



Light Management Systems: Scenes.

Complete LMS range for multifunctional management of lighting groups and lighting scenes.

SEE THE WORLD IN A NEW LIGHT



Multifunctional and flexible: Scene-based lighting.

Rooms that are used by different people for different purposes need more than just demand-based lighting – they need scene-oriented lighting.



In a conference room, for example, individual lighting scenes can be selected at the touch of a button for different activities, such as the welcoming address, a presentation or a group discussion. Lighting scenes can be adapted and changed at any time by the user, which gives the system enormous flexibility. For rooms that are generally used by different people at different times, such as training rooms, it is also very important for the system to be easy and intuitive to use. At indoor events, different lighting scenes can be created to produce a festive, focused or relaxing atmosphere. Certain areas can be individually lit and controlled by separate groups of luminaires as required.

OSRAM offers the following solutions:

- **MCU**

Rotary dimmer for simple manual dimming solutions

- **DALI® BASIC**

Multifunctional light management for single rooms

- **DALI® PROFESSIONAL**

Light management system for large rooms or several single rooms

Simple manual dimming solutions: MCU.

DALI® MCU and DIM MCU rotary dimmers can be used to create extremely simple, functional and convenient manual dimming solutions.

The benefits of MCU rotary dimmers:

- Can be integrated in many standard switch designs
- No addressing required, simple installation, intuitive operation
- Functions: on/off, fade up/down, set minimum background brightness
- Virtually universal use: classrooms, conference rooms, offices, control of luminaire groups and individual luminaires

DALI® MCU.

- Digital rotary dimmer for up to 25 DALI® ECGs
- Precise and ergonomic manual dimming of a wide range of light sources with the DALI® interface
- Multiple control points and control of up to 100 luminaires by connecting up to 4 DALI® MCUs in parallel
- Automatic synchronization enables the other control points to be used at any time without the risk of annoying side effects such as sudden changes in brightness
- Plug&Play expansion with DALI® Repeater
- Lighting control in partitioned rooms

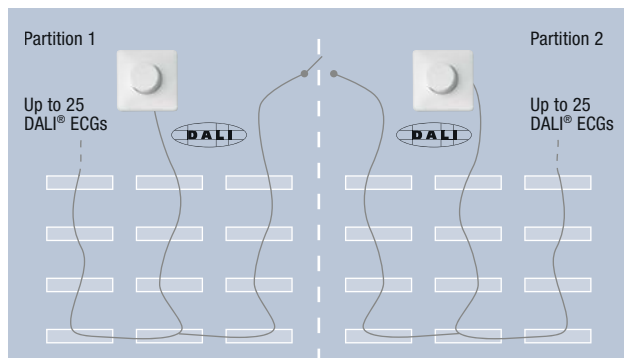
DIM MCU.

- Analog rotary dimmer with a 1...10V interface
- Control of up to 100 ECGs from one control point
- Integrated 6A switching contact



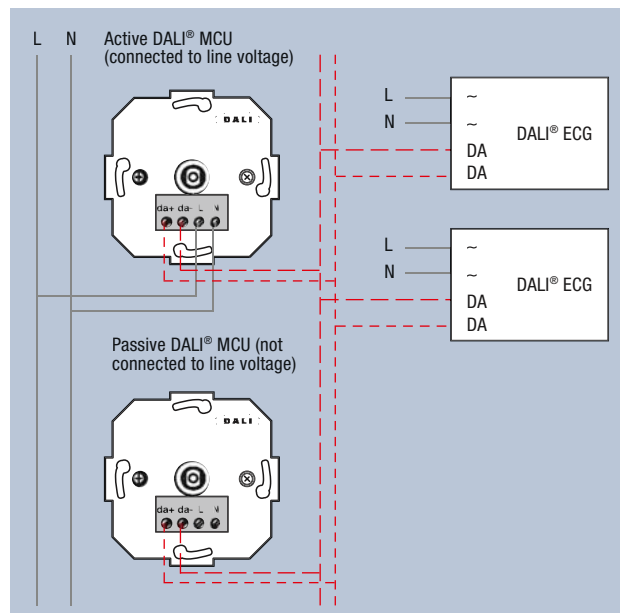
Control of partitioned rooms with DALI® MCU.

DALI® MCU rotary dimmers allow easy control of lighting in partitioned rooms.



Wiring diagram for DALI® MCU.

