

Light Management Systems: Components.

Non-system-specific components for expanding, connecting or installing light management products.

SEE THE WORLD IN A NEW LIGHT



Expand, connect and install with non-system-specific components.

Everything from a single source. The complete OSRAM LMS range offers products for almost all types of modern lighting control – and the appropriate accessories for simple expansion, connection and installation of our innovative light management systems.

This includes:

- Signal repeaters
- Signal amplifiers
- Signal converters
- Radio-controlled components
- Connectors
- Installation kits



Signal repeaters/amplifiers.

DALI® repeaters provide the expanding DALI® systems. They are addressable, which means that the repeaters can be individually controlled and configured within an installation. The ECGs connected to the repeater operate automatically as a group with a uniform dimmer setting. In Touch DIM® mode, the repeater operates as an independent controller for manual control of any DALI® ECG, using standard switches. Using a DMX signal repeater means increasing the number of DMX devices and extend the length of the DMX signal cable. Signal amplifiers operate in conjunction with controllers, enabling a larger number of ECGs to be connected to the controller.



DALI® REP LI.

- Expansion of DALI® systems by 64 ECGs each time
- Device for luminaire installation (independent installation possible with LMS CI BOX)
- Extends the DALI® line by 300 m
- Touch DIM® control of 64 DALI® ECGs
- Power input: max. 4 W



DALI® REP SO.

- Expansion of DALI® systems by 64 ECGs each time
- DIN rail housing
- Extends the DALI® line by 300 m
- Touch DIM® control of 64 DALI® ECGs
- Standby consumption: max. 1 W
- Integrated load contact for disconnecting the ECG supply on standby (Greenswitch)



DMX ISOLATED REPEATER.

- Increase signal cable length > 300 m
- Increase number of DMX devices by 32
- Integrated isolated barrier and galvanic separation between lighting zones
- Repetition of DMX (one way) and RDM (bi-directional) signals
- Supply voltage: 9–48 V DC

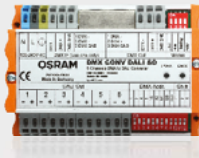


DIM SA.

- Signal amplifier for 1...10 V controllers and sensors
- Supports large luminaire groups and long control lines
- Load capacity of the signal output: max. 100 mA/100 OSRAM 1...10 V ECGs or 33 further DIM SA signal amplifiers

Converters.

DALI® converters are multifunctional units. They convert digital DALI® signals to analog 1...10V signals. Alternatively, the separate Touch DIM® input allows single-switch control of the connected 1...10V ECG. DALI® converters can also be used purely as DALI® switching actuators. The DMX to DALI® converter allows easy integration of DALI® ballasts in DMX installations. Non-dimmable loads are also be integrable.



DALI® CON 1...10 LI.

- Converter for installation in luminaires
- Load capacity of the signal output: max. 100 mA/100 OSRAM 1...10V ECGs or 33 DIM SA signal amplifiers or 0...10V max. 5 mA active
- Switchable characteristic: linear/logarithmic
- Load capacity of switching contact: 5 A

DALI® CON 1...10 SO.

- Converter for snap-on
- Load capacity of the signal output: max. 100 mA/100 OSRAM 1...10V ECGs or 33 DIM SA signal amplifiers or 0...10V max. 5 mA active
- Switchable characteristic: linear/logarithmic
- Load capacity of switching contact: 5 A

DMX CONVERTER DALI® SO.

- DIN RAIL housing
- 6 DALI® broadcast output channels for up 96-ECG
- Manual and auto DMX addressing mode
- Immediate ignition of FL lamps by user selectable permanent filament preheating (in combination with QTl DALI® ECG)
- Number of DMX channels (1–6) to be converted
- Automatic amplification of DMX output signal

DALI® SWITCH SO.

- DIN rail housing
- 3 independent load contacts
- Up 6 A ohmic load
- Supplied by 24V DC (e.g. 24V power supply for DIN rail mounting PS30)



Radio receiver.

Touch DIM® RC.

