Blu2Light

BLUETOOTH® WIRELESS TECHNOLOGY DEVICES FOR INSTALLATION IN LUMINAIRES

BLUETOOTH® WIRELESS LED DRIVERS FOR USE IN DC SYSTEMS AND SOLAR LIGHTS

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 CC 48 V 1CH
Innovative 1-channel Bluetooth® constant current driver for LED modules from 12 VDC to 48 VDC.

The Blu2Light DigiLED CC 48 V 1CH is suitable for Solar and DC applications in ambient and general lighting solutions between 12 and 48 VDC. A typical application for the DigiLED CC 48 V 1CH is the wireless control of a LED module.

Blu2Light DigiLED CC 48 V 1CH

- **CONFIGURATION VIA LINA CONNECT APP**
- **CONTROL VIA LINA TOUCH APP**
- **CONTROLLABLE VIA BLUETOOTH**
- **1 INDIVIDUALLY CONTROLLABLE OUTPUT CHANNEL**
- **OPERATING LIFETIME: 50,000 HRS.**
- **PRODUCT GUARANTEE: 5 YEARS**

5 YEARS GUARANTEE

LIGHTING SOLUTIONS
Vossloh-Schwabe Deutschland GmbH · Stuttgarter Straße 61/1 · 73614 Schorndorf · Germany · Phone +49 7181/8002-0 · Fax +49 7181/8002-122 · www.vossloh-schwabe.com

Blu2Light DigiLED CC 48V 1CH

Technical data:

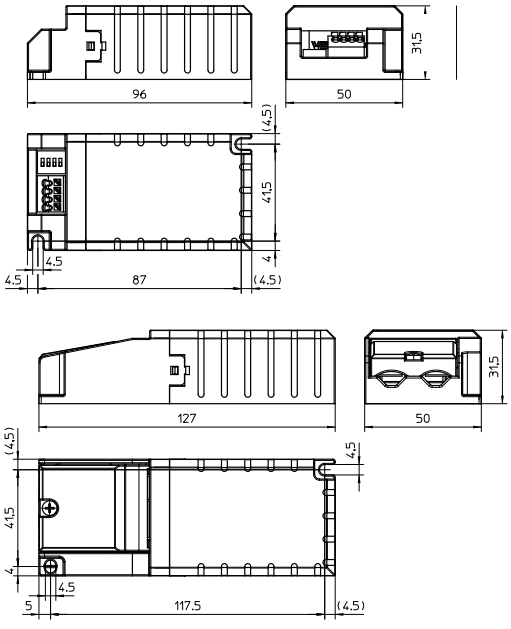
- 1 channel constant current driver with Bluetooth® wireless technology for LED applications
- For luminaire installation and independent mounting with cord grip
- Mounting: M3 screws

Ref. No.: 187340, 187401

Type **Ref. No.**	**DigiLED CC 48 V 1CH** **187340, 187401**
Communication	Blu2Light Mesh Network
Frequency range	2402-2480 MHz
HF output power	< 10 mW EIRP
Power consumption standby/operation	0.15 W / max. 38 W
Input voltage range	12–55 V DC (abs. max. 55 V)
Ambient temperature t_a	0–45 °C
IP protection	IP20
Protection class	II
Dimensions without / with cord grip (LxWxH)	96 x 50 x 31.5 mm / 127x50x31.5 mm
Casing	plastic, white
Weight	75 g
Plug-in terminal for conductor cross-section	Input 0.5–1.5 mm² / Output: 0.5–1.5 mm²

Operational channels	**1 channel**
Voltage	12...48 V
Max. load	0.7 A
Min. dimming level (Amplitude)	10 %

Dimensions:



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.

50 000 hours Min. Service Lifetime

Guarantee 5 years

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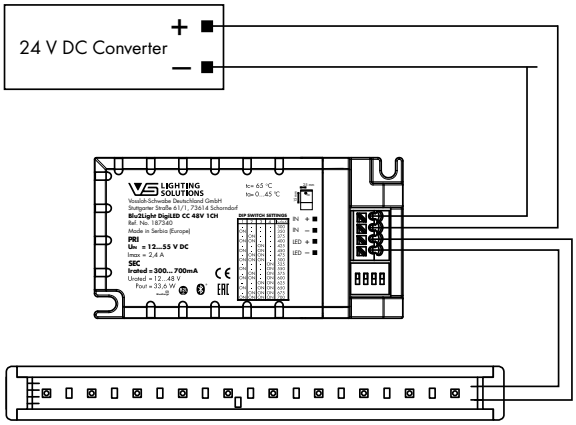
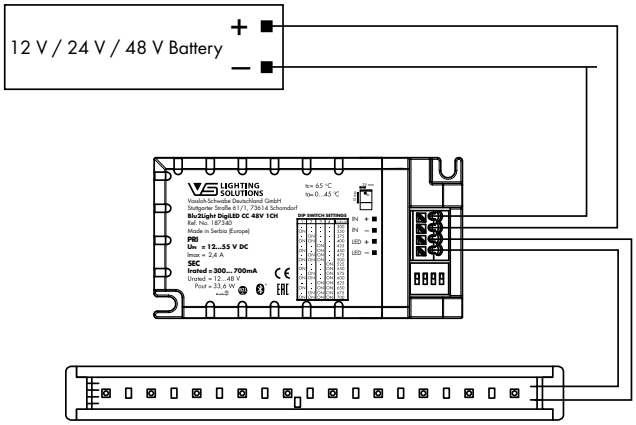
Connection examples:





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Blu2Light DigiLED CC 48 V 1CH

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 CC 48 V 1CH with two screws.
Connect a power supply between 12 and 55 VDC on the input side.
The maximum allowed cable length between power supply and Blu2Light DigiLED CC 48 V 1CH is 1.5 m.
On the output side, connect the negative pole and the positive pole of the LED module. When connecting the power supply and the LED module, ensure correct polarity, otherwise the device and/or the LED module may be destroyed!

Power supply

This product does not contain its own power supply and must be supplied with 12–55 V constant voltage. Please refer to our system overview for suitable VS power supplies and corresponding drivers.

Installation instructions

Conductor cross-section input side: 0.5–1.5mm² for rigid or flexible conductors
Conductor cross section output side: 0.5–1.5mm²
The device works most efficiently when the input voltage corresponds to the average voltage of the connected LED module. An input voltage of 12V, an output voltage of 48V and the maximum current result in an extremely unfavorable operating condition. The losses are highest here.
The input current is limited to 2.1A. In this case, the connected module is to be supplied with max. 500mA.

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. 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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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.

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
Stuttgarter Straße 61/1
D-73614 Schorndorf

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