- A maximum of 4 DALI® MCUs can be connected in parallel, of which at least one is active
- Up to 25 DALI® ECGs with one active DALI® MCU
- Up to 100 DALI® ECGs with 4 active DALI® MCUs



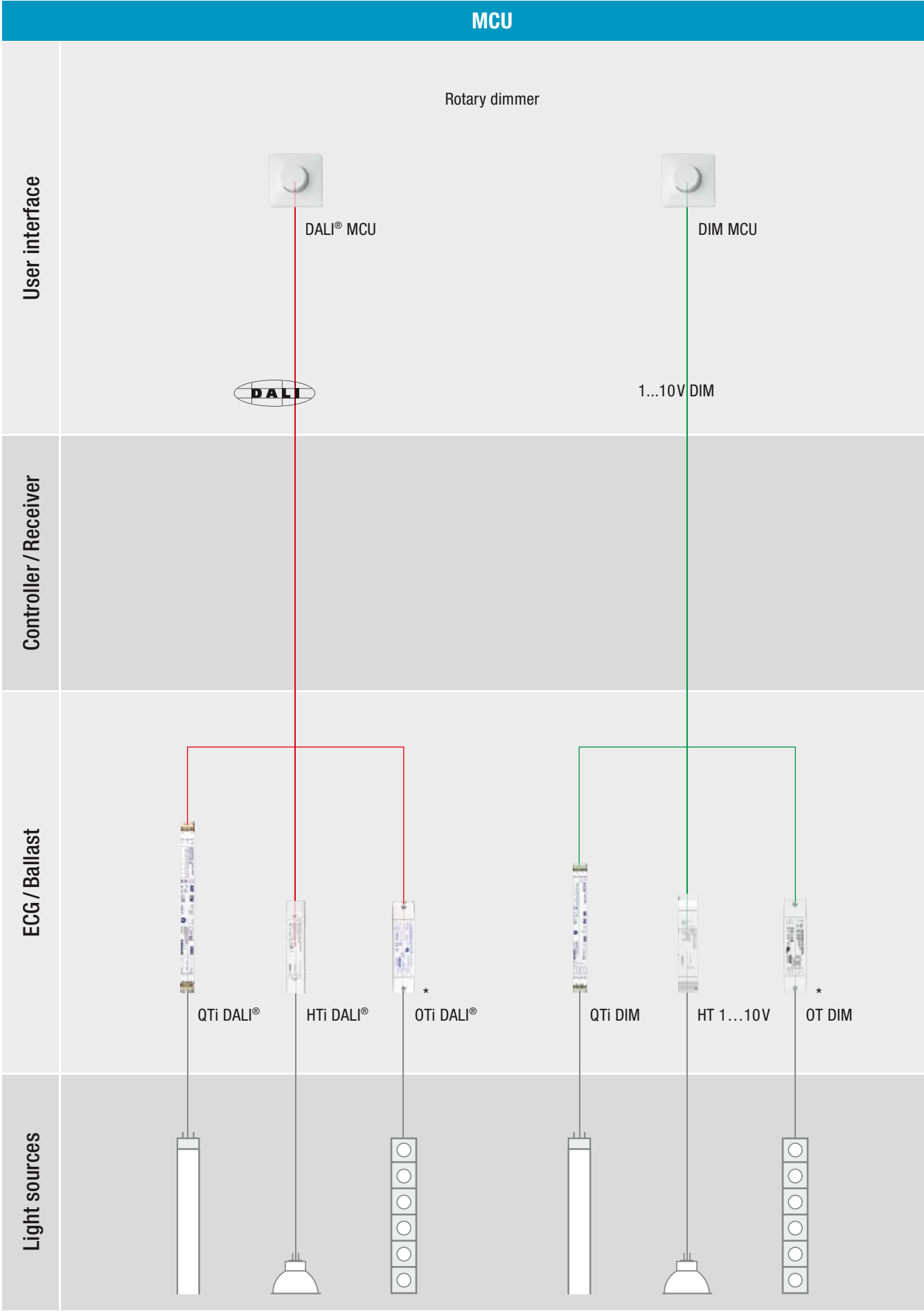
DALI® MCU – digital rotary dimmer.

- Switch-on level and background brightness can be stored by double-clicking
- No individual DALI® addressing required (DALI® broadcast)
- Length of the DALI® control cable: 300 meters
- Up to 4 control points can be easily provided
- Automatic synchronization between the control points
- Power consumption: max. 2 W
- Up to 25 ECGs can be directly connected, flexible expansion using DALI® Repeaters or further DALI® MCUs
- Provided with cover and rotary switch in neutral white



DIM MCU – analog rotary dimmer.