- Radio receiver for batteryless EnOcean radio switches for 2 lighting groups
- Dimming without a control line by means of maintenance-free radio technology
- Power draw: max. 1.5 W
- Frequency band: 868.3 MHz
- 2 floating semiconductor relay outputs: max. 45 mA/240 V
- Up to 15 QTi DALI® ECGs, OTi DALI® ECGs or HTi transformers can be connected per output
- Up to 30 wall transmitters can be trained

SWITCH RC.

- Suitable for all OSRAM control elements and sensors with EnOcean radio technology
- Choice of 5 different operating modes
- Adjustable switch-off delay: 1 to 20 min
- Range: up to 30 m (up to 5 walls) or 100 m (no walls)
- Switching by means of maintenance-free EnOcean radio technology
- Frequency band: 868.3 MHz
- Up to 8 sensors and 8 wall-mounted/hand-held transmitters can be trained
- Up to 14 ECGs can be connected



Radio transmitters.

Touch DIM® WCU – 2-channel radio switch.

- Batteryless radio switch for up to 2 lighting groups
- Dimming without a control line by means of maintenance-free radio technology
- Frequency band: 868.3 MHz
- Output power: 10 mW
- Batteryless operation thanks to inductive power generation

Touch DIM® RMC – 4-channel radio remote control.

- Batteryless radio remote control for up to 4 lighting groups
- Dimming without a control line by means of maintenance-free radio technology
- Frequency band: 868.3 MHz
- Output power: 10 mW
- Batteryless operation thanks to inductive power generation



Y-connectors.

Y-connectors are used to link multiple controllers and connect additional system components.

Y-CONNECTOR.

- Passive distributor
- Connections: 3 × modular 4p4c socket
- 2 connecting cables included, modular 4p4c connector on both ends, length 2.1 m
- Enables synchronization of multiple EASY control units and connection of further EASY system components
- Enables parallel connection of multiple sensors to a MULTleco/MULTI 3 system
- Option for adhesive pad mounting

Y-CONNECTOR SCREW.

- Passive distributor
- Connections: 2 × four-pin screw terminal, 2 × modular 4p4c socket
- 2 connecting cables included, modular 4p4c connector on both ends, length 2.1 m
- Enables multiple MULTleco/MULTI 3 systems to be connected to central presence detection.
- Enables standard cables to be used for EASY, MULTI 3 and MULTleco systems
- Option for adhesive pad mounting



PS 30/100–240/24 S0.

Power supply for 24 V components.

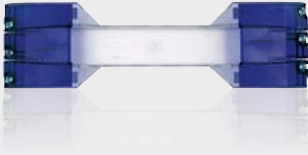
- DIN rail housing
- 1.3 A output current
- Input voltage 100...240 V AC



DALI® MAGIC.

Testing, analysis and programming of DALI® ballasts and DALI® installations.

- Standard interface DALI®/USB
- Central control, analysis and programming of DALI® systems (e.g. reading and writing of DALI® device configurations) by using "DALI® wizard" software
- "DALI®-Spy" functionality for recording data flow on the DALI® line by means of software "DALI® wizard"
- Programming of OSRAM ECGs with 3DIM functionality by using "3DIM Tool" software



LMS CI BOX.

- Cable clamp casing for independent mounting of all OSRAM controllers with dimensions 189 × 30 × 21 mm (L × W × H)



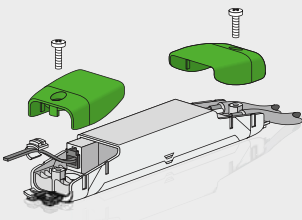
SENSOR KIT.

- Adapter for surface mounting sensor elements with a diameter of 50 mm










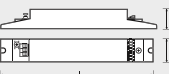

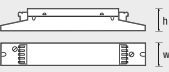











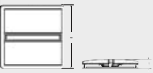






MOUNTING ADAPTER.

- Adapter for surface mounting sensor elements with a diameter of 116 mm


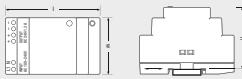



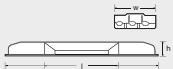



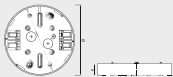
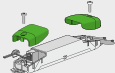



ECO CI KIT.

