

Light management systems from OSRAM – simple, complete, innovative

The right light in the right amount at the right place and at the right time promotes our sense of well-being and stimulates us to be active. In addition to the technical and architectural aspects, light management systems (LMS) therefore play an important role in the holistic approach to planning high-quality lighting systems.

Light management systems detect and control different lighting levels and color mixes, so they give lighting a dynamic dimension. Automatic changes to the amount, color and direction of the light mean that the lighting system can be controlled on the basis of demand –

from daylight-dependent control and dynamic lighting applications to pushbutton selection of different lighting scenes.

Light management solutions can bring the demands for comfort and energy savings into perfect harmony. Users can adjust the lighting level themselves at any time to suit their specific needs. At the same time, the lighting system can be dimmed up or down automatically depending on the amount of available daylight, leading to significant energy saving potential.



Light management products from OSRAM provide the ideal basis for innovative tailor-made lighting concepts – from a simple individual luminaire to complex and large-area solutions. Thanks to our many years of experience and in-depth technical know-how, our wide-ranging product portfolio meets the requirements in many different areas of applications.

In addition, we offer expert support for all aspects. From planning your project via the selection of the correct products to the realization and comprehensive technical support, OSRAM is at your side at all times – just take a look at www.ledvance.com/lms.

Touch DIM®: lighting control without a controller and dimming without a control line

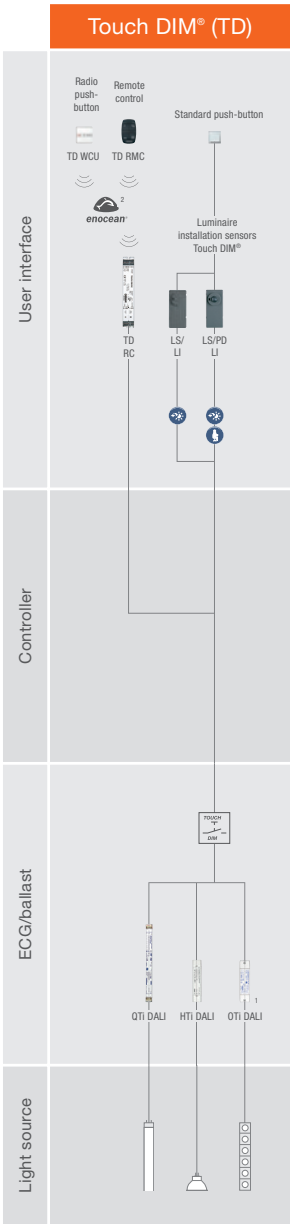
The Touch DIM® function in the DALI ECG family makes it possible to dim and switch the control gear directly with line voltage at the DALI control terminals. There is no longer any need for a separate controller as the ECG itself acts as the controller. By using DALI to 1...10 V converters, it is also possible to control 1...10 V ECGs via Touch DIM®. The Touch DIM® function is characterized in particular by protective soft starting, precise setting of the required light value, manual storage of the switch-on value by double-clicking or switching on at the last dimmer value and automatic restoration of the last state after a power failure.

In conjunction with Touch DIM® sensors, it is possible to provide daylight-dependent and presence-dependent lighting control, and with the 2-channel radio switch + associated radio receiver module all Touch DIM® compatible electronic control gears can be controlled. Both radio components are absolutely maintenance-free. Up to 30 radio switches can be easily saved and deleted in each receiver module with one click. Thanks to innovative induction technology, batteries are not needed to power the transmitter module in the radio switch. For realizing of big Touch DIM® installations or long line length, the usage of a DALI Repeater is recommended. Thereby, the signal of the push button will be transformed into a DALI signal. In this way, the usage of push button control is possible for all DALI products.

Applications

- Free-standing and other single luminaires
- Strip lighting
- Modernization of existing installations

System overview



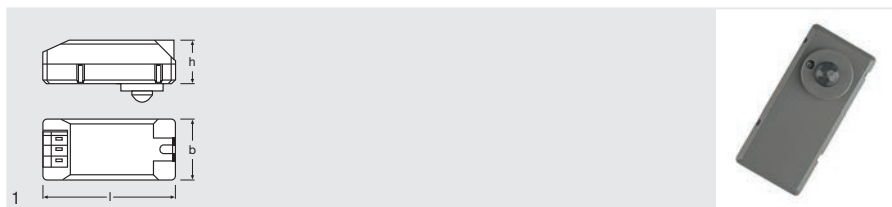
- 1 Presence detection
- 2 Daylight detection

1 Suitable power supply required
2 Battery-less radio standard



Touch DIM® LS/PD LI

Light and presence sensors for light management systems



Product name	GTIN (EAN)	CONTROL				No. of OUTPUTS	W SYSTEM	IP
TOUCH DIM LS/PD LI	4008321023025	Touch DIM	4	80 ¹⁾	10...350 ¹⁾	1	0,50	IP20
Product name		COLOR					No.	
TOUCH DIM LS/PD LI	Luminaire integration	Anthracite	63	29	21	25	1	

1) Approximately

Product features

- Touch DIM® light and presence sensor
- Can also be operated purely as a presence sensor
- Maximum signal line length: 10 m
- Maximum power input: 0.5 W
- Delay time: 15 min

Product benefits

- A setpoint for daylight-dependent control can be stored by double-clicking
- Operated via standard switches

Areas of application

- Single luminaires in office areas

Equipment / Accessories

- Suitable for up to 4 QT_i DALI ECGs or 4 HT_i DALI transformers or 4 OT_i DALI LED drivers