- Integrated 250V/6A switching contact for up to ten single-lamp ECGs or five double-lamp ECGs (can be expanded via external relay)
- Up to 100 ECGs with a 1...10V interface can be directly connected, flexible expansion possible with DIM SA signal amplifier
- Provided with cover and rotary switch in cream white



* Suitable power supply required

Multifunctional light management system for single rooms: DALI® BASIC.

The DALI® BASIC system is characterized by simple installation and commissioning. It enables convenient scene-based lighting controls and energy-saving lighting to be set up with daylight and presence-dependent regulation.

Daylight-dependent control for multi-purpose rooms with presence function and static lighting scenes.

DALI® BASIC is ideal for offices, conference rooms, classrooms, sports halls, arenas, and production and assembly plants. Luminaires can be assigned to groups, and the assignment can be changed at any time without changing the wiring.

- Scene-based and/or daylight-dependent and presence-dependent lighting according to requirements
- Storage and retrieval of 4 lighting scenes
- Control of 4 individually definable groups

- Daylight-dependent control of three groups
- Presence-dependent lighting control with adjustable delay time
- Operation and set-up by means of standard switches

Complete system:

- Controller: simple setup, no programming required, up to 64 DALI® ECGs and up to 6 sensors can be connected
- Light and presence sensors for recessed or surface mounting on ceilings, detection angle 100°
- 5 inputs for standard momentary-action switches:
 - 1 momentary-action switch for on/off/dimming,
 - 4 momentary-action switches for groups/scenes





DALI® RC BASIC SO – Controller.

- Casing for DIN rail mounting
- Presence detection with user-definable delay (1 to 30 minutes)
- Operation of up to 4 individually programmable lighting scenes (1 of which under daylight-dependent control, lockable scenes) and 4 freely assignable lighting scenes (3 of which under daylight-dependent control)
- 3 inputs for 3 light and/or presence sensors, 5 inputs for switches with make contacts for startup/operation
- Power draw: max. 9W
- Notification of lamp faults and control line breaks via LEDs and integrated floating make contact
- Up to 64 ECGs can be directly connected, flexible expansion possible using DALI® Repeaters



DALI® LS/PD BASIC – Light and presence sensor.

- Light and presence sensor for luminaire installation and ceiling mounting or installation in louvers with supplied mounting clip for attaching to fluorescent lamps
- Can also be used purely as a light sensor or purely as a presence sensor



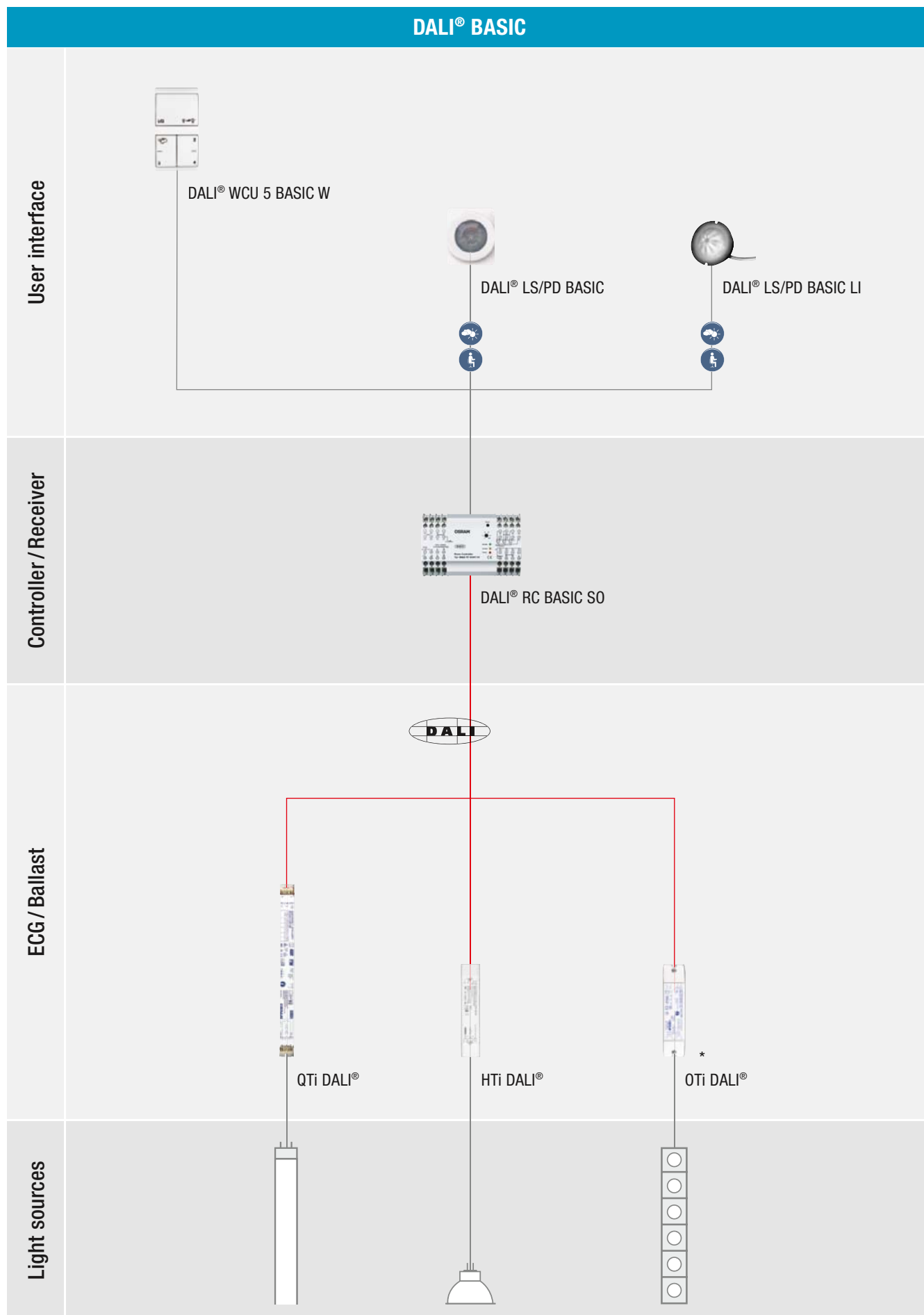
DALI® LS/PD BASIC LI – Light and presence sensor.

