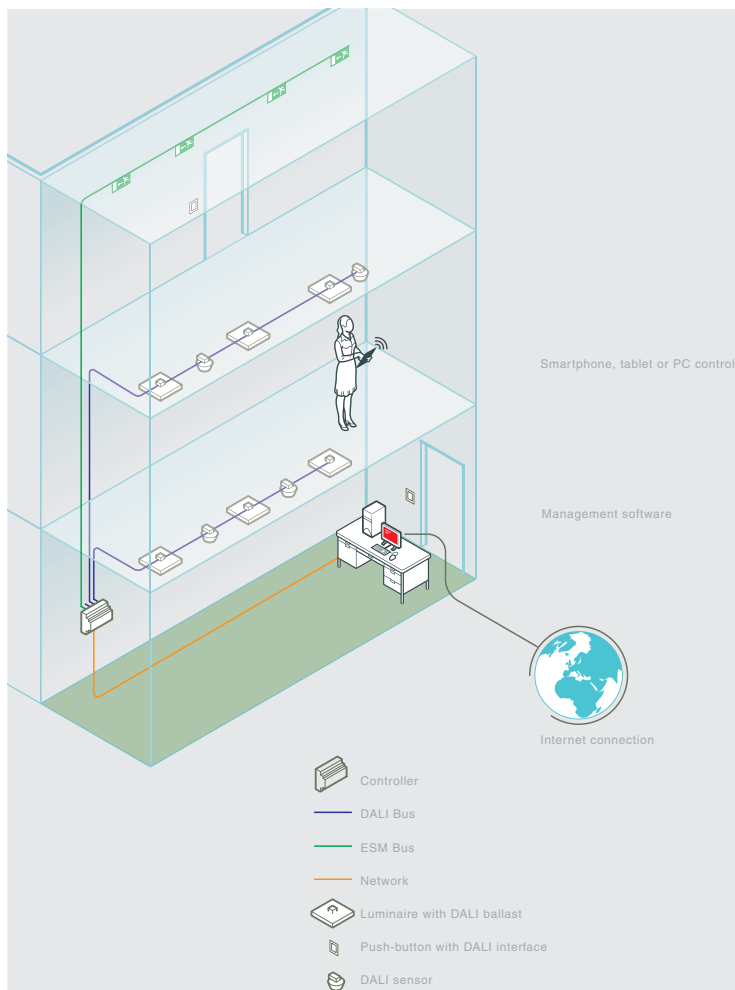


EXCELLUM2 INPUT COMPONENTS

Excellum2 is an advanced lighting control system developed for a maximum return of your lighting installation. Excellum2 can also be used for the central management of your emergency lighting. Excellum2 gives your lighting installation and your building a considerable added value because it is based on three principles:

- Simplicity: both installation, use and management are easy.
- Maximum energy savings: light is switched on only when necessary and dims when possible.
- Maximum flexibility: the light levels can be adapted to suit your preferences and the situation in the building.



The Excellum2 input components are essential parts of your lighting system and chiefly comprise movement detectors and push-buttons.

Movement detectors are crucial to save large amounts of energy. Where possible (and allowed) the lighting is automatically switched off if nobody is present. On average this alone already results in energy savings of 25 to 30%. In addition, these movement detectors usually also have a light sensor which means the same component can also automatically save energy by dimming the lighting based on incoming daylight. ETAP selected the most suitable movement detectors that can be directly connected to DALI (see DALI sensors on the back).

Push-buttons provide flexibility and comfort. They allow users to change the lighting manually. This is often necessary in meeting rooms (scenarios for, e.g., a presentation) and in enclosed office spaces. Although with Excellum2 this is also possible with smartphones, tablets, touch screens or any other computer (with access to the system) push-buttons are still handy.

The use of push-buttons requires two components; the push-button panel and the DALI push-button module that can be mounted behind the push-button panel (in the wall).

Push-button panels (colour, shape, brand, ...) can be customised. The intelligence is actually in the DALI push-button module, which translates long and short key touches on the panel into DALI signals. How the lighting has to react to these signals is determined in the Excellum2 software. A deliberate choice, because the function of a push-button can be easily changed on your computer without anyone having to do anything to the push button or the module itself.

