



eBLUE 0-10V / DALI Installation Guide



www.elt.es

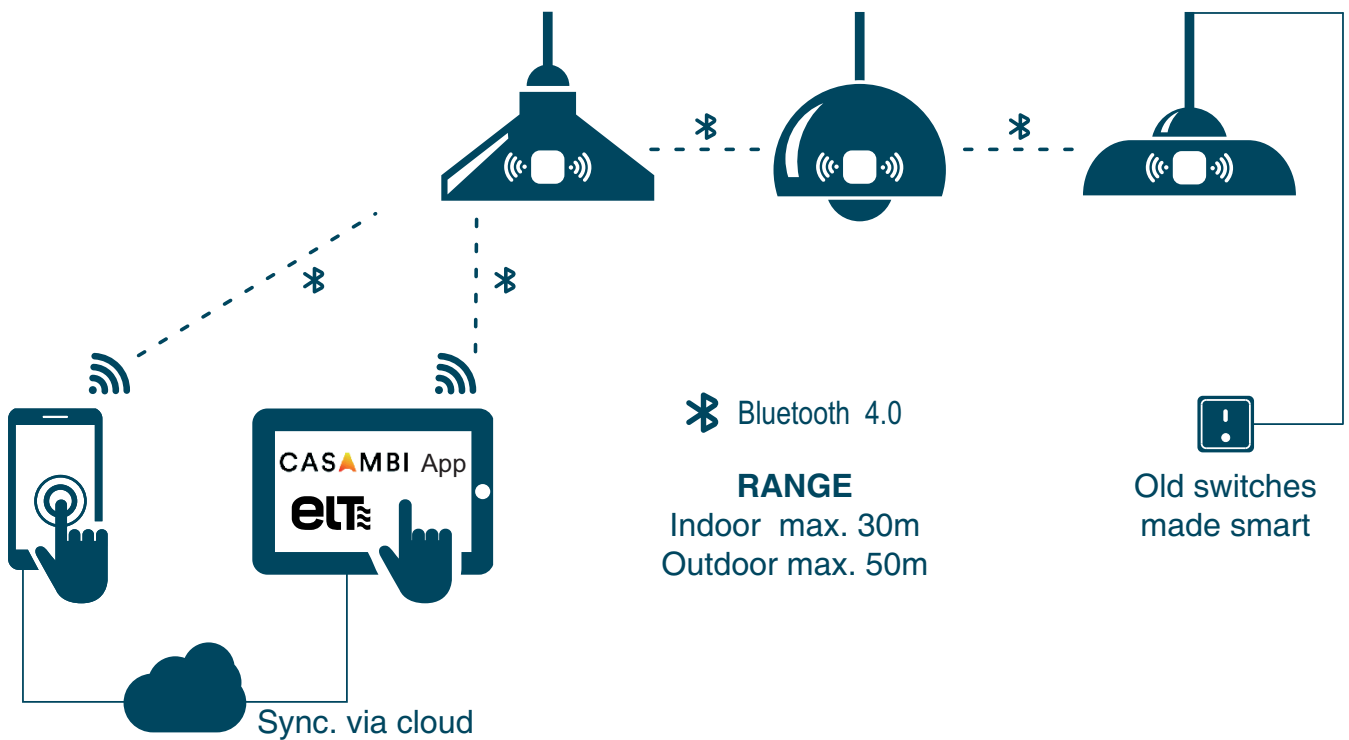
The information in this document is subject to change without notice and should not be construed as a commitment by ELT.

Please, check www.elt.es for the most updated information.

ELT assumes no responsibility for any errors that may appear in this document. In no event shall ELT be liable for incidental or consequential damages arising from use of this document or the software and hardware described in this document.



Smart wireless technology for your luminaires



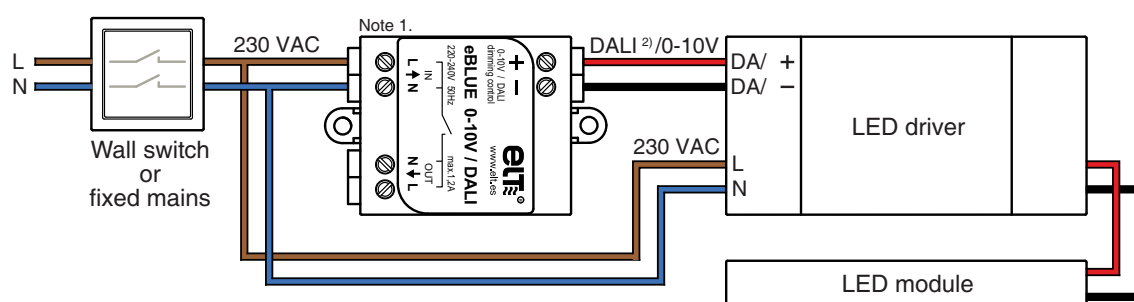
Download the free app and take control of your light