- Light and presence sensor for ceiling or luminaire installation
- Supplied with white mounting ring for installation in 51mm halogen downlights
- Can also be used purely as a light sensor or purely as a presence sensor



DALI® WCU 5 BASIC W – 5-way control point.

- 5-way switch panel (5 make contacts rated for line voltage)
- Supplied in neutral white
- For mounting on standard LIP boxes



Packed with functions but easy to use. The DALI® interface standard.

If the light control system, sensors, controllers, electronic control gears and lamps are to work together at peak performance, they must be able to communicate with one another without restriction and react accordingly. A common interface for all components in a system is therefore of enormous importance.



The possibilities are almost endless: With DALI® light management systems it is possible to create predefined lighting scenes and lighting effects perfectly tailored to specific tasks. DALI®-based light control solutions are also easier to plan and install and have greater functionality than systems based on the 1...10V interface.

Flexible lighting control for large rooms and multi-room solutions: DALI® PROFESSIONAL.

The DALI® PROFESSIONAL system is suitable for complex applications in room and floor control, daylight-dependent regulation, RGB control and dynamic lighting control.

Control of 4 DALI® lines with a total of 256 ECGs.

Configuration and startup are especially easy with Windows® based PC software and a USB port. A Plug&Play setting is preconfigured for instant use without any startup procedure. Control is via standard switches connected to a DALI® PROFESSIONAL pushbutton coupler. The DALI® PROFESSIONAL sensor coupler is the simple way to integrate all light and presence sensors from the MULTI 3 system. A maximum of 50 pushbutton or sensor couplers can be integrated. Glass touch elements and a touch panel are available as attractive and functional control components.

The benefits of DALI® PROFESSIONAL.

- Control of 64 ECG, 16 groups, and 16 lighting scenes in each DALI® line
- 4 integrated, freely configurable floating relays in the controller
- Functions over all lines
- Daylight-dependent and event-based control with presence function for all groups
- Event-controlled processes such as corridor and stairwell function
- Graphic visualization of device connections

Applications:

