

PRACHT®
PRO LINE

XLS C

CONNECTED BY CASAMBI®



SPECTRAL LIGHTING

SENSORS

CONNECTIVITY

PRACHT®

EXTENDED LIGHTING SOLUTIONS XLS C

Light has a much bigger job - it's not only to be switched on or off and making a room light or dark. Lighting is able to interact with its surrounding through controlling, sensors and spectras. It can significantly affect the environment and, above all, may have a very positive influence on it. XLS stands for EXTENDED LIGHTING SOLUTIONS and connects the fields of SL SPECTRAL LIGHTING, S SENSORS and C CONNECTIVITY.

The PRACHT product strategy is outstandingly reflected by the XLS System: external influences from various areas such as IoT (Internet of Things), HCL (Human Centric Lighting) or LMS (Light Management Systems) are picked up in a way that physical and virtual objects are connected and operated together and supported by information and communication technologies.

LOW POWER CONSUMPTION
MESH-NETWORK EXTERNALLY CONTROLLABLE
BLUETOOTH LOW ENERGY
OPTIONAL FIXED FREQUENCY **LOW LATENCY**
LARGE RANGE SELF HEALING SYSTEM
FREQUENCY HOPPING IN THE 2,4 GHZ RANGE

CASAMBI

LIGHT CONTROL VIA BLUETOOTH



Casambi is an intelligent light control technology based on Bluetooth Low Energy.

The meshed network technique with up to 127 connected nodes provides a powerful and individual scalable lighting control system. The administration takes place via smartphone app and can also be used externally addressed and operated via remote access.

**ADMINISTRATION
VIA
SMARTPHONE APP**



ACCESSORIES

Description	P/N
XLS CC BOX The BOX opens the door to the world of PRACHT XLS CASAMBI for analogue components with relay output. Connected with a 0,5 mm ² - 2,5 mm ² line connection, it provides integration into wireless Casambi mesh networks.	9800001
XLS CC SWITCH The SWITCH is an extension of a traditional wall switch. The switch is integrated into the flush-mounted box and wired in series. Predefined scenes can now be activated or deactivated via ON/OFF. The app is only necessary for the first programming.	9800002
XLS CC CONTROLLER The CONTROLLER is a wireless pushbutton user interface that can be freely configured with the Casambi app. The controller with its four definable keys enables to operate pre-configured scenes, animations, individual luminaires, luminaire groups or everything simultaneously. It also has four predefined keys for dimming and changing light colors. The app is only required for initial programming.	9800003
XLS CCS ASYM The daylight and motion sensor (infrared) with IP66 protection is designed for use in corridors and driveways. It has a maximum installation height of 12 meters and it can detect movements of up to 3/5 meters in diameter. In the app the daylight sensor can be combined with the luminaire control.	9800004
XLS CCS HRO The daylight and motion sensor (infrared) with IP66 protection is designed for use in high-bay warehouses. Its maximum installation height is 20 meters and can detect up to 5 meters movements in diameter. In the app the daylight sensor can be combined with the luminaire control.	9800005
XLS CCS HALL The daylight and motion sensor (infrared) with IP66 protection is designed for use in halls, especially in areas where large open spaces have to be monitored. Its maximum installation height is 14 meters and it detects movements in up to 28 metres in diameter. In the app the daylight sensor can be combined with the luminaire control.	9800006
XLS CCS HF (High-Frequency) The motion sensor with IP65 protection is designed for use in production halls and especially suited for areas with detection obstacles. Its maximum installation height is 12 meters and it can detect movements of up to 6 meters in diameter.	9800007



