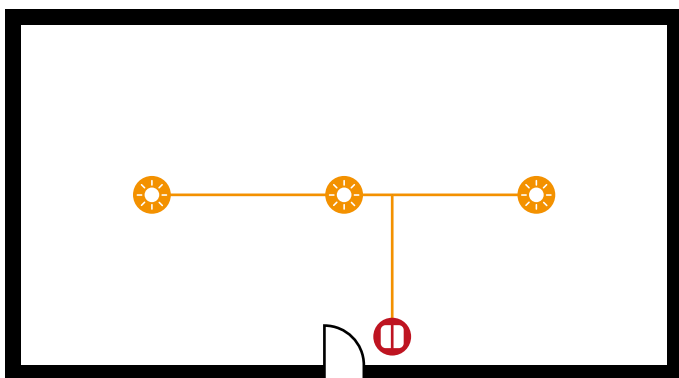


# Controller Comparison

| Controller                       | Push-Dim | Last Light Level Memory | Grouping | Scenes | Daylight Harvesting | Time Functions | Tunable White (DT8) | Dynamic Scenes Colour Gradients | Circadian CCT Curves |
|----------------------------------|----------|-------------------------|----------|--------|---------------------|----------------|---------------------|---------------------------------|----------------------|
| Basic Room Controller            | •        | •                       |          |        |                     |                | •                   |                                 |                      |
| Advanced DALI-2 Controller       | •        | •                       | •        | •      | •                   |                | •                   |                                 |                      |
| Professional Building Automation | •        | •                       | •        | •      | •                   | •              | •                   | •                               | •                    |
| Casambi                          | •        | •                       | •        | •      | •                   | •              | •                   | •                               | •                    |

## Basic Room Controller (p.973)



EN

### Applications:

Conference rooms  
Private living quarters  
Classrooms

### Features:

Operation via standard button and/or rotary dimmer  
Intuitive manual dimming, switching  
Colour temperature adjustment (DT8)  
Broadcast signals to all luminaires  
Basic plug-and-play functionality without start-up  
Integrated DALI power supply  
Lighting control with app via Bluetooth

DE

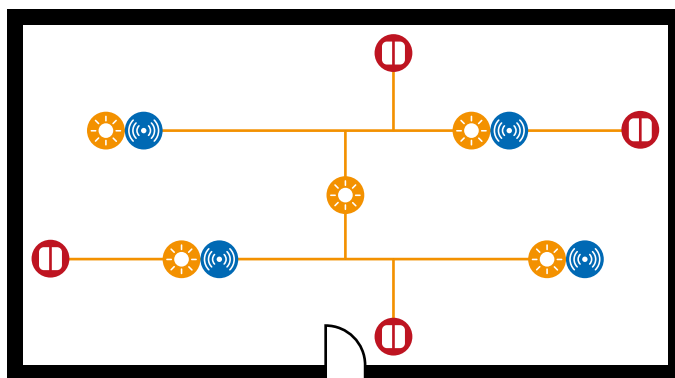
### Anwendungsgebiet:

Besprechungsräume  
Private Wohnbereiche  
Klassenzimmer

### Features:

Bedienung über Standardtaster bzw. Drehdimmer  
Intuitives manuelles Dimmen, Schalten  
Einstellen der Farbtemperatur (DT8)  
Broadcast Signale an alle Leuchten  
Plug and Play Basisfunktionen ohne Inbetriebnahme  
Integrierte DALI Spannungsversorgung  
Lichtsteuerung mit App über Bluetooth

## Advanced DALI-2 Controller (p.973)



EN

### Applications:

Offices  
Classrooms  
Shop lighting

### Features:

Operation via standard button  
Intuitive manual dimming, switching  
Create groups and scenes  
Colour temperature adjustment (DT8)  
Upgradeable with DALI-2 sensors  
Full-featured DALI-2 application controller  
Power supply via the DALI Bus  
4 independent potential-free inputs for standard buttons  
Start-up with app via Bluetooth

DE

### Anwendungsgebiet:

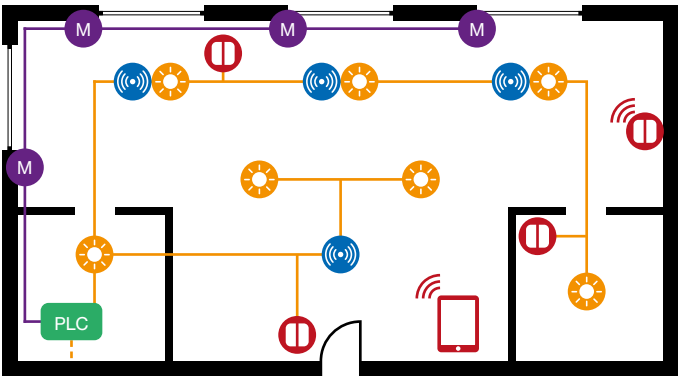
Büroräume  
Klassenzimmer  
Shopbeleuchtung

### Features:

Bedienung über Standardtaster  
Intuitives manuelles Dimmen, Schalten  
Erstellen von Gruppen und Szenen  
Einstellen der Farbtemperatur (DT8)  
Erweiterung um DALI-2 Sensoren möglich  
Vollwertiger DALI-2 Application Controller  
Spannungsversorgung über DALI Bus  
4 unabhängige Potentialfreie Eingänge für Standardtaster  
Inbetriebnahme mit App über Bluetooth

| Touchpanel<br>Tablet / Smartphone | Visualization | Plug and Play | BMS Connectivity<br>(KNX, Modbus, BACnet) | Ethernet | Cloud<br>Connectivity | Customizable<br>Programming | Extendable |
|-----------------------------------|---------------|---------------|-------------------------------------------|----------|-----------------------|-----------------------------|------------|
| .                                 |               | .             |                                           |          |                       |                             |            |
| .                                 | .             |               | .                                         | .        | .                     | .                           | .          |
| .                                 |               | .             |                                           |          | .                     |                             | .          |

Professional Building Automation (p. 977)



EN

Applications:

- Office buildings
- Public buildings
- Sports halls and schools
- Shop lighting

Features:

- Operation via standard button
- Intuitive manual dimming, switching
- Create groups and scenes
- Colour temperature adjustment (DT8)
- Upgradeable with DALI-2 sensors
- Full-featured DALI-2 application controller
- Up to 20 DALI-2 universes
- Connection to building management system
- Interfaces: KNX, Modbus, BACnet, and many more.
- User-specific visualizations
- Flexible upgradeability

DE

Anwendungsgebiet:

- Bürogebäude
- Öffentliche Gebäude
- Sporthallen & Schulen
- Shopbeleuchtung

Features:

- Bedienung über Standardtaster
- Intuitives manuelles Dimmen, Schalten
- Erstellen von Gruppen und Szenen
- Einstellen der Farbtemperatur (DT8)
- Erweiterung um DALI-2 Sensoren möglich
- Vollwertiger DALI-2 Application Controller
- Bis zu 20 DALI-2 Universen
- Anbindung an Gebäudeleittechnik
- Schnittstellen: KNX, Modbus, BACnet uvm.
- Benutzerspezifische Visualisierungen
- Flexibel Erweiterbar