Other types of input signals are also possible of course. Your ETAP consultant will help you to find the best solution.

The Excellum2 input components comprise all the sensors, push-buttons (and other actors) that send actions (movement, pressing a button) to the system. The system processes these actions and reacts immediately by dimming and/or switching the lighting (linked to the action).

The input components are all over the building and are connected to the different DALI-buses.

EXCELLUM2 INPUT COMPONENTS

DALI Sensors (C4R02, C4R03, C4R04 and C4R05)

The DALI Sensors are components that detect movement and measure light and send this information via the DALI-bus to the Excellum2 controller. The controller dims or switches the lighting.

The sensors are available in different versions, suitable for integration in the lighting (C4R04), recessed (C4R05) and surface-mounted (C4R03) on the ceiling and wall mounting (C4R02).

Movement detection is based on PIR. The detection range and sensitivity (size of the required movement) depend strongly on the height of the sensor. The lower the higher the range, the higher the lower the sensitivity.

Height	2.0m	2.3m	2.5m	2.7m	3.0m	3.5 m	4.0m
Range (Ø)	3.2m	3.7m	4.0m	4.4m	4.9m	5.7m	6.5m

The light measurement is in a 60° angle. To make sure the desired light level is retained at the workplace (depending on the daylight), the sensor must be correctly positioned. For instance, it may not face outside.

Push-button panels (C4RP2 and C4RP4)

Although you can choose which push-button panel you use in your building, ETAP offers you the possibility to order a push-button panel with the other system components. Our push-button panels are customised for your Excellum2 system. The push-button panel is available with 2 push-buttons and 4 push-buttons; labels can be added to the buttons.

DALI push-button module (C4N50)

The push-button module is a compact DALI component to which the push-button panel can be connected (one wire per push button). Because of its very compact size (48x28x15mm) it can be easily mounted behind the push-button panel itself (in the wall). The module itself is directly connected to the DALI-bus (2-wire).

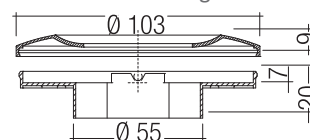
The different push-button functions are configured in the Excellum2 software.

Other components

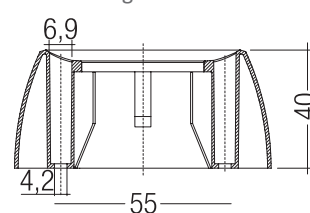
Although most applications can be done with the aforementioned components you may want to use a different component. It is best to get in touch with your ETAP consultant for this. .

Size:

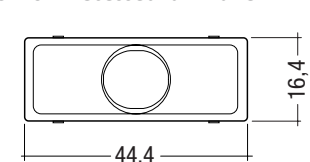
C4R02: Wall mounting



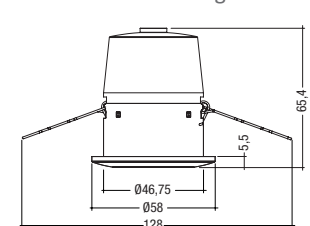
C4R03: Ceiling-mounted



C4R04: Recessed luminaire



C4R05: Recessed ceiling mounting



Technical properties:

DALI Sensors

- Power supply: via DALI
- Protection: IP20
- Consumption: 6mA of DALI

DALI push-button module

- Power supply: via DALI
- Protection: IP20
- Consumption: 6mA of DALI

UK

ETAP NV

Progress Business Centre – 7 Whittle Park Way

Slough – Berkshire – SL1 6DQ

Tel. +44 (0)1628559650 – Fax +44 (0)1628559012

e-mail: enquiries@etaplighting.com – www.etaplighting.com

ETAP EXPORT DEPARTMENT

Antwerpsesteenweg 130

B-2390 Malle – BELGIUM

Tel. +32 (0)3 310 02 11 – Fax +32 (0)3 311 61 42

export@etaplighting.com