- Restaurants
- Retail outlets
- Industry
- Offices

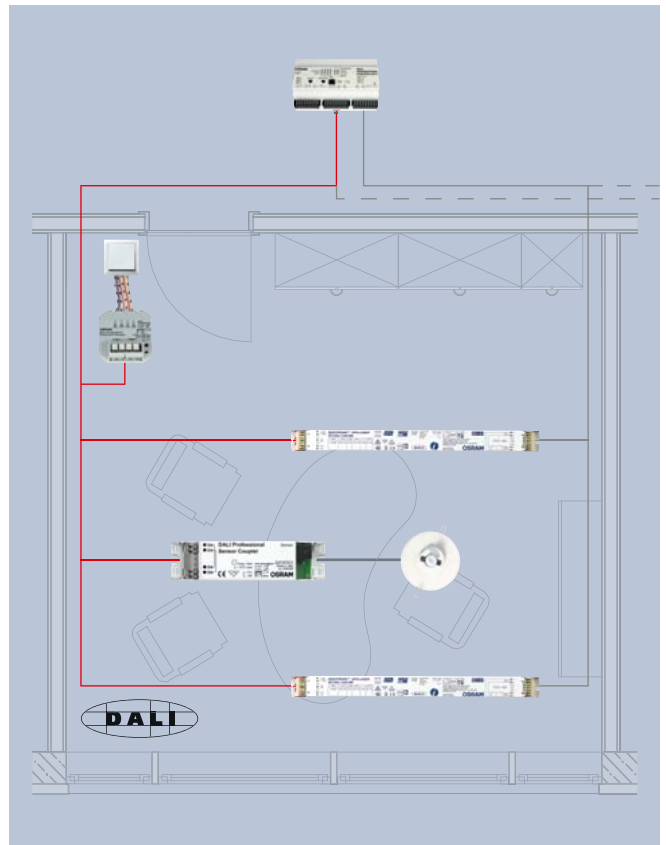
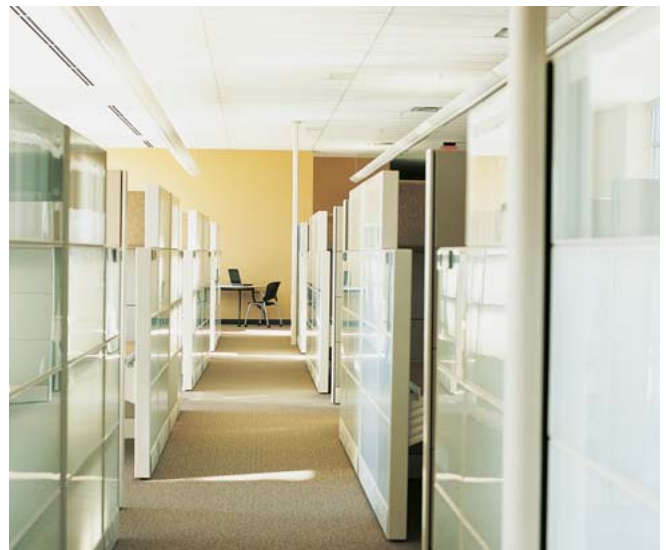
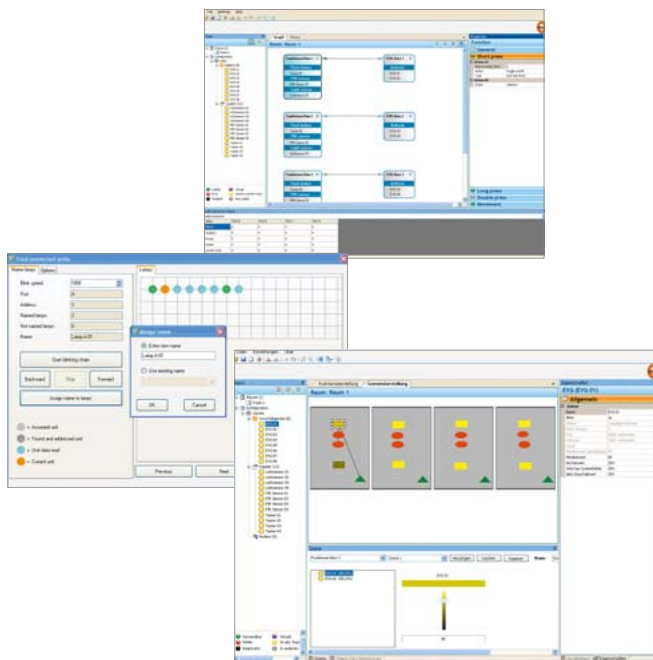


Sample application for multiple individual offices.

Functions in multiple individual offices.

- ON/OFF switching
- Individual light level setting
- Daylight-dependent control
- Presence-dependent control

With DALI® Professional software, different scenes – including scenes for multiple offices – can be easily set up as required.