XLS CC BOX



XLS CC SWITCH



XLS CC CONTROLLER



XLS CCS ASYM



XLS CCS HRO



XLS CCS HALL

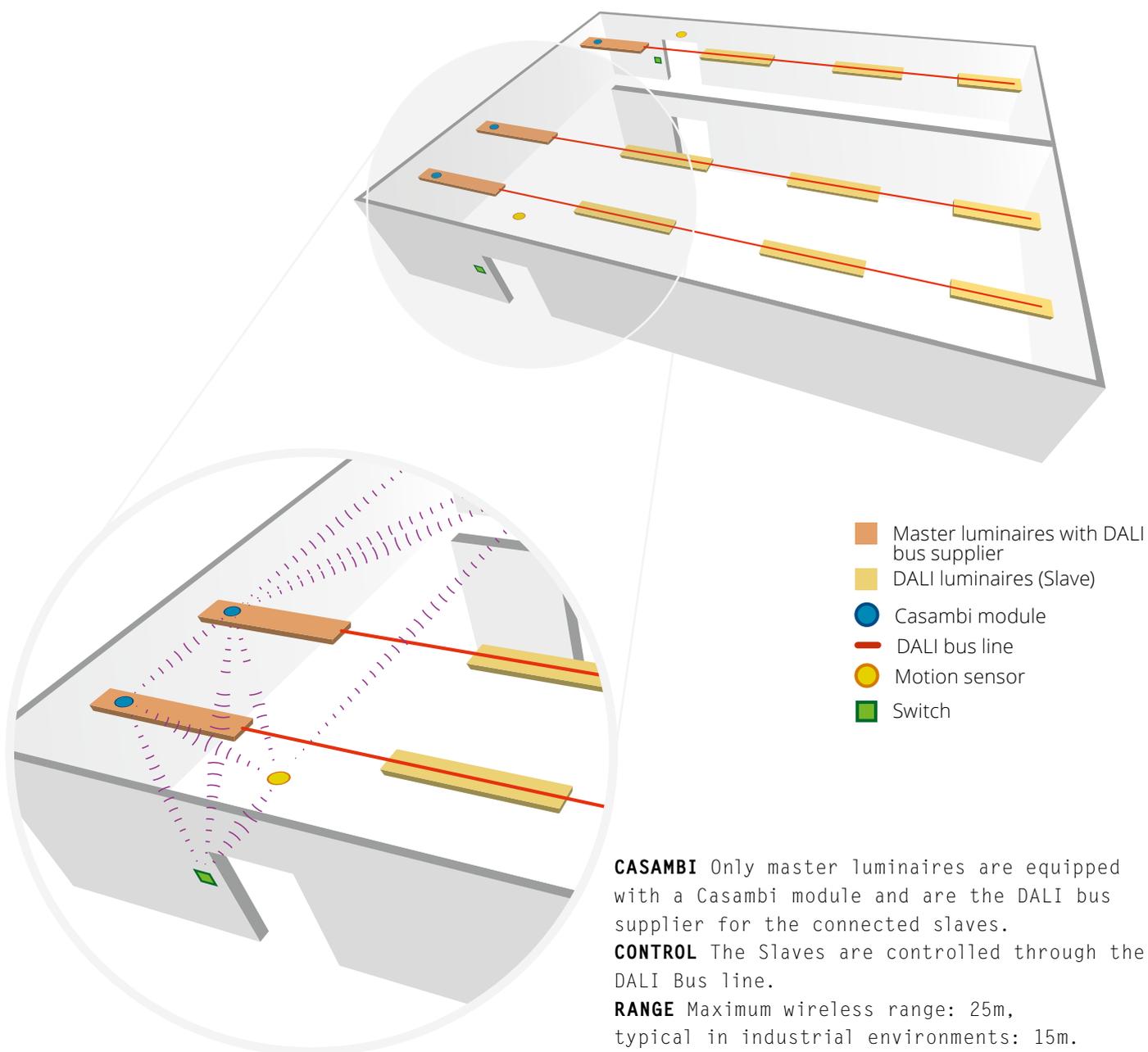


XLS CCS HF

EXAMPLE MASTER SLAVE

Communication is the key to success. Here, only DALI Master luminaires are equipped with Casambi modules. This allows a wireless communication of the individual sensors and switches with the respective Master luminaire in a meshed network. Subsequently, the Master luminaires pass on the DALI signal to

the connected luminaires. This guarantees the rapid illumination of the entire area without the need to wire a central lighting control in an 1 to n relationship. Uncomplicated, cost-efficient and always accessible via app.



CASAMBI Only master luminaires are equipped with a Casambi module and are the DALI bus supplier for the connected slaves.

CONTROL The Slaves are controlled through the DALI Bus line.

RANGE Maximum wireless range: 25m, typical in industrial environments: 15m.

NUMBER SLAVES KATLA, TUBIS, QUADRONIUS, APOLLO single lamp: up to 20 Slaves; APOLLO, QUADRONIUS twin lamp: up to 10 Slaves.