- Cable clamp kit for independent mounting of all OSRAM controllers with dimensions of 118 × 30 × 21 mm (L × W × H)

Graphic	Technical drawing	Product reference	Order reference	Product number	Dimensions
		DALI® Repeater LI	DALI® REP LI	4008321 292599	189 × 30 × 21 mm (L × W × H)
		DALI® Repeater SO	DALI® REP SO	4008321 301093	72 × 96 × 62 mm (L × W × H)
		DMX Isolated Repeater	DMX ISOLATED REPEATER	4008321 621832	80 × 71 × 24 mm (L × W × H)
		Signal amplifier	DIM SA	4008321 097095	189 × 30 × 30 mm (L × W × H)
		DALI® converter Luminaire installation	DALI® CON 1...10 LI	4050300 638973	190 × 30 × 27 mm (L × W × H)
		DALI® converter (4TE) Snap-on	DALI® CON 1...10 SO	4050300 639802	72 × 90 × 64 mm (L × W × H)
		DMX converter DALI® SO	DMX CONVERTER DALI® SO	4008321 532336	107 × 76 × 59 mm (L × W × H)
		DALI® Switch SO	DALI® SWITCH SO	4008321 533364	96 × 54 × 62 mm (L × W × H)
		2-channel radio receiver	Touch DIM® RC	4008321 031938	189 × 30 × 21 mm (L × W × H)
		1-channel radio receiver	SWITCH RC	4008321 385642	45 × 37 × 23 mm (L × W × H)
		2-channel radio switch	Touch DIM® WCU	4008321 032737	80 × 80 × 20 mm (L × W × H)
		4-channel radio remote control	Touch DIM® RMC	4008321 183033	82 × 49 × 20 mm (L × W × H)
		Y-connector	Y-CONNECTOR	4008321 803135	34 × 18 × 16 mm (L × W × H)
		Y-connector with screw terminals	Y-CONNECTOR SCREW	4008321 916686	40 × 20 × 16 mm (L × W × H)

ORDER OVERVIEW

Graphic	Technical drawing	Product reference	Order reference	Product number	Dimensions
		Power supply	PS 30/24V	4008321 555311	90 × 54 × 58 mm (L × W × H)
		Analysis and programming tool	DALI® MAGIC	4008321 582768	120 × 79 × 28 mm (L × W × H)
		Installation kit	LMS CI BOX	4008321 083692	261 × 71/35 × 27 mm (L × W × H)
		Adapter for surface mounting	SENSOR KIT	4008321 916662	80 × 25 mm (Ø × H)
		Mounting adapter	MOUNTING ADAPTER	4008321 480798	116 × 19 mm (Ø × H)
		Installation kit	ECO CI KIT	4008321 392091	—

	SYSTEMS							
Components	Sensors	Touch DIM® (TD)	MULTIeco	MULTI 3	EASY Color Control	MCU	DALI® BASIC	DALI® PROFESSIONAL
DALI® REP LI		■	■	■	■	■	■	■
DALI® REP SO		■	■	■	■	■	■	■
DMX ISOLATED REPEATER					■			
DIM SA	■		■	■		■		
DALI® SWITCH SO							■	■
DALI® CON 1...10 LI		■	■	■	■	■	■	■
DALI® CON 1...10 SO		■	■	■	■	■	■	■
DMX CONVERTER DALI® SO					■			
Y-CONNECTOR			■	■	■			
Y-CONNECTOR SCREW			■	■	■			
LMS CI BOX		■		■	■			
SENSOR KIT			■	■	■			■
MOUNTING ADAPTER	■							
ECO CI KIT			■		■			■
PS 30/24V								■
DALI® MAGIC							■	■
TOUCH DIM® RC		■	■	■	■		■	■
SWITCH RC	■	■	■	■	■		■	■
TOUCH DIM® WCU	■	■	■	■	■		■	■
TOUCH DIM® RMC	■	■	■	■	■		■	■

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.