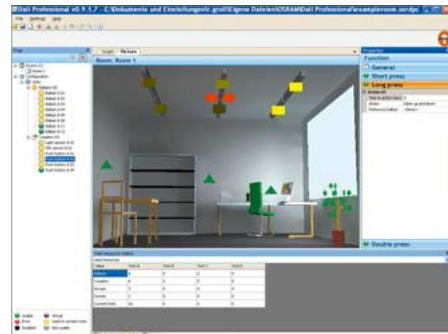
Products:

- DALI® PRO CONT-4 controller
- DALI® PRO Sensor Coupler
- DALI® PRO PB Coupler
- LS/PD MULTI 3 CI ceiling installation sensor
- QTl DALI® ECG
- e:bus DALI® Gateway
- Touch Panel
- Glass touch element



DALI® PRO CONT-4 – Controller.

- Snap-on controller for 4 DALI® lines with up to 256 ECGs
- Up to 50 pushbutton/sensor couplers can be connected
- Integrated DALI® supply
- Load contact: 4 × 5 A
- Plug&Play preconfigured for instant use with no startup procedure
- Daylight-dependent and/or presence-dependent or manual control of up to 4 × 16 groups
- 4 freely programmable switchover relays
- USB PC connection
- Graphic configuration software with Windows® interface: simple and convenient installation/setup, flexible function/component preview, interactive scene preview



DALI® PRO Sensor Coupler – Sensor coupler.

- For connecting light and presence sensors in DALI® systems
- Power supply from DALI®
- All light and presence sensors from the MULTI 3 range can be used



DALI® PRO PB Coupler – Pushbutton coupler.

- Up to 4 floating inputs for integrating pushbuttons/switches for dimming, for scene setting, for storing, ON/OFF
- Power supply from DALI®
- Standard pushbuttons/switches can be used



e-bus DALI® Gateway – DALI® Gateway.

- For connecting DALI® PRO Touch Panel or glass touch elements to the DALI® PRO CONT-4 controller
- 24 V supply needed (e.g. PS 30/24 V)



PS 30/100–240/24 SO.

Power supply for 24 V devices

- DIN rail mounting
- 1.3A output current
- Input voltage 100–240 V AC



DALI® PRO Touch Panel – Touch Panel.

- 5.7" high-resolution LCD touch screen
- Powered via the e:bus line
- All the luminaires in the system can be dimmed or switched
- Timed programming of group ON/OFF switching
- Objects such as backgrounds, logos, keys, faders or floor plan can be inserted
- Configuration via supplied Windows® software
- Flush-type boxes available for installation in cavity or solid walls



Glass Touch 6T, 12T, 6TW – Glass touch element.

- Touch-sensitive control components
- Powered via the e:bus line
- Smooth real glass surface, extremely low profile
- Configuration via Windows® software
- **Glass Touch 6T:** 6 pushbutton functions
- **Glass Touch 12T:** 12 pushbutton functions
- **Glass Touch 6TW:** 6 pushbutton functions + Touch Wheel



LS/PD MULTI 3 – Light and presence sensor, luminaire installation.

- Connection via modular 4p4c connector
- Connecting cable length: 2.1 m (detachable)
- Approx. 80° angle of detection, detection area max. diameter 5 m, max. 4 m installation height



LS/PD MULTI 3 FL – Light and presence sensor, luminaire installation, flat.

- Low-profile casing design
- Connection via modular 4p4c connector
- Connecting cable length: 2.1 m (permanently connected)
- Approx. 80° angle of detection, detection area max. diameter 5 m, max. 4 m installation height



LS/PD MULTI 3 B – Light and presence sensor, luminaire installation, moveable.

- Moveable sensor head
- Connection via modular 4p4c connector
- Connecting cable length: 2.1 m (permanently connected)
- Approx. 80° angle of detection, detection area max. diameter 5 m, max. 4 m installation height



LS/PD MULTI 3 CI – Light and presence sensor, ceiling installation, moveable.

- Ceiling installation sensor with moveable sensor head
- Connection via modular 4p4c connector/screw terminals
- Surface mounting with SENSOR KIT
- Approx. 80° angle of detection, detection area max. diameter 5 m, max. 4 m installation height