Directly powered (recommended for DALI or 0-10V control gears)

↻ 0,4 Nm □ 0,75-1,5 mm²

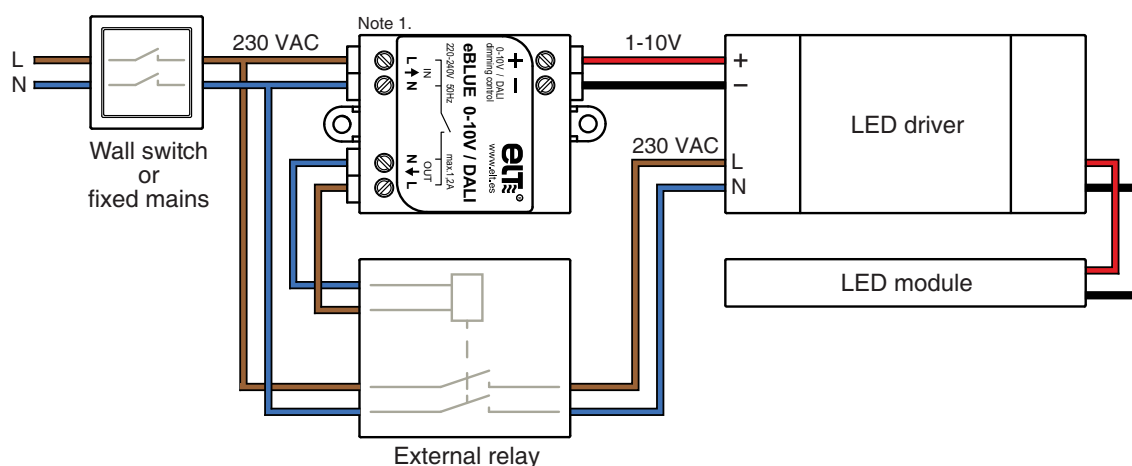
Suitable for drivers that can be switched off via control interface



Powered through external relay (recommended for 1-10V control gears)

↻ 0,4 Nm □ 0,75-1,5 mm²

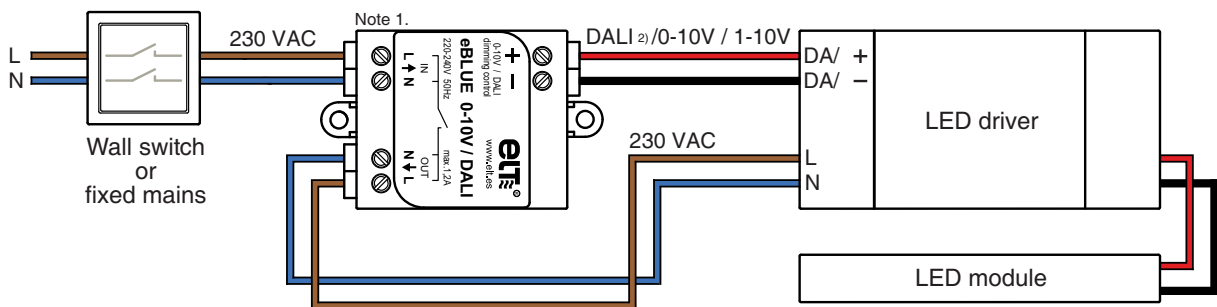
Suitable for drivers that cannot be switched off via control interface



Powered through eBLUE mains output

🔄 0,4 Nm □ 0,75-1,5 mm²

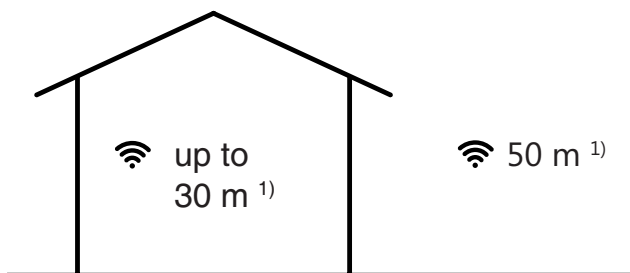
Suitable for drivers that cannot be switched off via control interface.
(Max. power: 100W)



Warning!
Warning! Risk of fire. See full datasheet on using eBLUE mains output (inrush current, output and ambient temperature limits)

- Note 1. eBLUE 0-10V / DALI is a built-in class II device. Use double insulated wires or an external mounting box if the device is not mounted inside another insulated device.
- Note 2. eBLUE 0-10V / DALI and its DALI interface do not meet the requirements of IEC 60929. Connect only directly to a DALI controllable LED driver.
Not to be connected to an existing DALI network. Connect only one LED driver (DALI or 0/1-10V driver) to one eBLUE 0-10V / DALI.

