



BLUETOOTH® WIRELESS
TECHNOLOGY DEVICES
AS SMARTNIGHT
NC-GPS, NC & N-ME/N-ME-S



BLUETOOTH® WIRELESS TECHNOLOGY DEVICES AS SMARTNIGHT NC-GPS, NC & N-ME/N-ME-S

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 NC-GPS, NC & N-ME/N-ME-S

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

Blu2Light SmartNight NC-GPS, NC & N-ME/N-ME-S

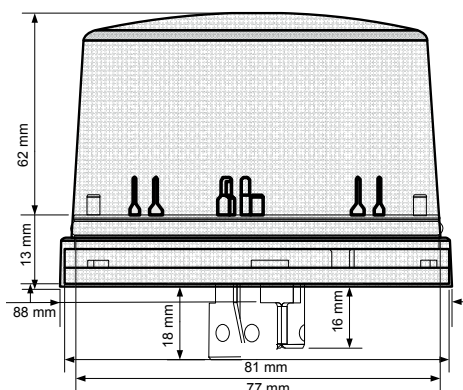
- ENABLES THE INTEGRATION OF THE BLU2LIGHT NETWORK IN STREETLIGHTING
- INTEGRATED BLUETOOTH® MESH RADIO MODULE
- USER-FRIENDLY
- INSTALLATION IN STREET LUMINAIRES IN A NEMA STANDARDISED BASE
- OPERATING LIFETIME: 50,000 HRS. OR 50,000 SWITCHING CYCLES
- PRODUCT GUARANTEE: 5 YEARS



Blu2Light SmartNight NC-GPS, NC & N-ME/N-ME-S

Smart Night Outdoor Controller

4 model variants for installation on street lights
in a NEMA standardised base
with three or four contacts



ATTENTION:

- Pay attention to the correct polarity of L and N.
- A mains voltage must be present on the input side, 110-277 V AC. (187219, 187278)
- A DALI power supply must be present on the input side. (187255, 187459)

Type Ref. No.	SmartNight NC-GPS 187219, NC 187278 & N-ME 187255/ N-ME-S 187459
Communication	Blu2Light Mesh Network
Frequency range	2402–2480 MHz
HF output power	< 10 mW EIRP
Power consumption standby	< 0,5 W (187219, 187278); < 0.25 W (187255, 187459)
Power supply	110–277 V AC (187219, 187278); DALI 16 V / 15 mA (187255, 187459)
Operating temperature t_a	-25–80 °C
IP protection	IP65
Dimensions (Ø x H)	88 x 85 mm
Casing / Impact resistance	polycarbonate, transparent or black / IK09
Weight	198 g (187219), 197 g (187278), 131 g (187255, 187459)
Non condensating	187219, 187278, 187255, 187459

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 NC-GPS	Smart Night NC	Smart Night N-ME/N-ME-S
NEMA standard 7-pin connector	Yes	Yes	Yes
Power supply	Yes	Yes	–
Power supply via DALI	–	–	Yes
GPS real-time module	Yes	–	–
Twilight sensor	Yes	–	–
DALI output	4 passive DALI drivers	4 passive DALI drivers	1 active DALI driver*
DALI addresses	4	4	64
1-10V output**	Yes	Yes	–
Relay output	Yes	Yes	–
Functional groups (DT8, RGBW)	1	1	1/16(N-ME-S)
Full Blu2Light compatibility	Yes	Yes	Yes

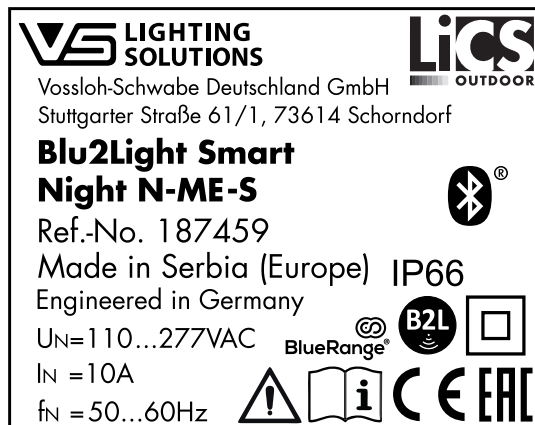
* or 64 passive DALI drivers with one Extender 64

** a maximum of two devices can be used simultaneously

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



Product labels



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Blu2Light SmartNight NC-GPS, NC & N-ME/N-ME-S

General Safety and Mounting Instructions

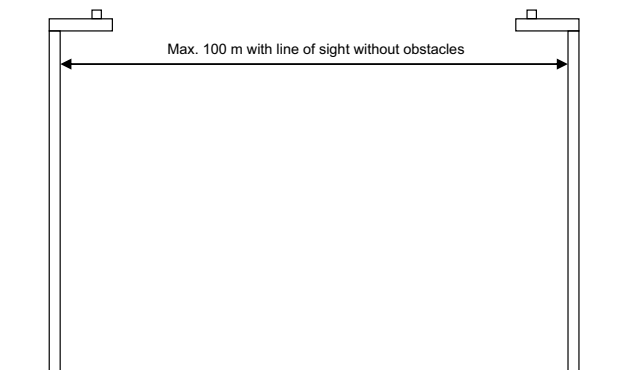
- Only qualified persons are allowed to install Blu2Light products.
- Prior to installing and commissioning the system, read these instructions carefully. Only this will guarantee correct and safe handling. Please keep these instructions as you may need them later.
- The devices must always be disconnected 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 AC voltage may be connected. (187219, 187278)
- Only DALI power supply may be connected. (187255, 187459)

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.
- A mains voltage must be present on the input side, 110-277 V AC (187219, 187278).
- A DALI power supply must be present on the input side (187255, 187459).
- The CLO lifetime in 1000 h refers to the lifetime of the module.
- L1 to L5: are points where the luminous flux is adjusted over the lifetime to ensure a constant luminous flux over the entire lifetime of the module.
- The switching of the built-in relay can be delayed.

• Installation instructions

- Make sure that the polarity of L and N is correct.
- Installation in street luminaires in a NEMA standardised base
- Mains voltage at the DALI connection: This will destroy the unit.
- Important note: Buildings, trees or the 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: If this Blu2Light product (N-ME/N-ME-S) is connected to several DALI drivers with an active DALI interface (e.g. drivers with an active DALI interface (e.g. D4i), this product may be permanently damaged if the sum product if the sum of the individual supplies exceeds the maximum DALI current. DALI current. Switching on the supply voltage without 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 the system commissioning, the necessary steps can be found in the manual of the respective The necessary steps can be found in the manual of the respective manufacturer of the operating device.
- To use the Real-Time Clock and the GPS function, the Blu2Light Smart Night NC-GPS must be aligned outdoors with a clear view of the sky!

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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