



BLUETOOTH® WIRELESS
TECHNOLOGY DEVICES
AS SMARTNIGHT
N-SENSORCOUPLER



BLUETOOTH® WIRELESS TECHNOLOGY DEVICES AS SMARTNIGHT N-SENSORCOUPLER

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 SmartNight N-Sensorcoupler

Direct supply via DALI makes the product user-friendly and maintenance-free after installation.

Blu2Light SmartNight N-Sensorcoupler

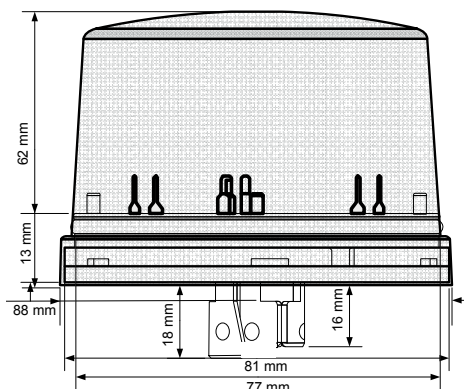
- **ENABLES THE INTEGRATION OF DALI2-CERTIFIED MOTION SENSOR INTO STREET LIGHTS.**
- **INTEGRATED BLUETOOTH® MESH RADIO MODULE**
- **USER-FRIENDLY**
- **INSTALLATION IN STREET LUMINAIRES IN A NEMA STANDARDISED BASE**
- **OPERATING LIFETIME: 50.000 HRS. OR 50.000 SWITCHING CYCLES**
- **PRODUCT GUARANTEE: 5 YEARS**



Blu2Light SmartNight N-Sensorcoupler

Smart Night Outdoor Controller

For installation on street lights in a NEMA standardised base with three or four contacts for coupling a DALI2-certified motion sensor



ATTENTION:

- When installing, the arrow on the housing must point north in the northern hemisphere and south in the southern hemisphere. This is a standard NEMA socket.
- A DALI power supply must be present on the input side.

Type Ref. No.	SmartNight N-Sensorcoupler / 187633
Communication	Blu2Light Mesh Network
Frequency range	2402–2480 MHz
HF output power	< 10 mW EIRP
Power consumption standby	< 0,24 W (max. 15 mA at 16 V)
Power supply	via DALI bus
Operating temperature t_a	-25–80 °C, non-condensing
IP protection	IP65
Dimensions (Ø x H)	88 x 85 mm
Casing / Impact resistance	polycarbonate, transparent or black / IK09
Weight	131 g
Light sensor	0-1000 lx, λ compensates

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.



Smart Night Configuration	Smart Night N-Sensorcoupler
NEMA standard 7-pin connector	Yes
Power supply	–
Power supply via DALI	Yes
GPS real-time module	–
Twilight sensor	Yes
DALI output	1 active DALI driver*
DALI addresses	1
1-10V output**	–
Relay output	–
Functional groups (DT8, RGBW)	1
Full Blu2Light compatibility	Yes

* the maximum DALI current provided by the driver must be observed.