Range



eBLUE uses mesh network technology, i.e. each eBLUE 0-10V / DALI acts also as a repeater. Much longer ranges can be achieved by using multiple eBLUES 0-10V / DALI.



Casambi app available on:
 Download on the App Store
 ANDROID APP ON Google play

Compatible devices:

iPhone 4S or later
iPad 3 or later
iPod Touch 5th gen or later

Android 4.4 KitKat or later devices
produced after 2013 with full BT 4.0 support

Note 1. Range is highly depended on the surrounding and obstacles, such as walls and building materials.

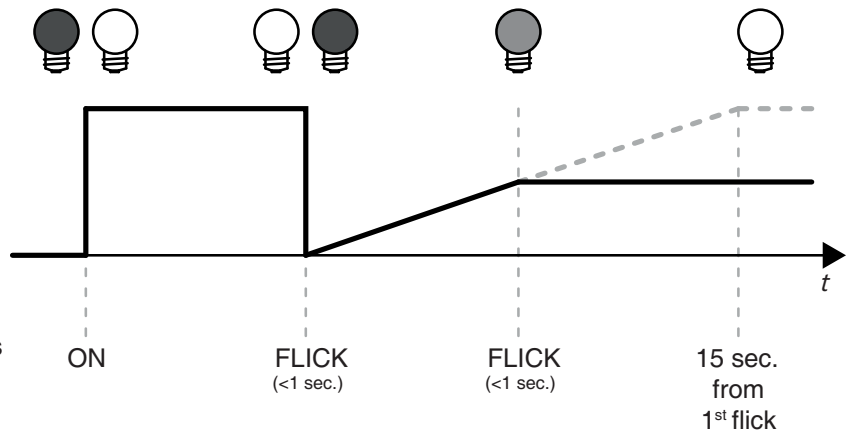
Dimming without app

1. Turn lights on from wall switch.

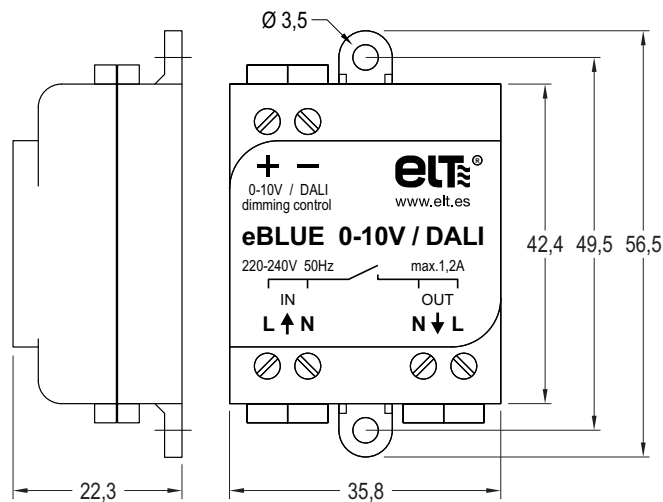
2. Make a flick by quickly turning wall switch off and on (max. 1sec.). The light level starts to increase gradually.

3. Make another flick at desired dim level. The selected level is saved automatically.

4. If the second flick is not done in 15 sec. the light intensity reaches its maximum level.



Dimensions



Technical Data

| Mains Input | |
|------------------------------|---|
| Voltage range | 220-240 VAC |
| Frequency | 50 Hz |
| Max. mains current | 1,2 A |
| Mains Output | |
| Output relay | SSR on phase line |
| Voltage range | 220-240 VAC |
| Frequency | 50 Hz |
| 0-10 V Output | |
| Voltage range | 0-10 VDC |
| Max. sink/source current | 7 mA |
| DALI Output | |
| Bus voltage | 12 VDC |
| Shortcut current | 7 mA |
| Radio Transceiver | |
| Operating frequencies | 2,4...2,483 GHz |
| Maximum output power | +4 dBm |
| Operating Conditions | |
| Ambient temperature, t_a | -20...+70 °C |
| Max. case temperature, t_c | +70 °C |
| Storage temperature | -25...+75 °C |
| Max. relative humidity | 0...80%, non-cond. |
| Connectors | |
| Wire range | 0,75-1,5 mm ² Solid wire: 14-22 AWG Stranded wire: 14-22 AWG |
| Wire strip length | 6-7 mm |
| Tightening torque | 0,4 Nm/4 Kgf.cm/2,6 Lb-In |
| Mechanical Data | |
| Dimensions | 56,5 x 35,8 x 22,3 mm |
| Weight | 48 g |
| Degree of protection | IP20 |
| Protection Class | Built-in Class II |

Especialidades Luminotécnicas, S.A.U.
Pol. Ind. Malpica - calle E nº 11 - E-50016 Zaragoza (Spain)
Tel: + 34 976 573 660 - Fax: + 34 976 574 960
E-mail: elt@elt.es

www.elt.es
www.elt-blog.com