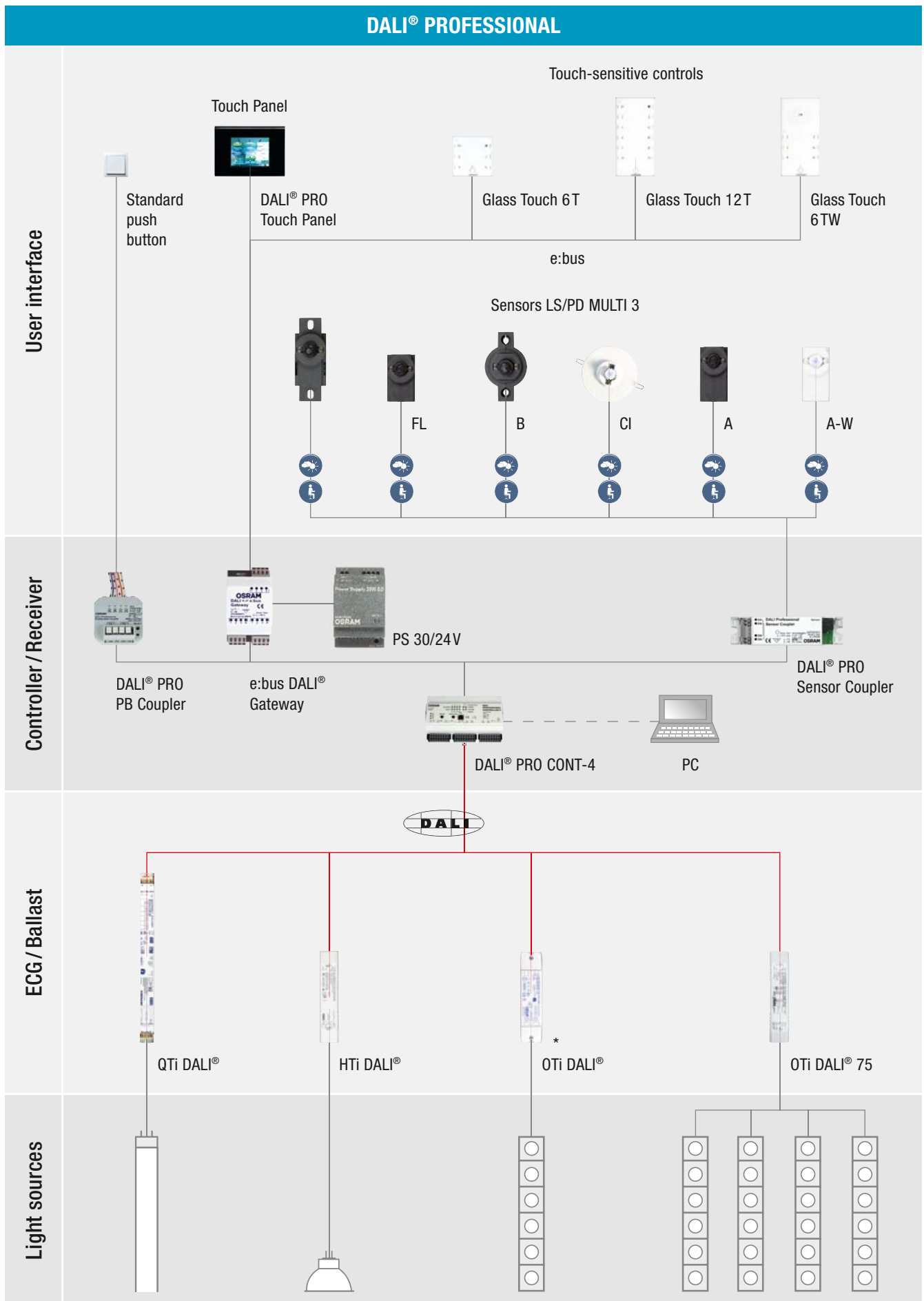
LS/PD MULTI 3 A – Light and presence sensor, luminaire installation, pluggable.

- Luminaire mounting possible via optional clip
- Connection via modular 4p4c connector
- Connecting cable length: 2.1 m (detachable)
- Approx. 80° angle of detection, detection area max. diameter 5 m, max. 4 m installation height



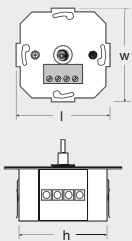
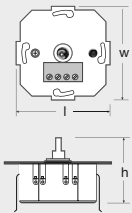
LS/PD MULTI 3 A-W – Light and presence sensor, luminaire installation, pluggable, white.