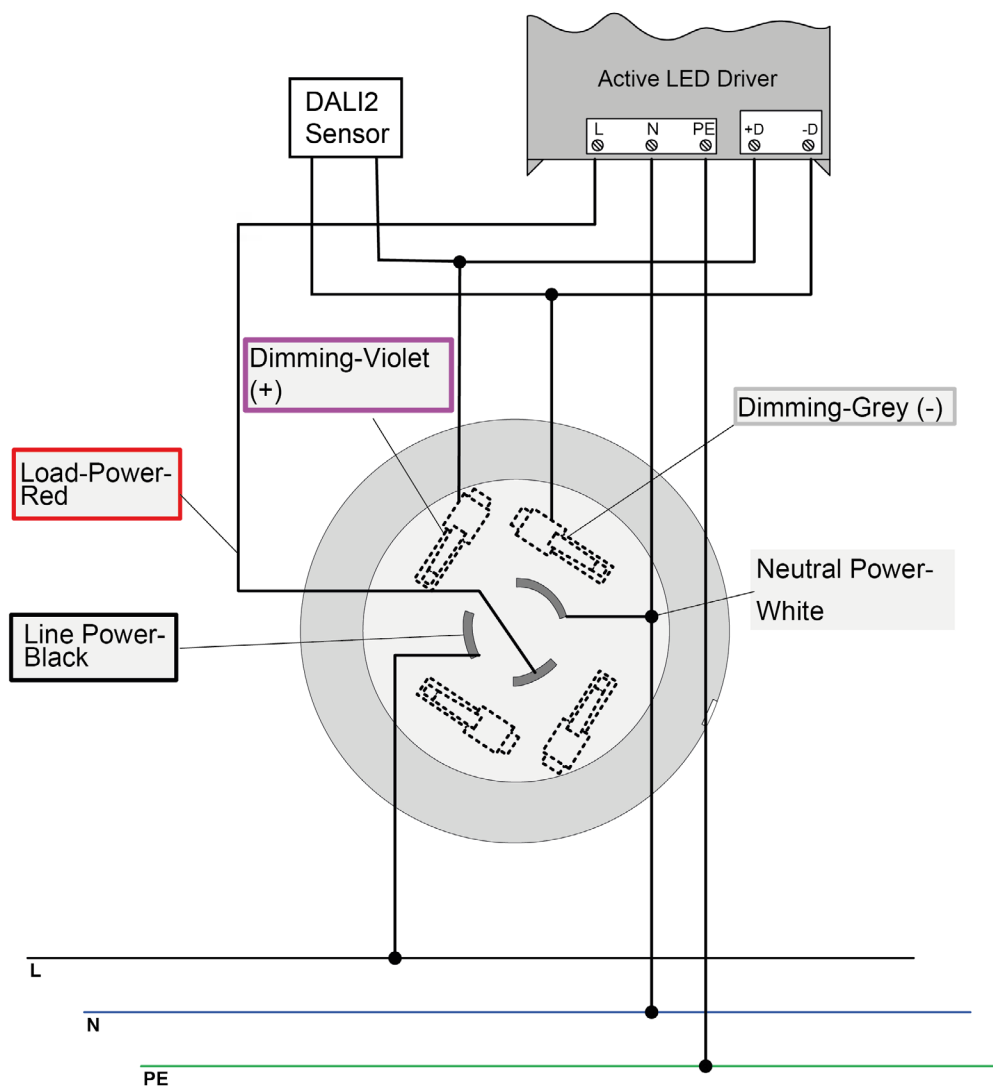
The values in this data sheet may change due to technical innovations and are subject to change without notice.



Product label



Connection example



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Blu2Light SmartNight N-Sensorcoupler

General Safety and Mounting Instructions

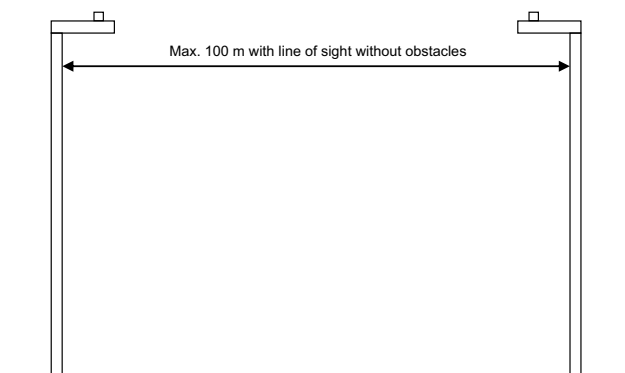
- Only qualified persons are allowed to install Blu2Light products.
- Prior to installing and commissioning the system, read these instructions carefully. Only this will guarantee correct and safe handling. Please keep these instructions as you may need them later.
- The devices must always be disconnected 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.
- The CLO service life in 1000 hours refers to the service life of the module.
- L1 to L5: These are points at which the luminous flux is adjusted over the lifetime to ensure a constant luminous flux throughout the entire service life of the module.

Mounting

- Pay attention to the correct polarity according to the connection markings!
- L and N must be connected correctly and must not be interchanged.
- The Blu2Light Outdoor control units are designed to control street lights.
- First connect the base of the control unit to the luminaire.
luminaire. The arrow on the housing must point to the north on the north in the northern hemisphere and south in the southern hemisphere. This is a standard NEMA base.
- Connect the DALI2 motion sensor to the DALI bus.
- A DALI power supply must be present on the input side.

Installation instructions

- Pay attention to the correct polarity according to the connection markings!
- Ensure the arrow on the housing is correctly aligned.
- Mains voltage at the DALI connection: This will destroy the device.
- Important note: Buildings, trees, or weather can affect the range!



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:



Important notes:

- 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.
- ATTENTION: According to the D4i specification, active drivers deliver up to 250 mA via the DALI interface. This additional power supply allows for the direct connection of external modules such as motion sensors or wireless devices. Ensure that the current consumption of the modules does not exceed the supplied current, otherwise an additional DALI supply is required.

Bluetooth® wireless technology

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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

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