Casambi (p. 979)



EN

Applications:

- Small offices
- Shop lighting
- Meeting rooms
- Private living quarters

Features:

- Operation via standard button
- Intuitive manual dimming, switching
- Create groups and scenes
- Colour temperature adjustment (DT8)
- Upgradeable with Casambi and DALI-2 Sensors
- Power supply integrated or via DALI bus
- Up to 128 nodes in one Network
- Start-up with app via Bluetooth, no gateway required

DE

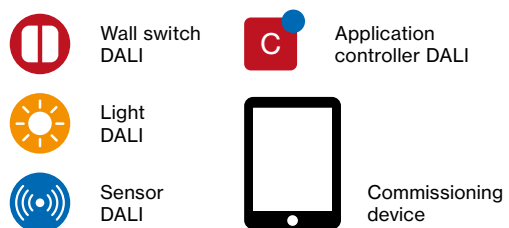
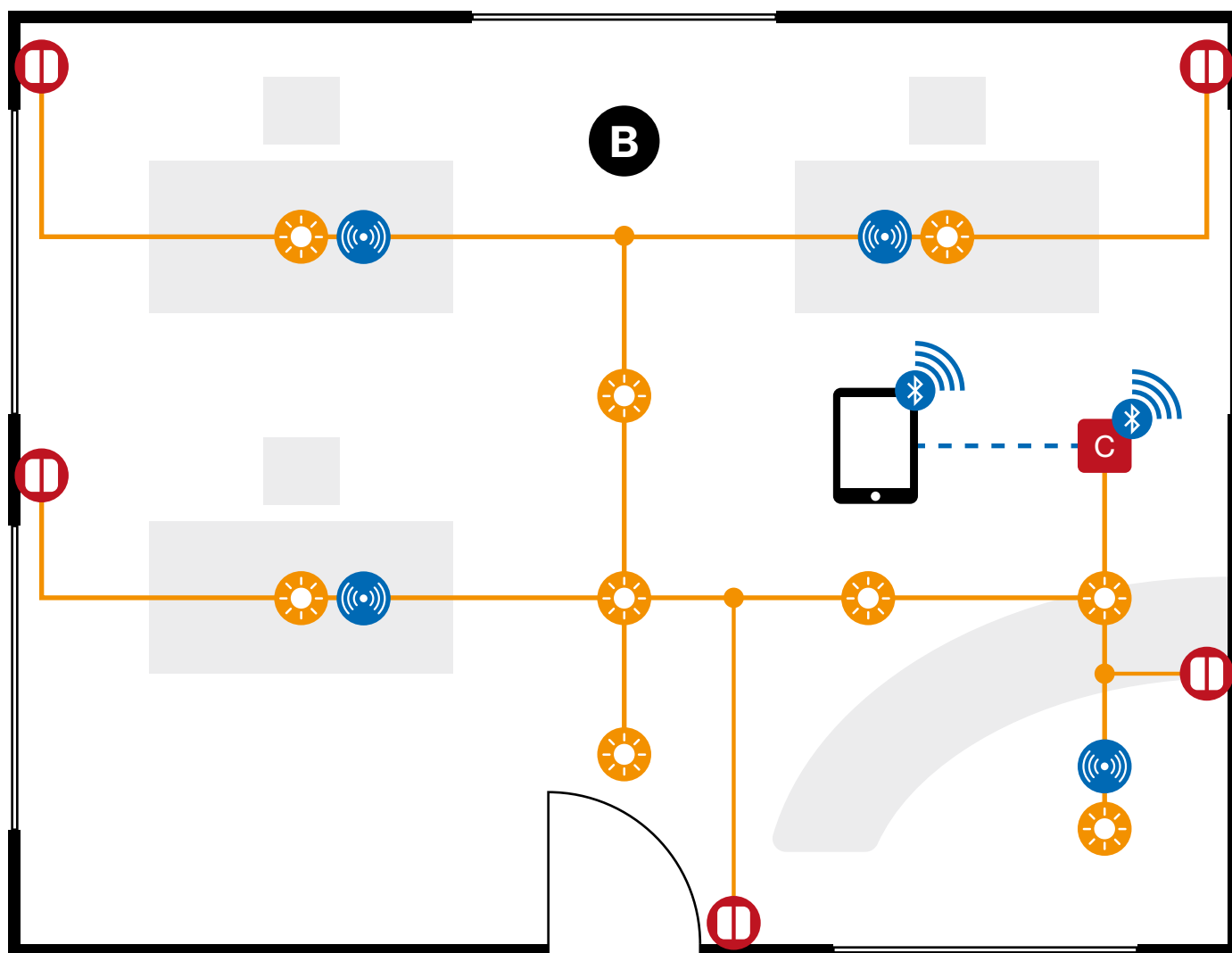
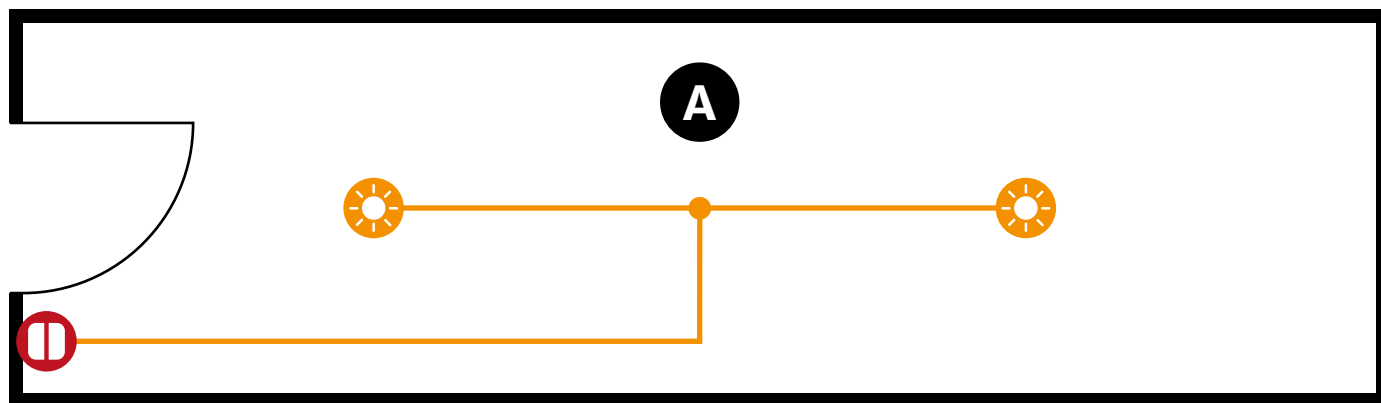
Anwendungsgebiet:

- Büroräume
- Shopbeleuchtung
- Besprechungsräume
- Private Wohnbereiche

Features:

- Bedienung über Standardtaster
- Intuitives manuelles Dimmen, Schalten
- Erstellen von Gruppen und Szenen
- Einstellen der Farbtemperatur (DT8)
- Erweiterung um Casambi und DALI-2 Sensoren
- Spannungsversorgung integriert oder über DALI Bus
- Bis zu 128 Knoten im selben Netzwerk
- Inbetriebnahme mit App über Bluetooth

## DALI-2 Connection Examples



## A

## Basic Room Controller

**EN** Push-button interface or rotary switch for intuitive, simple control of up to 32 DALI luminaires; automatic synchronisation between several control units; support of variable colour luminaires (DT8); storage of brightness values; plug and play – no need for set-up; additional functions available by set-up in smartphone App (BT): control by smartphone for grouping, scenes, colour temperature (DT8) and firmware update; DALI power supply integrated; daylight control, presence-dependent control and additional input push-button options using sensors, available separately; maximum push-button line length 50m; maximum DALI cable length 300m

**DE** Tasterinterface bzw. Drehschalter zur intuitiven, einfachen Steuerung von bis zu 32 DALI Leuchten; Automatische Synchronisation zwischen mehreren Steuereinheiten; Unterstützung von farbveränderlichen Leuchten (DT8); Speicherung von Helligkeitswerten; Plug and Play ohne Inbetriebnahme; Zusätzliche Funktionen durch Inbetriebnahme über Smartphone App (BT) verfügbar: Steuerung über Smartphone, Gruppierung, Szenen, Farbtemperatur (DT8), Firmwareaktualisierung; DALI Spannungsversorgung integriert; Tageslichtregelung, präsenzabhängige Steuerung und zusätzliche Tastereingänge mittels separat erhältlichen Sensoren möglich; maximale Tasterleitungslänge 50m; maximale DALI-Leitungslänge 300m

**DALIeco BT 220-240 V**

| TYPE                             | MOUNTING          | L-W-H (mm) | ORDER CODE            |
|----------------------------------|-------------------|------------|-----------------------|
| DALI DT8 BT Touch Dim Controller | ceiling insertion | 100-79-72  | 0 0 5 - 5 8 3 1 0 0 0 |

**DALI ACU BT 220-240 V**

| TYPE                             | MOUNTING | L-W-H (mm) | ORDER CODE            |
|----------------------------------|----------|------------|-----------------------|
| DALI DT8 BT Touch Dim Controller | socket   | 49-48-22   | 0 0 5 - 5 8 3 1 1 0 0 |

**DALI MCU TW G2 220-240 V**

| TYPE                           | MOUNTING | L-W-H (mm) | ORDER CODE            |
|--------------------------------|----------|------------|-----------------------|
| DALI DT8 Rotary Dim Controller | socket   | 71-71-50   | 0 0 5 - 5 8 3 1 3 0 0 |

## B

## Advanced DALI-2 Controller

**EN** DALI-2 application controller for controlling up to 64 DALI lights, 16 sensors and 16 push-button couplers in 16 groups and 16 scenes; 4 inputs for potential-free push-buttons; support of variable colour luminaires (DT8); storage of brightness values; power supply via DALI, DALI power supply available separately; start-up is performed by smartphone App; compact design for installation behind standard push-buttons; maximum push-button cable length 0.5m; compatible with all DALI-2 peripheral components

**DE** DALI-2 Application Controller zur Steuerung von bis zu 64 DALI Leuchten, 16 Sensoren und 16 Tasterkopplern in 16 Gruppen und 16 Szenen; 4 Eingänge für potenzialfreie Taster; Unterstützung von farbveränderlichen Leuchten (DT8); Speicherung von Helligkeitswerten; Stromversorgung über DALI, DALI Spannungsversorgung separat erhältlich; Inbetriebnahme erfolgt über Smartphone App; kompakte Bauform zum Verbau hinter Standardtastern; maximale Tasterleitungslänge 0,5m; mit allen DALI-2 Peripheriekomponenten kompatibel

**DALI sceneCOM S Controller 220-240 V**

| TYPE                     | MOUNTING | L-W-H (mm) | ORDER CODE            |
|--------------------------|----------|------------|-----------------------|
| DALI-2 DT8 BT Controller | socket   | 48-28-15   | 0 0 5 - 5 8 4 1 0 0 0 |

**DALIeco BT RTC 220-240 V**

| TYPE           | MOUNTING          | L-W-H (mm) | ORDER CODE            |
|----------------|-------------------|------------|-----------------------|
| DALIeco BT RTC | ceiling insertion | 100-79-72  | 0 0 5 - 5 8 4 1 1 0 0 |

# DALI-2 Sensors

**EN** Motion detection and ambient light level measurement; power supply via DALI line; easy and unobtrusive integration into the luminaire portfolio; requires a DALI-2 Application Controller for operation; available in ESSENTIAL (brightness, presence) and SENSE (brightness, presence, temperature, sound pressure, humidity, CO<sub>2</sub>) versions

Sensor according to DALI-2 specifications:

EN 62386-101 Ed.2 General requirements - System components

EN 62386-103 Ed.1 General requirements - Control devices

EN 62386-303 Occupancy Sensors

EN 62386-304 Light Sensors

**DE** Bewegungserfassung und Messung der Umgebungslichtstärke; Spannungsversorgung über DALI-Leitung; Einfache und unauffällige Integration in das Leuchtenportfolio; Benötigt einen DALI-2 Application Controller für den Betrieb; Verfügbar in ESSENTIAL (Helligkeit & Anwesenheit) und SENSE (Helligkeit, Anwesenheit, Temperatur, Lärmpegel, Luftfeuchtigkeit, CO<sub>2</sub>) Ausführung

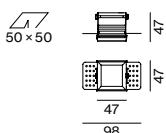
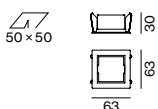
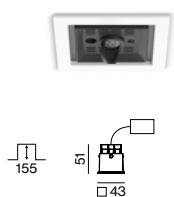
Sensor nach DALI-2 Spezifikationen:

EN 62386-101 Ed.2 General requirements – System components

EN 62386-103 Ed.1 General requirements – Control devices

EN 62386-303 Occupancy Sensors

EN 62386-304 Light Sensors



## UNICO Q1 sensor recessed



### SENSOR INSET

| TYPE                                                                                  | ORDER CODE  |
|---------------------------------------------------------------------------------------|-------------|
| ESSENTIAL (brightness & presence)                                                     | 090-7Q10000 |
| SENSE (brightness, presence, temperature, sound pressure, humidity, CO <sub>2</sub> ) | 090-7Q10010 |

## Mounting accessories

**MOUNTING SET TRIMLESS** for plasterboard ceilings 12.5/15/25 mm

| COLOUR  | ORDER CODE  |
|---------|-------------|
| ○ white | 090-7Q10100 |

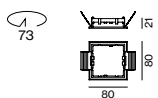
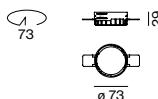
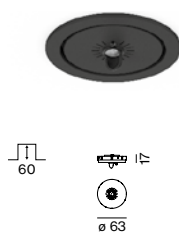
**MOUNTING SET WITH TRIM** for intermediate ceilings 2–25 mm

| COLOUR                   | ORDER CODE  |
|--------------------------|-------------|
| ○ traffic white RAL 9016 | 090-7Q1020W |
| ● jet black RAL 9005     | 090-7Q1020B |

