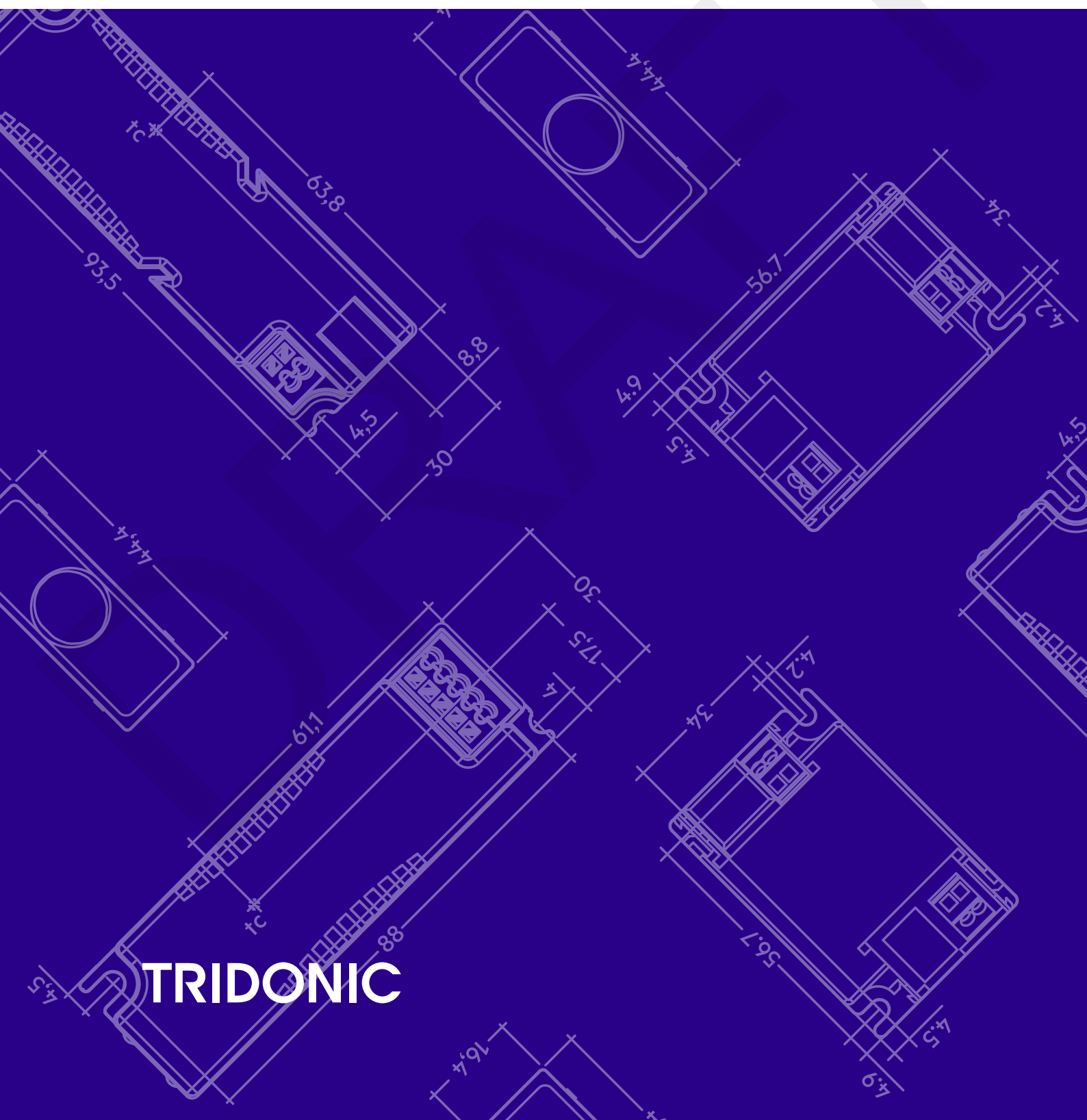


LED solutions

**net4more**

# Technical Design-In Guide

net4more.comMODULE un:c-Thread



# Setup of a wireless luminaire

## 5. Setup and wiring of a net4more luminaire

### 5.1. Setup of a wireless luminaire

This chapter describes different wiring variants of a net4more wireless luminaire.

#### **⚠ CAUTION!**

- \_ For a failure-free function, the cables of the un:c bus should be routed separately from mains cables and LED connection cables.
- \_ The max. permissible cable length of the un:c bus must not be exceeded (see [un:c bus](#), S. 8).
- \_ Always observe the installation guidelines for the communication module!

