Blu2Light

BLUETOOTH® WIRELESS TECHNOLOGY DEVICES FOR INSTALLATION IN LUMINAIRES

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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 DigiLED 4CH
Innovative 4-channel Bluetooth® constant voltage dimmer for LED modules from 12 VDC to 48 VDC.

- Configuration via LINA Connect App
- Control via LINA Touch App
- 4 individually controllable output channels
- Comfortable adjustment of RGBW light colours

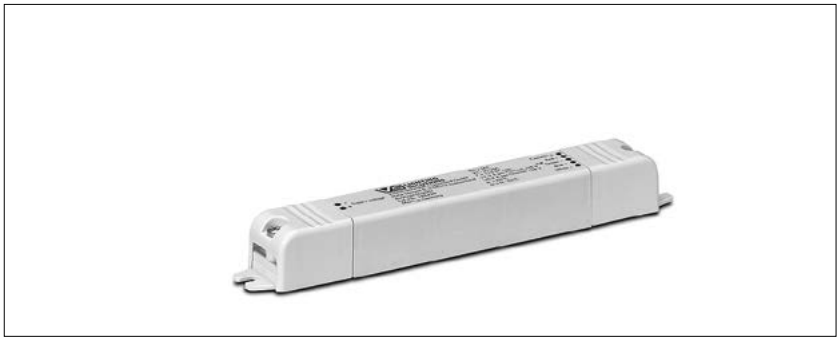
The Blu2Light DigiLED 4CH is suitable for applications in ambient and general lighting solutions between 12 and 48 VDC. A typical application for the DigiLED 4CH is the wireless colour control of an RGBW LED module.

Blu2Light DigiLED 4CH

- **CONFIGURATION VIA LINA CONNECT APP**
- **CONTROL VIA LINA TOUCH APP**
- **4 INDIVIDUALLY CONTROLLABLE OUTPUT CHANNELS**
- **COMFORTABLE ADJUSTMENT OF RGBW LIGHT COLOURS**

LIGHTING SOLUTIONS
Vossloh-Schwabe Deutschland GmbH · Hohe Steinert 8 · 58509 Lüdenscheid · Germany · Phone +49 (0) 23 51/10 10 · Fax +49 (0) 23 51/10 12 17 · www.vossloh-schwabe.com

Blu2Light DigiLED 4CH



Technical data:

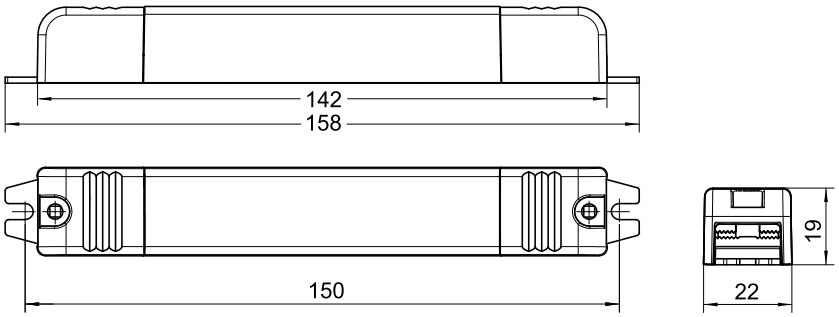
- 4 channel constant voltage dimmer with Bluetooth® wireless technology for RGBW applications
- For luminaire installation and independent mounting with cord grip
- Mounting: M3 screws

Ref. No.: 186839

Type **Ref. No.**	**DigiLED 4CH** **186839**
Communication	Blu2Light Mesh Network
Frequency range	2402-2480 MHz
HF output power	< 10 mW EIRP
Power consumption standby/operation	0.3W / max. 115 W
Input voltage range (depending on LED module)	11–50 VDC
Ambient temperature t_a	0–50 °C
IP protection	IP20
Protection class	III
Dimensions (with cord grip)	158x22x19 mm (LxWxH)
Casing	plastic, white
Weight	41 g
Plug-in terminal for conductor cross-section	Input 0.5–1.5 mm² / Output (–) Poles: 0.2–0.5 mm² /Output (+) Pole 0.5–1.5 mm²