## Order options

### INSET COLOUR

|                          |   |
|--------------------------|---|
| ○ traffic white RAL 9016 | 7 |
| ● jet black RAL 9005     | 1 |



## SASSO 60 sensor recessed



### SENSOR INSET

| TYPE                                                                                  | ORDER CODE |
|---------------------------------------------------------------------------------------|------------|
| ESSENTIAL (brightness & presence)                                                     | 048-269311 |
| SENSE (brightness, presence, temperature, sound pressure, humidity, CO <sub>2</sub> ) | 048-269312 |

## Mounting accessories

**MOUNTING SET TRIMLESS** for plasterboard ceilings 12.5/15/25 mm

| COLOUR  | ORDER CODE  |
|---------|-------------|
| ○ white | 048-2696117 |

**MOUNTING SET WITH TRIM** for intermediate ceilings 2–25 mm

| COLOUR                  | ORDER CODE  |
|-------------------------|-------------|
| ○ traffic white RAL9016 | 048-2696317 |
| ● jet black RAL 9005    | 048-2696318 |

# DALI-2 Peripheral components

**EN** DALI peripheral components can be combined universally with all supported controls; many other components available on request

**DE** DALI Peripheriekomponenten sind universell mit allen unterstützten Steuerungen kombinierbar; viele weitere Komponenten auf Anfrage verfügbar

## RELAYS

| TYPE                       | MOUNTING | L-W-H (mm) | ORDER CODE            |
|----------------------------|----------|------------|-----------------------|
| DALI DT7 Relais<br>1CH 4A  | socket   | 41-30-11   | 0 0 5 - 5 8 2 5 0 0 0 |
| DALI DT7 Relais<br>4CH 10A | DIN rail | 59-105-90  | 0 0 5 - 5 8 2 5 1 0 0 |

## SWITCH COUPLER

| TYPE                         | MOUNTING | L-W-H (mm) | ORDER CODE            |
|------------------------------|----------|------------|-----------------------|
| DALI Switch Interface<br>4CH | socket   | 48-28-15   | 0 0 5 - 5 8 2 1 0 0 0 |

## PHASE DIMMER

| TYPE                           | MOUNTING             | L-W-H (mm) | ORDER CODE            |
|--------------------------------|----------------------|------------|-----------------------|
| DALI DT4 Phase<br>Dimmer 300W  | ceiling<br>insertion | 102-51-30  | 0 0 5 - 5 8 2 2 0 0 0 |
| DALI DT4 Phase<br>Dimmer 1000W | DIN rail             | 58-70-90   | 0 0 5 - 5 8 2 2 1 0 0 |

## LED-BAND CONTROLLER

| TYPE                                  | MOUNTING             | L-W-H (mm) | ORDER CODE            |
|---------------------------------------|----------------------|------------|-----------------------|
| DALI DT6 Dimmer<br>1CH 8A 12-48V      | ceiling<br>insertion | 120-30-22  | 0 0 5 - 5 8 2 3 0 0 0 |
| DALI DT8 Dimmer<br>2CH TW 16A 12-48V  | ceiling<br>insertion | 120-30-22  | 0 0 5 - 5 8 2 3 1 0 0 |
| DALI DT8 Dimmer<br>3CH RGB 16A 12-48V | ceiling<br>insertion | 120-30-22  | 0 0 5 - 5 8 2 3 2 0 0 |
| DALI DT8 Dimmer 4CH<br>RGBW 8A 12-48V | ceiling<br>insertion | 120-30-22  | 0 0 5 - 5 8 2 3 3 0 0 |

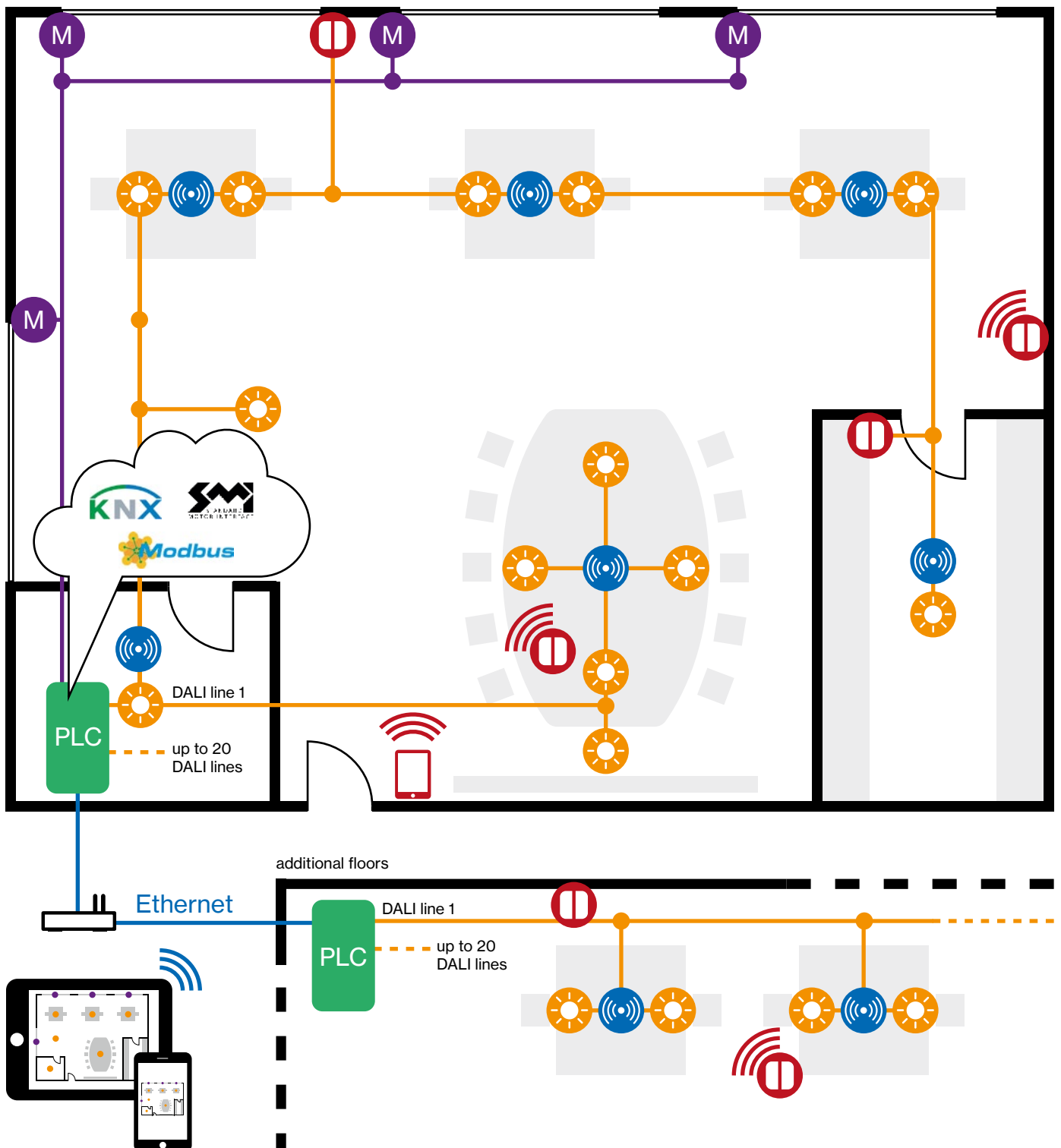
## SENSORS

| TYPE                                   | MOUNTING             | L-W-H (mm) | ORDER CODE            |
|----------------------------------------|----------------------|------------|-----------------------|
| DALI-2 Multisensor<br>5DPI (Hmax 5m)   | ceiling<br>insertion | ø58-65     | 0 0 5 - 5 8 2 6 0 0 0 |
| DALI-2 Multisensor<br>10DPI (Hmax 10m) | ceiling<br>insertion | ø96-37     | 0 0 5 - 5 8 2 6 1 0 0 |

