHz
HF output power	< 10 mW EIRP
Power consumption standby/operation	< 0.5 W
Power supply	via DALI bus
Ambient temperature t_a	0–50 °C
Humidity in operation:	5–95 %
IP protection	IP65
Protection class	II
Weight	135g
Output power	< 10 mW EIRP
Light sensor	0-1000 lx, V( ) compensated
Motion sensor	PIR detection range 0.1 to max. 12 m (depending on temperature)
Detection range (at ta = –20°C)	At maximum mounting height of 12 m, this results in a detection range with a diameter of approx. 15 m

Product guarantee

• 5 years
• The conditions for the Product Guarantee
  of the Vossloh-Schwabe Group shall apply
  as published on our homepage
  (www.vossloh-schwabe.com).
  We will be happy to send you these condi-
  tions upon request.

50 000 hours
Min. Service Lifetime

Guarantee 5 years

Capture range of the sensor
at 20 °C

36°   36°

12 m

15 m

The values in this data sheet may change due to technical innovations and are subject to change without notice.

Blu2Light Industrial Sensor

General Safety and Mounting Instructions

- Only qualified persons are allowed to install Blu2Light products.
- Prior to installing and commissioning the system, read these instructions carefully. Only this will guarantee correct and safe handling. Please keep these instructions as you may need them later.
- The devices must always be disconnected before any work is carried out on them.
- The applicable safety and accident prevention regulations must be observed.
- Opening by unqualified personnel of the products is prohibited: Risk of death from electric shock!
  The devices must only be repaired by the manufacturer.
- Only one DALI power supply may be connected.
- Overvoltage protection of the DALI interface: Connecting voltages higher than the DALI voltage will destroy the products.
  Operation with 24 V / 110 V / 230 V is generally not permitted!

Mounting

- Pay attention to the correct polarity according to the connection markings!

Important note:

- Please refer to the installation instructions included with the product and the applicable Blu2Light system data sheet "How to Blu2Light" before installation. Make sure that the Bluetooth radio signal can propagate freely according to the specifications.
- All Blu2Light devices that are supplied via DALI may only be connected to one DALI power supply! Therefore, it is not permissible to connect several Blu2Light devices to one power supply. In this case, malfunctions will occur.

Setup and operation

- The Blu2Light devices are configured with the LiNA Connect app and can be operated via the LiNA Touch app.
- For the exact procedure for the configuration of the devices please refer to the instructions in the LiNA Connect app or in the corresponding documentation.
- A tablet is required for setup, both tablets and smartphones can be used for operation. Both are not included in the scope of delivery.
- For information on the iOS and Android operating systems that can currently be used, refer to the LiNA Connect/ LiNA Touch manual:

Bluetooth® wireless technology

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CE

We, Vossloh-Schwabe Deutschland GmbH, herewith confirm that these devices comply with the basic requirements of the directive 2014/53 / EU and other relevant directives. The entire text of the declaration of conformity can be obtained from the following address:
www.vossloh-schwabe.com

EAC

Declaration of Conformity of the Eurasian Customs Union

B2L

Symbol for marking Blu2Light capable products