#### 5.1.1. Setup of a standard luminaire

##### 5.1.1.1. Required components

The following components are required for a standard luminaire without a sensor:

| Quantity | Image                                                                               | Function + Description                  |
|----------|-------------------------------------------------------------------------------------|-----------------------------------------|
| 1        |  | net4more LED Driver with un:c interface |
| 1        |  | net4more comMODULE THREAD               |
| var.     |  | un:c connection cable                   |
| var.     |  | LED and mains cable                     |

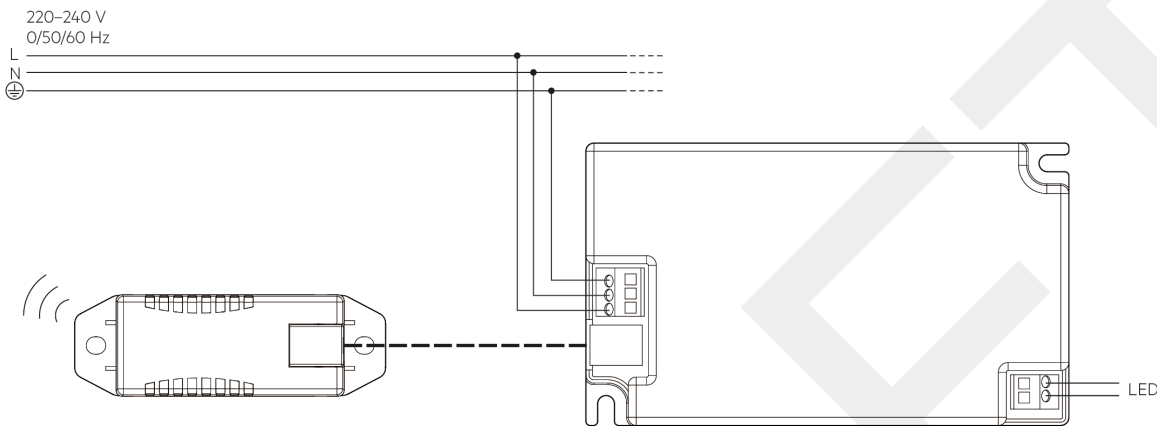
##### 5.1.1.2. Wiring

The LED Driver is connected to the communication module via un:c connection cable.  
For mains supply the mains wires are connected to the LED Driver.

# Setup of a wireless luminaire

**NOTICE**

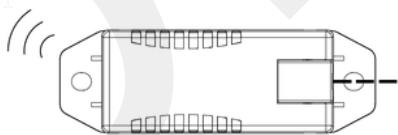
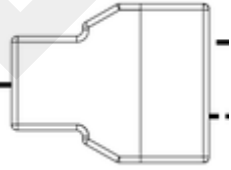
The mains supply of the un:c bus comes from LED Driver. A separate mains supply is not needed.



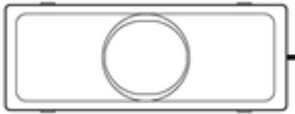
## 5.1.2. Setup of a luminaire with sensor

### 5.1.2.1. Required components

The following components are required for a luminaire with sensor:

| Quantity | Image                                                                               | Function + Description                  |
|----------|-------------------------------------------------------------------------------------|-----------------------------------------|
| 1        |  | net4more LED Driver with un:c interface |
| 1        |  | net4more comMODULE THREAD               |
| 1        |  | un:c splitter                           |

## Setup of a wireless luminaire

|      |                                                                                   |                       |
|------|-----------------------------------------------------------------------------------|-----------------------|
| 1    |  | net4more sensor       |
| 3    |  | un:c connection cable |
| var. |  | LED and mains cable   |

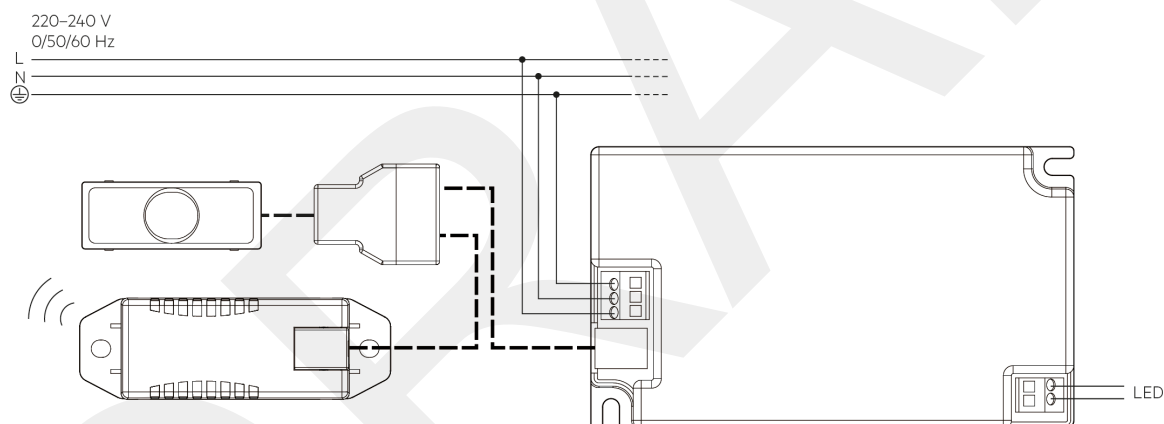
### 5.1.2.2. Wiring with sensor

If additional components are required in the luminaire (e.g. sensors), they are integrated via the un:c bus (the connection between the communication module and the LED Driver).

The components are connected via three un:c connecting cables plus a splitter.

#### **i** NOTICE

Please note the maximum number of components and the total cable length of the un:c bus (see the technical data in chapter [un:c bus](#), S. 8).



## **Federal Communication Commission Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

### **FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.