## POWER SUPPLY

| TYPE                       | MOUNTING             | L-W-H (mm) | ORDER CODE            |
|----------------------------|----------------------|------------|-----------------------|
| DALI Power Supply<br>200mA | ceiling<br>insertion | 102-51-30  | 0 0 2 - 5 9 8 8 0     |
| DALI Power Supply<br>240mA | DIN rail             | 57-36-90   | 0 0 2 - 5 9 8 7 1     |
| DALI Power Supply<br>70mA  | socket               | 58-30-15   | 0 0 5 - 5 8 2 4 2 0 0 |

## Connection Example



# Professional Building Automation

**EN** DALI-2 control support, with industrial computer, for up to 10x64 DALI luminaires; flexible expansion options with various interfaces (KNX, Modbus, energy monitoring, digital I/Os); multiple controllers can be linked via network, therefore unlimited system size; support for variable colour luminaires (DT8); groups and scenes across the DALI universe; up to 12 adjustable daylight routines (colour temperature and brightness in % or in Lux with sensor); out-of-the box set-up of the standard application via web interface; detailed user manual; cascading from several controllers via Ethernet possible; Human Centric Lighting (HCL); real time clock via time server; automation functions; reporting; firmware updates regularly available; option for visualisation and expansion up to 20 DALI-2 universes when commissioned by XAL; can be standalone or integrated into IT infrastructure; 24 V controller power supply through external power supply; 18 V DALI-2 interface power supply through external power supply (maximum 5 DALI interfaces per power supply); flexible expansion and free programming options on customer request

**DE** Industriecomputer gestützte DALI-2 Steuerung von bis zu 10x64 DALI Leuchten; flexibel mit diversen Schnittstellen erweiterbar (KNX, Modbus, Energy Monitoring, digitale Ein- /Ausgänge); mehrere Controller über Netzwerk verknüpfbar daher unbegrenzte Systemgröße; Unterstützung von farbveränderlichen Leuchten (DT8); DALI Universum übergreifende Gruppen und Szenen; bis zu 12 einstellbare Tageslichtverläufe (Farbtemperatur und Helligkeit in % oder in Lux mit Sensor); Inbetriebnahme der Standardapplikation out-of-the-box über Webinterface; ausführliches Benutzerhandbuch; Kaskadierung über Ethernet von mehreren Controllern möglich; Human Centric Lighting (HCL); Echtzeituhr über Timeserver; Automatisierungsfunktionen; Berichterstattung; Firmwareupdates regelmäßig verfügbar; Visualisierungen und Erweiterung auf bis zu 20 DALI-2 Universen bei Inbetriebnahme durch XAL möglich; Standalone oder Einbindung in IT Infrastruktur möglich; Controller Spannungsversorgung 24V durch externes Netzteil; DALI-2 Interface Spannungsversorgung 18V durch externes Netzteil (max 5 DALI Interfaces pro Netzteil); flexible Erweiterungen und freie Programmierung auf Kundenwunsch möglich



## INTERFACES

| TYPE                         | MOUNTING | L-W-H (mm) | ORDER CODE            |
|------------------------------|----------|------------|-----------------------|
| DALI-2 Interface             | DIN rail | 100-12-69  | 0 0 5 - 5 8 1 1 1 0 0 |
| KNX Interface                | DIN rail | 100-12-69  | 0 0 5 - 5 8 1 1 2 0 0 |
| Digital Output Interface 8CH | DIN rail | 100-12-69  | 0 0 5 - 5 8 1 1 3 0 0 |
| Digital Input Interface 8CH  | DIN rail | 100-12-69  | 0 0 5 - 5 8 1 1 4 0 0 |

## ENERGY MONITORING

| TYPE                           | MOUNTING | L-W-H (mm) | ORDER CODE            |
|--------------------------------|----------|------------|-----------------------|
| Power Measurement Interface 3- | DIN rail | 100-12-69  | 0 0 5 - 5 8 1 2 0 0 0 |
| Current Converter 35A          | cable    | 23-27-46   | 0 0 5 - 5 8 1 2 1 0 0 |
| Current Converter 60A          | cable    | 52-60-81   | 0 0 5 - 5 8 1 2 2 0 0 |

