



KOALA SENSOR

BLUETOOTH® WIRELESS
TECHNOLOGY DEVICES FOR
INSTALLATION IN LUMINAIRES



BLUETOOTH® WIRELESS TECHNOLOGY DEVICES FOR IN- STALLATION IN LUMINAIRES

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 MultiSensor XF / XFC

DALI controller with Bluetooth® wireless technology and daylight and motion sensor.

In white (187323) and black (187324) case.

The power is supplied via DALI.

Blu2Light MultiSensor XF / XFC

- SPACE SAVING HOUSING SHAPE
- EXTRA FLAT HOUSING
- DAYLIGHT SENSOR
- SHADING POSSIBILITY OF ONE SIDE
- INTEGRATED BLUETOOTH® MESH RADIO MODULE
- MAINTENANCE-FREE
- OPERATING LIFETIME: 50,000 HRS.
- PRODUCT GUARANTEE: 5 YEARS



Blu2Light MultiSensor XF

Blu2Light MultiSensor XF-WH/BK

For ceiling or luminaire installation

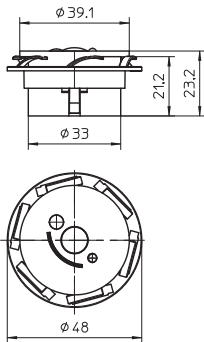
Dimensions (ØxH): 40x43.8 mm

With cord grip and built-in LED (blue-green):

This flashes in configuration mode.

Weight: 23 g

Order no.: 187323 (WH)/187324 (BK)



Blu2Light MultiSensor XFC

Blu2Light MultiSensor XFC-WH/BK

For ceiling or luminaire installation

Dimensions (ØxH): 40x21.8 mm

With pre-assembled cables and built-in LED (blue-green):

This flashes in configuration mode.

Weight: 23 g

Order no.: 187530 (WH)/187531 (BK)

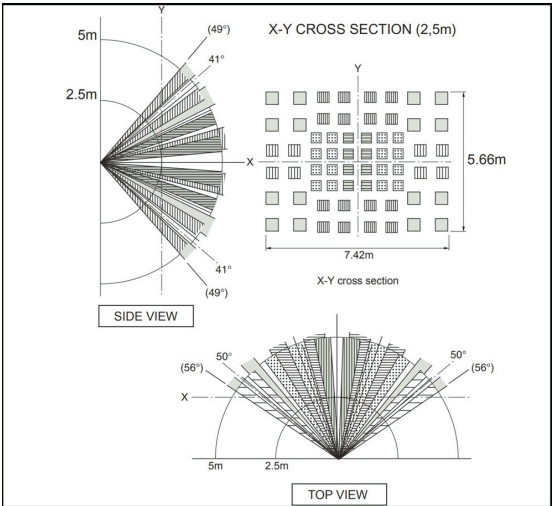


Type	MultiSensor XF-WH (187323) / MultiSensor XFC-WH (187530)
Ref. No.	MultiSensor XF-BK (187324) / MultiSensor XFC-BK (187531)
Communication	Blu2Light Mesh Network
Frequency range	2402–2480 MHz
HF output power	< 10 mW EIRP
Power consumption standby/operation	< 0.24 W (max. 1.5 mA at 1.6 V)
Power supply	via DALI bus
Operating temperature t _a	0–50 °C
IP protection	IP20
Protection class	II
Dimensions (Ø x H)	40x43,8 mm (XF with cord grip) / 40x21.8 mm (XFC)
Casing	polycarbonat, white / polycarbonat, black
Weight	23 g
Plug-in terminals for conductor cross-section	0,5–1,5 mm² (XF) / 2x 0.5 mm², cable length 400 mm (XFC)
Measuring range light sensor	0-1000 lx, V(l) compensated
PIR detection range	max. 5,7m(temperature dependent)
Detection range (at t _a = 20 °C)	With a recommended maximum mounting height of 4 m, this results in a detection area with a diameter of approx. 9 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 conditions upon request.



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



Blu2Light MultiSensor XF / XFC

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 DALI power supply may be connected.
- Overvoltage protection of the DALI interface: Connecting higher voltages than DALI voltage will destroy the products. Operation with 24 V / 110 V / 230 V is generally not permitted!

Mounting

- A DALI power supply must be present on the input side.
- The sensor has a slot in which a film with a thickness of 0.3 to 0.5 mm and width of 18 mm can be inserted to protect the sensor from unwanted motion detection. The film must be impermeable to IR radiation. The height of the film determines the degree of shading and has a direct effect on the detection area. As an example, you can select a height of 30 mm, e.g. to shield workstations from each other. Please note the specific situation at the installation site.
- Approved films (www.modular.de)
Article no.: 0170498 PVC-hard transp., clear, 0.5 x 210 x 297 DIN A4
Article no.: 0190181 PVC-hard white, 0.3 x 210 x 297 DIN A4

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

The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Vossloh-Schwabe is under license. Other trademarks and trade names are those of their respective owners.

Important note:

- Please refer to the installation instructions included with the product and the applicable Blu2Light system data sheet 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.
- CAUTION: If this Blu2Light product is connected to several DALI drivers with an active DALI interface (e.g. D4i), the product may be permanently damaged immediately after the operating voltage is applied if the sum of the individual supplies exceeds the maximum DALI current. Switching on the supply voltage without first checking the maximum current must therefore be ruled out. If necessary, the power supplies of individual DALI devices must be deactivated individually before commissioning the system; the steps required for this can be found in the manual of the respective manufacturer of the operating device.



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

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