Operational channels	**4 channels**			**1 channel**		
Voltage	12 V	24 V	48 V	12 V	24 V	48 V
Max. load per channel	1.2 A	1.2 A	0.6 A	4.8 A	4.8 A	2.4 A
Min. dimming level (PWM): 1250 Hz (flicker-free)						

Dimensions:



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Blu2Light DigiLED 4CH

Matching:

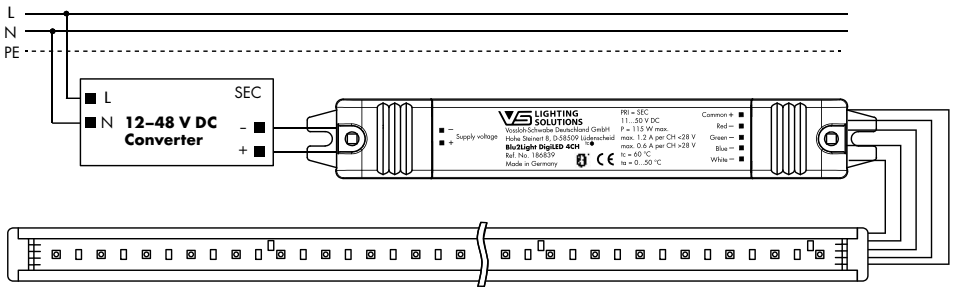
AluLED RGB LED modules in flat aluminium profile
- Built-in heat sink for optimal thermal management
- Plug & play through pre-assembled plugs
- Available in 3 lengths: 320 mm, 920 mm, 1220 mm

Ref. No.: 571139, 571140, 571141

LED Line Flex RGBW
- Flexible LED module
- Low colour tolerance: 3-fold MacAdam
- On-board current control

Ref. No.: 569826, 569825

Connection example:



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Blu2Light DigiLED 4CH

General Safety Instructions

- Only qualified persons are allowed to install and start up 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.
- Supply of external voltage to the input side, e.g. 230 V mains voltage, may destroy the products.

Mounting

Secure the DigiLED 4CH with two screws.
Connect a power supply between 11 and 50 VDC on the input side.
The maximum allowed cable length between power supply and Blu2Light DigiLED 4CH is 1.5 m.
On the output side, connect the respective color channels (red/green/blue/white) and the positive pole of the LED module. Colour channels not required can be left free. When connecting the power supply and the LED module, ensure correct polarity, otherwise the device and/or the LED module may be destroyed!
For independent mounting, the strain relief caps must also be mounted.

Power supply

This product does not contain its own power supply and must be supplied with 12–48 V constant voltage. Please refer to our system overview for suitable VS power supplies and corresponding drivers.

Overvoltage protection of the 11-50V interface

Connecting higher voltages than 50VDC will destroy the products. Operation with voltages < 11VDC / > 50VDC or 230VAC is generally not permitted!

Installation instructions

Conductor cross-section input side: 0.5–1.5mm² for rigid or flexible conductors
Conductor cross section output side: (–) Poles: 0.2–0.5mm² / (+) Pole 0.5–1.5mm²

Setup and operation

The Blu2Light luminaire installation devices are configured with LINA Connect App and can be operated via the LINA Touch App. For the exact procedure for configuring the devices, please refer to the instructions in the Blu2Light App or the corresponding documentation. An Apple iPad is required for setup, and both tablets and smartphones can be used for operation. Both are not included in the delivery.

LINA Connect Konfiguration	iOS
Tablet	Version 10 und höher

LINA Touch Bedienung	iOS
Tablet	Version 10 und höher
Smartphone	

LINA Touch Bedienung	Android
Tablet	Version 5 und höher
Smartphone	

Bluetooth® wireless technology

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:

Vossloh-Schwabe Deutschland GmbH
Hohe Steinert 8
D-58509 Lüdenscheid

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