## POWER SUPPLY

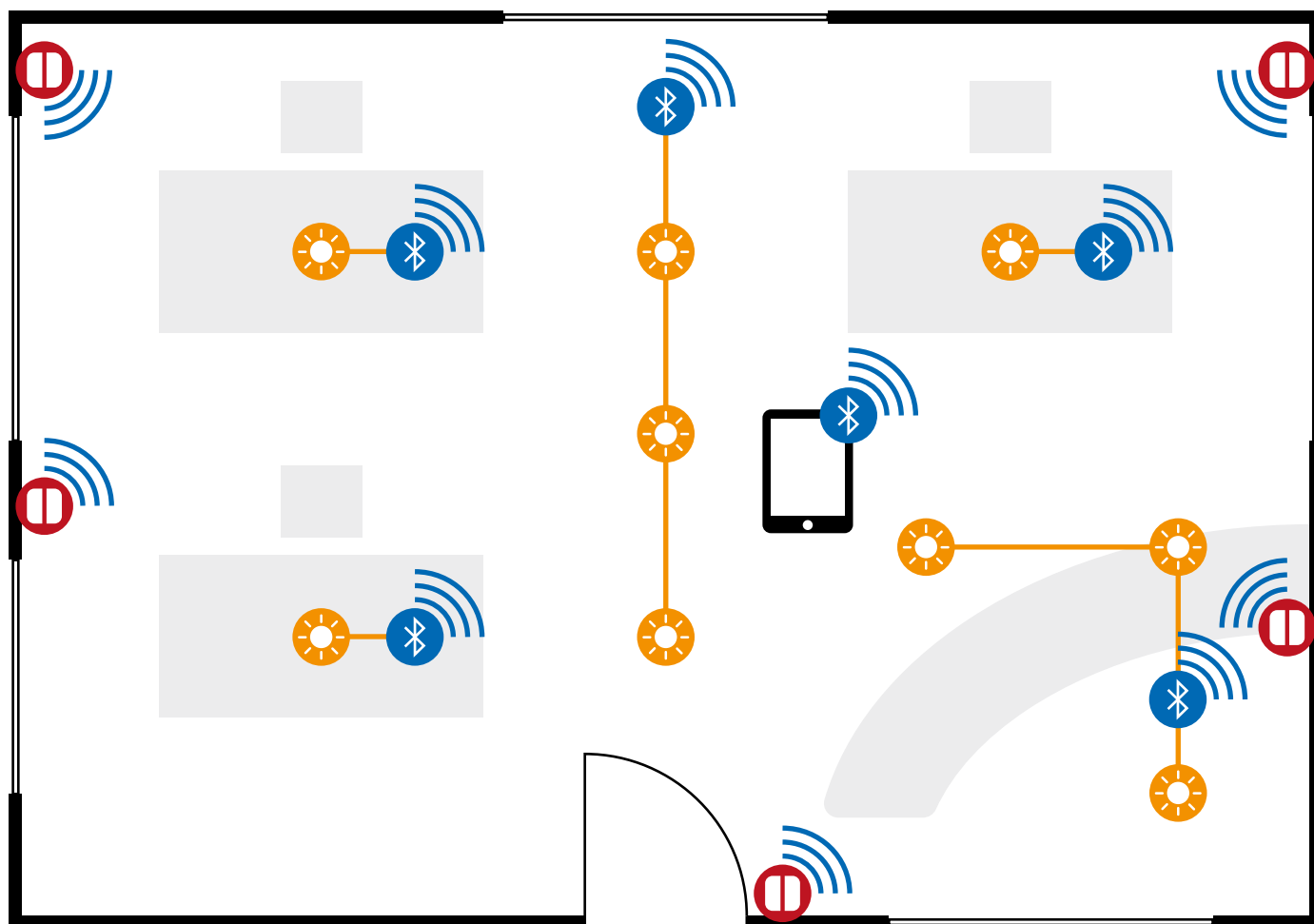
| TYPE                                       | MOUNTING | L-W-H (mm) | ORDER CODE            |
|--------------------------------------------|----------|------------|-----------------------|
| PS 24V 1,3A (for Controller)               | DIN rail | 59-54-89   | 0 0 5 - 5 8 1 4 0 0 0 |
| PS 18V 1,1A (for up to 5xDALI-2 Interface) | DIN rail | 59-54-89   | 0 0 5 - 5 8 1 4 1 0 0 |

## RELAYS

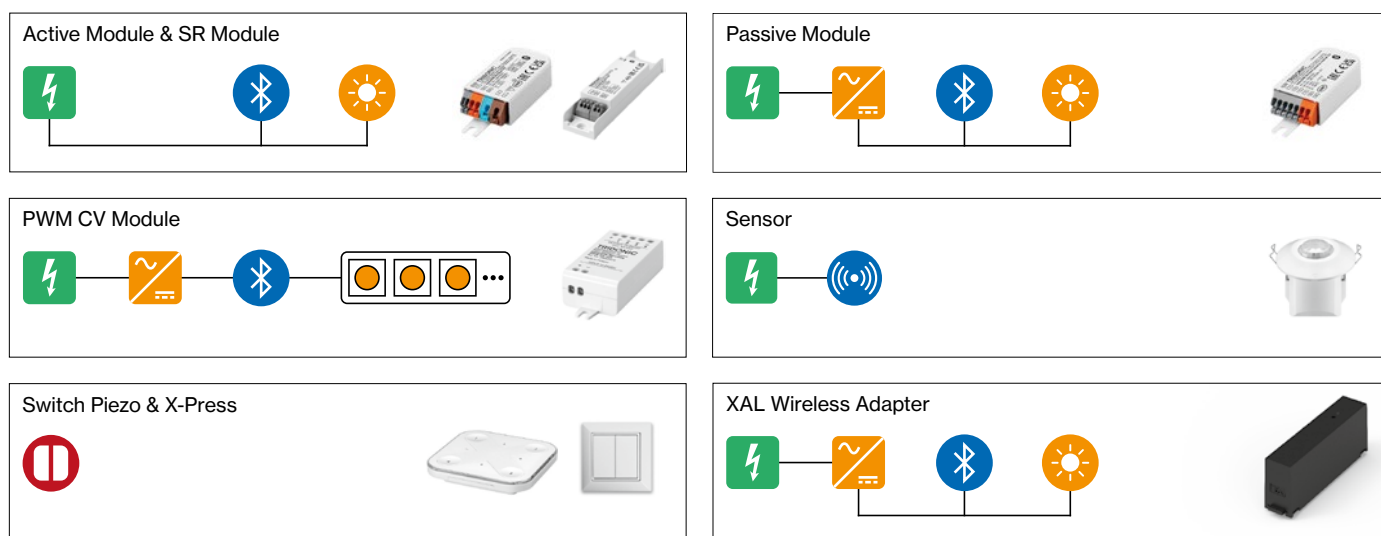
| TYPE                            | MOUNTING | L-W-H (mm) | ORDER CODE            |
|---------------------------------|----------|------------|-----------------------|
| BlindRelay 16A (30A/4s)         | DIN rail | 86-15-54   | 0 0 5 - 5 8 1 5 0 0 0 |
| Luminaire Relay 16A (120A/50ms) | DIN rail | 86-15-54   | 0 0 5 - 5 8 1 5 1 0 0 |



## Connection Example



## Configuration



# Casambi

**EN** Bluetooth-based mesh network for control of DALI luminaires and LED strips; network size up to 128 nodes; support of colour-changing luminaires (DT8); adjustable daylight gradients and Human-Centric Lighting (HCL) respectively; launch and control via smartphone or tablet via Bluetooth; time functions via integrated clock; system expansion possible via DALI-2 push-button modules and sensors; over-the-air firmware update; power supply either integrated or via DALI bus, depending on module; compatible with all DALI-2 peripherals

**DE** Bluetooth basiertes Mesh-Netzwerk zur Steuerung von DALI Leuchten und LED Bändern; Netzwerkgröße bis 128 Knoten; Unterstützung von farbveränderlichen Leuchten (DT8); Einstellbare Tageslichtverläufe bzw. Human Centric Lighting (HCL); Inbetriebnahme und Steuerung mittels Smartphone oder Tablet über Bluetooth; Zeitfunktionen durch Uhrzeitabnahme vom Smart Device; Systemerweiterung über DALI-2 Tastermodule und Sensoren möglich; Over-the-Air Firmwareupdate; Spannungsversorgung je nach Modul entweder integriert oder über DALI Bus; mit allen DALI-2 Peripheriekomponenten kompatibel