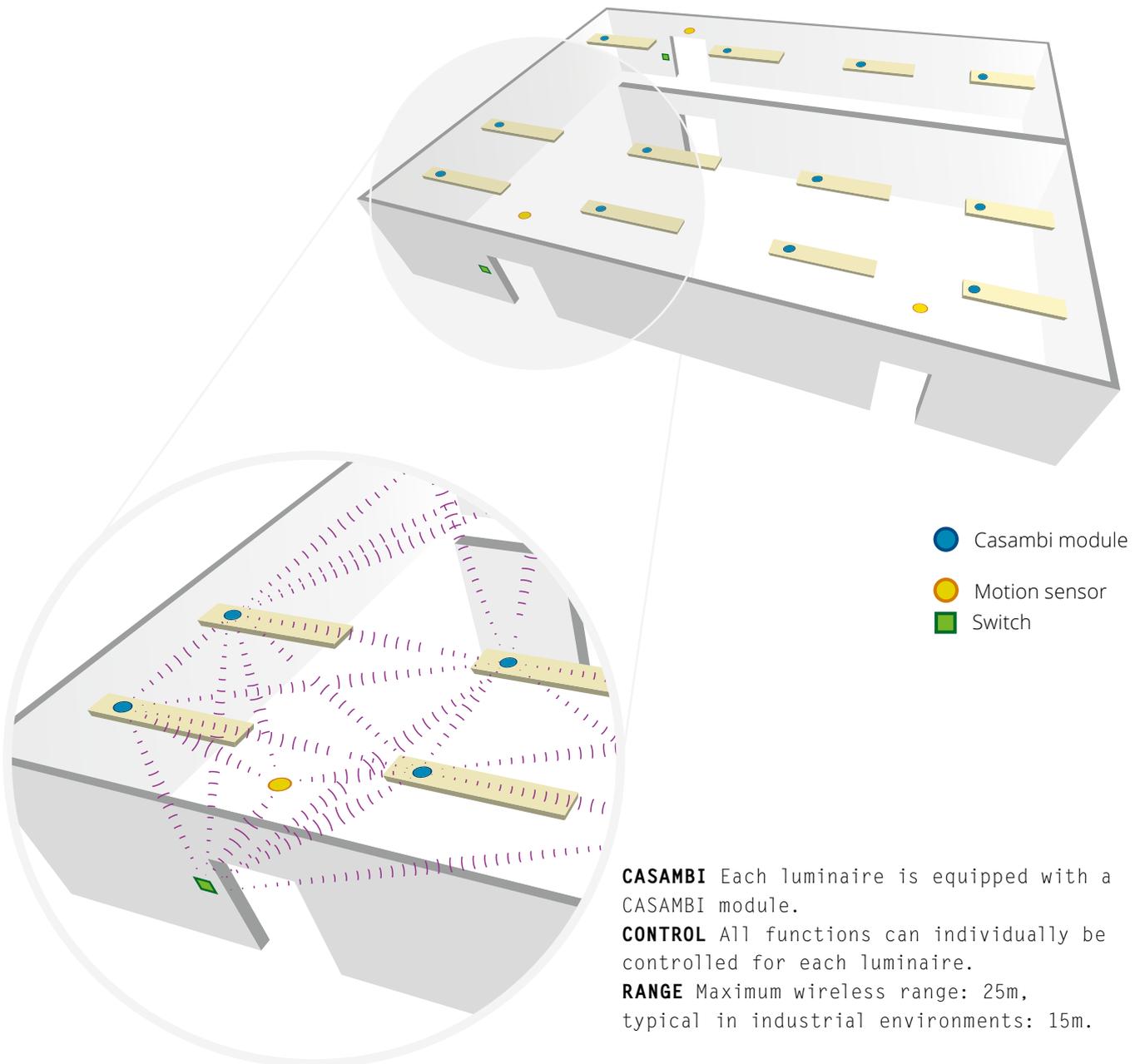
EXAMPLE

FULL MESHED VERSION

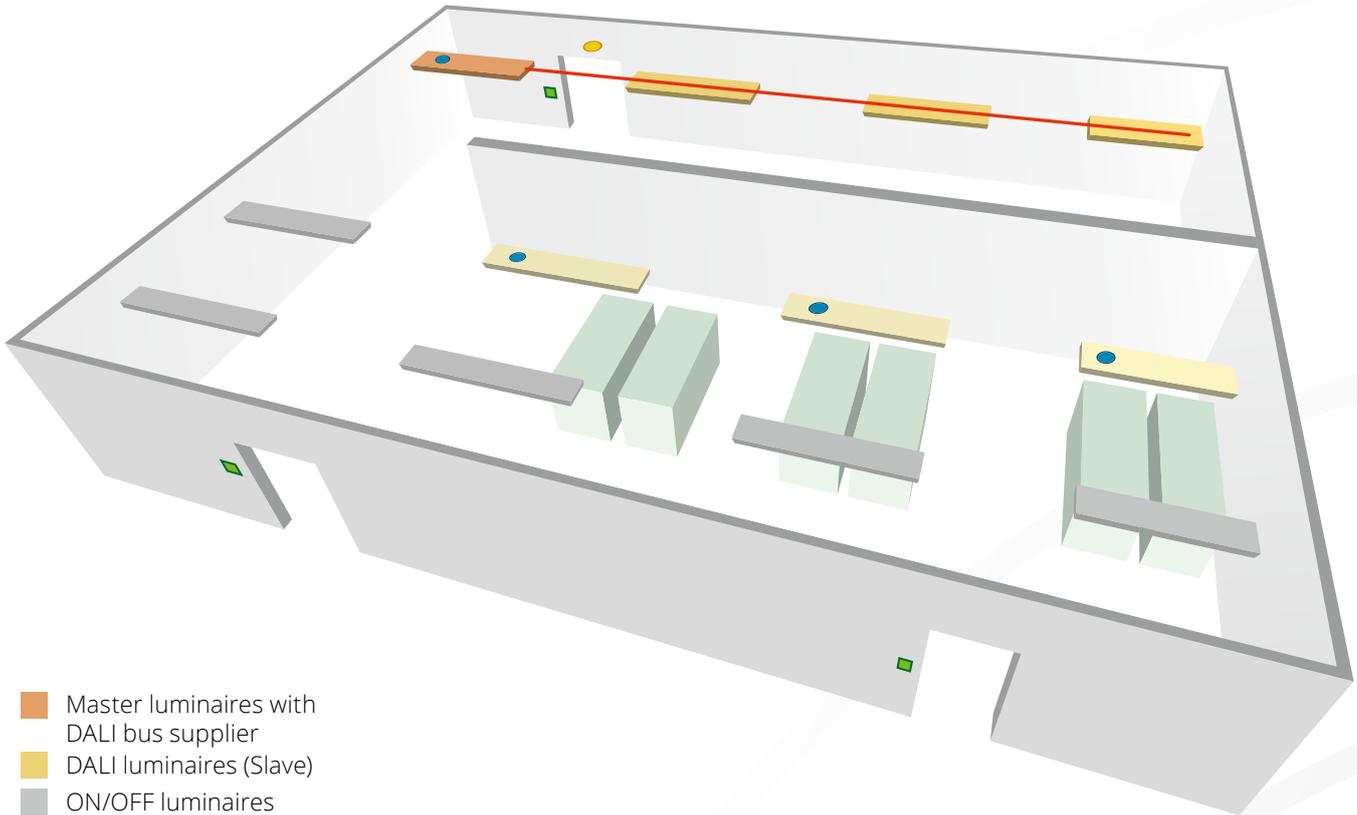
Every luminaire, every accessory, every sensor - Full communication in a large, very detailed meshed network.

The network information and functionality is stated in the network itself and not in any dedicated local control system.

- No single point of failure
- Less installation effort
- Everything wirelessly controllable via app
- No through-wiring required, simple power connection (3x1,5mm²) is enough!
- perfect solution for existing installations



EXAMPLE
**INFINITE POSSIBILITIES
 OF COMBINATIONS**



- Master luminaires with DALI bus supplier
- DALI luminaires (Slave)
- ON/OFF luminaires
- Casambi module
- DALI bus line
- Motion sensor
- Switch

XLS can easily and modularly be combined. This is particularly recommended for delimited areas within a circuit. Combinations of Master Slaves, Nodes and simple on/off lamps are possible. In the **shelf storage** - the XLS C DM luminaire is activated by the sensor and controls the following DALI luminaires which are connected via through-wiring with incl. 2x1.5mm² DALI line. The **path** is permanently illuminated for security reasons by ON/OFF.

The **workplaces** are each equipped with XLS C luminaires and can be configured completely independently according to the individual requirements and needs of the workplace via smartphone. The system offers unlimited possibilities of expansion and combination with light sensors, motion detectors and various user interfaces.

PRACHT®

PRACHT XLS C CASAMBI LUMINAIRES

QUADRONIUS



KATLA LED



LUNA PRO



APOLLO



TUBIS



SURCHARGE on ON/OFF

Description

DALI

XLS C Luminaire - „Node Luminaire“ controlled per incl. Casambi module, simply add „x00“ to the regular product number.

XLS C DM Luminaire - DALI Master Luminaire - controllable per Casambi with add bus line for DALI slaves, add „x01“ to regular product number.

**„THERE WILL NEVER BE ANY COMPROMISE
IN THE QUALITY OF MY PRACT LUMINAIRES.“**

Alfred Pracht, founder, 1963