- Luminaire mounting possible via provided clip
- Connection via modular 4p4c connector
- High-temperature cable (125°), white, connecting cable length: 2.1 m (detachable)
- Approx. 80° angle of detection, detection area max. diameter 5 m, max. 4 m installation height

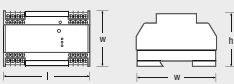
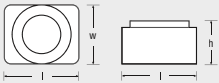
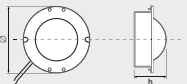


* Suitable power supply required

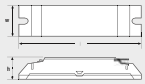
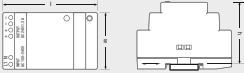
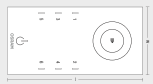
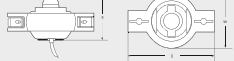
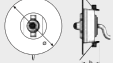
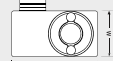
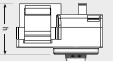
MCU

Graphic	Technical drawing	Product reference	Order reference	Product number	Dimensions
		Digital rotary dimmer	DALI® MCU	4008321 189721	71 × 71 × 50 mm (L × W × H)
		Analog rotary dimmer	DIM MCU	4050300 347424	71 × 71 × 50 mm (L × W × H)

DALI® BASIC

Graphic	Technical drawing	Product reference	Order reference	Product number	Dimensions
		Controller (8TE)	DALI® RC BASIC S0	4050300 654973	140 × 90 × 61 mm (L × W × H)
		Light and presence sensor for ceiling surface mounting	DALI® LS/PD BASIC	4050300 639949	59 × 71 × 42 mm (L × W × H)
		Light and presence sensor for ceiling recessed mounting	DALI® LS/PD BASIC LI	4050300 850184	47 × 24 mm (Ø × H)
		5-way control point	DALI® WCU 5 BASIC W	4050300 771106	150 × 80 × 40 mm (L × W × H)

DALI® Professional

Graphic	Technical drawing	Product reference	Order reference	Product number	Dimensions
		Controller (9TE)	DALI® PRO CONT-4	4008321 478948	160 × 90 × 63 mm (L × W × H)
		Sensor coupler	DALI® PRO Sensor Coupler	4008321 379269	118 × 30 × 21 mm (L × W × H)
		Pushbutton coupler	DALI® PRO PB Coupler	4008321 496461	42 × 42 × 20 mm (L × W × H)
		DALI® Gateway (3TE)	e:bus DALI® Gateway	4008321 957085	90 × 54 × 62 mm (L × W × H)
		24V supply (3TE)	PS 30/24V	4008321 555311	90 × 54 × 58 mm (L × W × H)
		Touch Panel	DALI® PRO Touch Panel	4008321 957092	220 × 45 × 160 mm (L × W × H)
		Glass touch element	Glass Touch 6 T	4008321 957108	80 × 11 × 80 mm (L × W × H)
		Glass touch element	Glass Touch 12 T	4008321 957115	80 × 11 × 160 mm (L × W × H)
		Glass touch element	Glass Touch 6 TW	4008321 957054	80 × 11 × 160 mm (L × W × H)
		Light and presence sensor, luminaire installation, standard	LS/PD MULTI 3	4050300 802138	55 × 21 × 25 mm (L × W × H)
		Light and presence sensor, luminaire installation, flat	LS/PD MULTI 3 FL	4050300 047342	35 × 21 × 12 mm (L × W × H)
		Light and presence sensor, luminaire installation, moveable	LS/PD MULTI 3 B	4050300 803081	48 × 30 × 25 mm (L × W × H)
		Light and presence sensor, recessed ceiling, moveable	LS/PD MULTI 3 CI	4008321 916648	50 × 25 mm (Ø × H)
		Light and presence sensor, luminaire installation, clip-on	LS/PD MULTI 3 A	4008321 653598	38 × 20 × 22 mm (L × W × H)
		Light and presence sensor, luminaire installation, clip-on, white	LS/PD MULTI 3 A-W	4008321 653611	38 × 20 × 22 mm (L × W × H)
		Adapter for surface mounting	SENSOR KIT	4008321 916662	80 × 25 mm (Ø × H)

System guarantee.

Only from OSRAM: System⁺ Guarantee for unique security and quality.

OSRAM offers an extensive three-stage guarantee for light management systems and ECG/lamp systems from OSRAM. All the details on the relevant products, registration and the guarantee requirements can be found at: www.osram.com/system-guarantee



The perfect solution: the OSRAM LMS product portfolio.

To reflect the principal application requirements, OSRAM's LMS product portfolio is structured in the following five categories:

Energy saving

→ For energy-saving daylight-dependent and presence-dependent lighting

Ambience

→ EASY Color and white light control for shop and hospitality

Scenes

→ For multifunctional management of lighting groups and lighting scenes

Components

→ For expanding, connecting or installing light management products

Light Source Control Gears

→ For safe, efficient and reliable lamp/luminaire operation

LMS from OSRAM: LMS folder.

Compilation of product brochures on every LMS topic, including a poster, an application matrix and a CD-ROM, bundled in a folder.