## ACTIVE MODULE 220-240 V

| TYPE                | OUTPUT             | L-W-H (mm) | ORDER CODE            |
|---------------------|--------------------|------------|-----------------------|
| DALI Single Control | Broadcast Commands | 81-30-16   | 0 0 5 - 5 8 6 1 0 0 0 |

max. 5 DALI-2 nodes



## SR MODULE 220-240 V

| TYPE                   | OUTPUT             | L-W-H (mm) | ORDER CODE            |
|------------------------|--------------------|------------|-----------------------|
| DALI Broadcast Control | Broadcast Commands | 119-30-21  | 0 0 5 - 5 8 6 2 0 0 0 |

max. 25 DALI-2 nodes / max. 4 DALI-2 groups



## PASSIVE MODULE DALI-2

| TYPE                                    | OUTPUT                     | L-W-H (mm) | ORDER CODE            |
|-----------------------------------------|----------------------------|------------|-----------------------|
| DALI Group Control without Power Supply | Group / Broadcast Commands | 81-30-16   | 0 0 5 - 5 8 6 3 0 0 0 |

max. 4 DALI-2 groups



## 4CH PWM CV MODULE 12-24VDC

| TYPE                 | OUTPUT      | L-W-H (mm) | ORDER CODE            |
|----------------------|-------------|------------|-----------------------|
| LED Strip Controller | PWM Voltage | 73-30-18   | 0 0 5 - 5 8 6 4 0 0 0 |

max. 144 W



## SENSOR 220-240 V

| TYPE                     | OUTPUT         | L-W-H (mm) | ORDER CODE            |
|--------------------------|----------------|------------|-----------------------|
| Occupancy / Light Sensor | Casambi Signal | 85-85-74   | 0 0 5 - 5 8 6 5 0 0 0 |



## SWITCH PIEZO Batteryless

| TYPE      | OUTPUT  | L-W-H (mm) | ORDER CODE            |
|-----------|---------|------------|-----------------------|
| 2CH white | Casambi | 81-81-14   | 0 0 5 - 5 8 6 7 0 0 7 |
| 4CH white | Casambi | 81-81-14   | 0 0 5 - 5 8 6 7 0 0 8 |



## SWITCH X-PRESS CR2430 Battery

| TYPE      | OUTPUT  | L-W-H (mm) | ORDER CODE            |
|-----------|---------|------------|-----------------------|
| 4CH white | Casambi | 90-90-12   | 0 0 5 - 5 8 6 6 2 0 0 |
| 4CH black | Casambi | 90-90-12   | 0 0 5 - 5 8 6 6 4 0 0 |



## WIRELESS TO DALI-2 CONTROL DEVICE

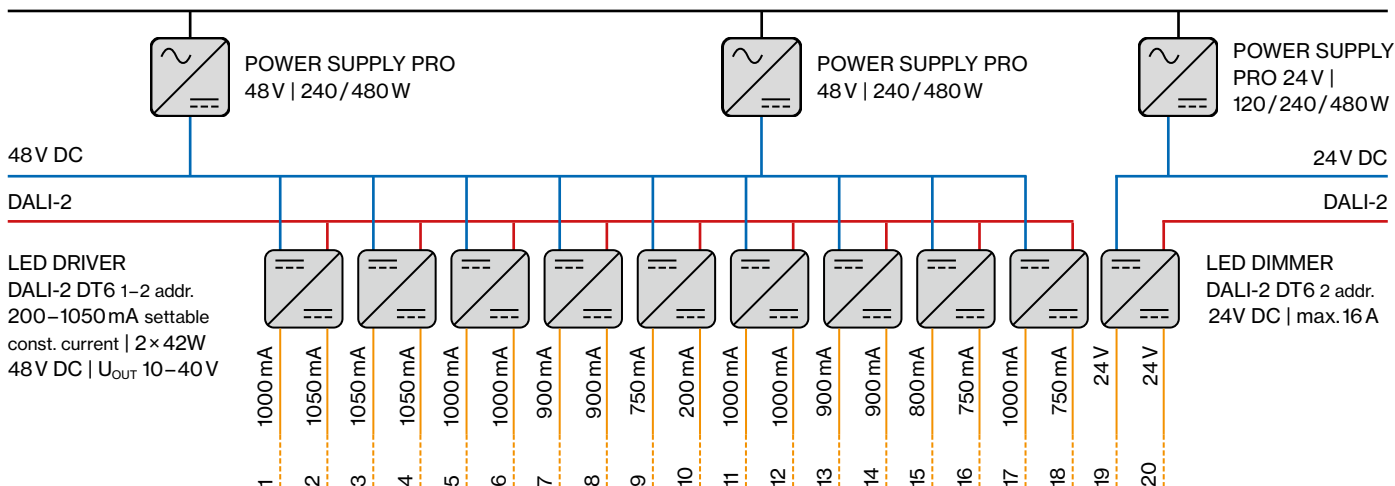
| TYPE    | L-W-H (mm) | ORDER CODE            |
|---------|------------|-----------------------|
| Casambi | 111-25-45  | 0 5 0 - 2 0 6 5 2 3 0 |

