To clarify the needs of your project, consult them with us at tech.support@halla.cz.

Setting and control of luminaires by mobile devices, control by buttons and wall controls.

If you have three-core distribution systems and it is not possible to increase their number, then it is possible to use a wireless-free luminaire control solution. The standard nowadays is a Bluetooth signal, which is supported by all smart devices. They are known as Casambi, but there are other protocols, such as DALIeco from company Osram.

Luminaire functions

DALI with integrated Bluetooth modules and Bluetooth sensors (without smart device control)

- DALI-2 mode only (except ballasts),
- the unit controls one line with up to 64 ballasts,
- possibility of connection to up to 4 button panels,
- responds to daylight, movement and presence,
- button panels and sensors do not reduce the number of ballasts,
- compact unit size,
- easy system setup via smart device, control is already autonomous or via push-button panels.

With integrated Bluetooth unit and smart device control

- Presence / motion detection (PIR)
- Maintaining a constant light level
- Time schedules incl. Human Centric Lighting (e.g. automatic change of warm / cold colour of light and its intensity during the day)
- No need for Wi-fi network, routers or gateway, only Bluetooth connection
- System settings can be password protected and shared via email
- Defining your own luminaire groups without having to change the cabling
- Creating your own visualizations of the system – e.g. by integrating your own photographs of spaces
- The update takes place over-the-air (OTA) and you only need to update one of the elements and the others will take over and expand it
- Bluetooth uses the Mesh network, where individual devices connect between the closest ones regardless of their profile (function), so that in the event of a failure of one of them, the system does not parallelize, but the "*connection*" changes.