max. 64 DALI-2 nodes / max. 4 DALI-2 groups

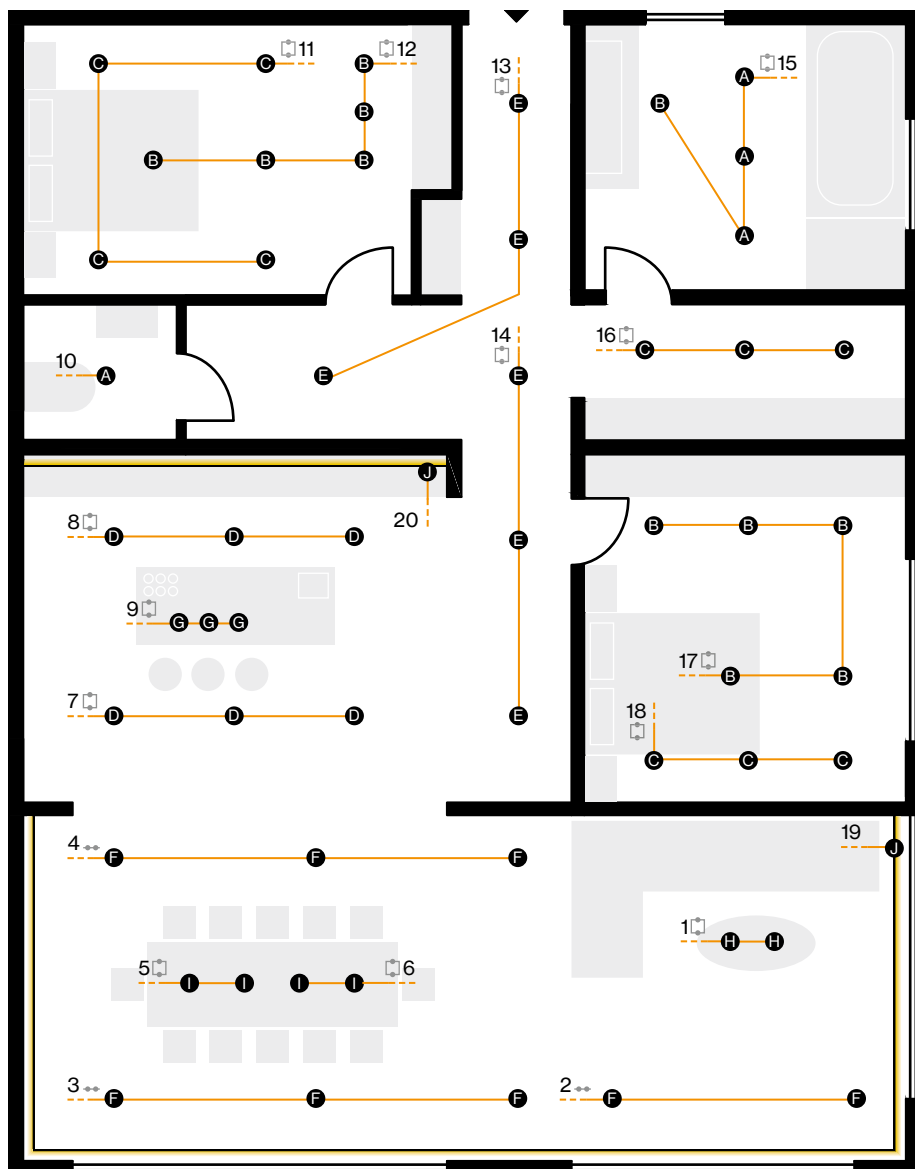
# Connection Example

220–240V AC

Central Cabinet



- Parallel connection
- Serial connection



- SASSO 40** round recessed downlight  
7.4 W 36 Vf 200 mA
- SASSO 40** round recessed adjustable  
7.4 W 36 Vf 200 mA
- SASSO 40** round recessed wallwasher  
6.8 W 27 Vf 250 mA
- SASSO 60** square recessed downlight  
10.7 W 36 Vf 300 mA
- SASSO 60** square semi-recessed  
10.7 W 36 Vf 300 mA
- SPIO 60** adjustable  
12.2 W 12 Vf 1050 mA
- MOVE IN 32** flex recessed  
8.8 W 36 Vf 250 mA
- TULA** micro suspended  
8.4 W 18 Vf 500 mA
- ARY** shade suspended  
8.4 W 18 Vf 500 mA
- LED Strip**  
24 V

# DIN Rail Components

**EN** DALI-2 DIN Rail constant current / constant voltage driver for DIN rail mounting; supply voltage 24/48 VDC; output current (constant current) 200–1050 mA; output current (constant voltage) 16 A. The driver is equipped with two output channels, each providing a maximum power of up to 42 W (constant current) or 380 W (constant voltage). Until the maximum power is reached, various combinations of parallel and series connections of constant current LED loads are possible; the DIN Rail driver is located in the central current distribution board and requires a corresponding wiring of the LED loads to the distribution; parallel-added LED loads share the set or maximum output current; Serial loads share the maximum output voltage; active load monitoring prevents failure-related overcurrent of parallel, constant current LED loads.

**DE** DALI-2 DIN Rail konstant Strom / konstant Spannung Treiber zur Hutschienen Montage; Versorgungsspannung 24/48 VDC; Ausgangsstrom (konstant Strom) 200–1050 mA; Ausgangsstrom (konstant Spannung) 16 A. Der Treiber ist mit zwei Ausgangskanälen ausgestattet die jeweils eine maximale Leistung von bis zu 42 W (konstant Strom) bzw. 380 W (konstant Spannung). Bis zum Erreichen der maximalen Leistung sind verschiedenste Kombinationen aus Parallel- und Serienschaltung von konstant Strom LED-Lasten möglich; Der DIN Rail Treiber findet in der zentralen Elektroverteilung Platz und erfordert eine dementsprechende Verkabelung der LED-Lasten zur Verteilung; Parallel hinzugefügte LED-Lasten teilen sich den eingestellten bzw. maximalen Ausgangsstrom; Serielle Lasten teilen sich die maximale Ausgangsspannung; Aktive Lastüberwachung verhindert ausfallbedingte Überbestromung von parallelen konstant Strom LED-Lasten.

## DIN Rail components constant voltage

### POWER SUPPLY BASIC 24V

220–240 V | 50–60 Hz |  PC II | MTBF @ 55° ambient temperature

| TYPE | EFFICIENCY / MTBF         | W-H-D (mm) | ORDER CODE  |
|------|---------------------------|------------|-------------|
| 96 W | $\eta$ 87 % / > 150.000 h | 90-90-60   | 005-6510010 |

### POWER SUPPLY PRO 24V

220–240 V | 50–60 Hz |  PC I | MTBF @ 55° ambient temperature  
cascadable max. 5 devices (120 W, 240 W) or 3 devices (480 W)

| TYPE  | EFFICIENCY / MTBF         | W-H-D (mm)  | ORDER CODE  |
|-------|---------------------------|-------------|-------------|
| 120 W | $\eta$ 87 % / > 400.000 h | 40-125-100  | 005-6210010 |
| 240 W | $\eta$ 90 % / > 350.000 h | 60-125-100  | 005-6210110 |
| 480 W | $\eta$ 91 % / > 250.000 h | 120-125-100 | 005-6210210 |

### LED DIMMER

DALI-2 DT6 1–4 addr. | 12/24/48 V DC | max. 16 A (total)  
MTBF > 100.000 h @ 55° ambient temperature

| TYPE                    | W-H-D (mm) | ORDER CODE  |
|-------------------------|------------|-------------|
| LED Dimmer   1 channel  | 18-90-57   | 005-6311010 |
| LED Dimmer   2 channels | 18-90-57   | 005-6311110 |
| LED Dimmer   4 channels | 18-90-57   | 005-6311210 |

### POWER SUPPLY BASIC 48V

220–240 V | 50–60 Hz |  PC II | Lifetime @ 120 W, 45° ambient temp.  
cascadable max. 3 devices

| TYPE  | EFFICIENCY / LIFETIME       | W-H-D (mm) | ORDER CODE  |
|-------|-----------------------------|------------|-------------|
| 160 W | $\eta$ 94.5 % / > 100.000 h | 72-90-63   | 005-6520210 |

### POWER SUPPLY PRO 48V

220–240 V | 50–60 Hz |  PC I | MTBF @ 55° ambient temperature  
cascadable max. 5 devices (240 W) or 3 devices (480 W)

| TYPE  | EFFICIENCY / MTBF         | W-H-D (mm)  | ORDER CODE  |
|-------|---------------------------|-------------|-------------|
| 240 W | $\eta$ 92 % / > 400.000 h | 60-125-100  | 005-6220110 |
| 480 W | $\eta$ 93 % / > 350.000 h | 120-125-100 | 005-6220210 |

## DIN Rail components constant current

### LED DRIVER

DALI-2 DT6 1–2 addr. | 200–1050 mA settable constant current in 50 mA steps  
2 × 42 W | 48 V DC |  $U_{OUT}$  10–40 V  
MTBF  $\geq$  400.000 h @ +55° ambient temperature

| TYPE                    | EFFICIENCY  | W-H-D (mm) | ORDER CODE  |
|-------------------------|-------------|------------|-------------|
| LED Driver   2 channels | $\eta$ 93 % | 36-88-59   | 005-6121030 |