luxCONTROL

Lighting management systems
Light at the right place, at the right time

We supply lighting management that provides a perfect combination of control system, sensors, control units and lamps. A complete Tridonic lighting solution system from a one-stop supplier, from the light source right through to the lighting management system.

Intelligent switching
SWITCH switching sensors for luminaire installation are the compact solution for the smart luminaire. They offer maximum convenience and optimum energy efficiency. The basic setting for the individually controlled luminaires is made directly on the sensor.

SMART Details from page 4 onwards

Light for every mood
An intelligent system solution like basicDIM features lighting control that takes into account the presence of users and ambient light. Besides being suitable for master/slave luminaires, this efficient system wins out in particular thanks to software-free installation. Complex spatial solutions can be implemented quickly and straightforwardly.

basicDIM Details from page 6 onwards

Convenient light
Simple, uncomplicated and flexible; these are the attributes needed to ensure maximum convenience on every floor of a building, and they are also the characteristics exemplified by comfortDIM. This DALI-based lighting management system concentrates on straightforward design, easy installation and flexible configuring.

comfortDIM Details from page 8 onwards

Innovative light
The lighting management solution connecDIM provides an excellent platform for smart, cost-effective and user-friendly control and lighting management from a few simple DALI devices up to a complex lighting system in a building or branches.

connecDIM Details from page 12 onwards
Switch sensors
Added value for luminaires

Switch sensors that automatically switch lighting depending on the presence of users and ambient light offer greater efficiency and more convenience. These sensors really come into their own when used in combination with the Tridonic corridorFUNCTION. This function makes it possible to switch up to 20 control units using just one sensor.

**smartSWITCH**

smartSWITCH is a presence detector that is installed in luminaires. You can use it to switch luminaires on or off automatically. Used together with the corridorFUNCTION, you can exploit potential energy savings even more efficiently. This sensor uses PIR technology to detect the presence of users through changes in heat sources. The light value and the switch-off delay can be set by means of two potentiometers at the back of the sensor. A simple mounting aid and a mirror for increasing the detection range are available.

**SWITCH sensor HF 5BP**

SWITCH sensor HF 5BP is a presence detector that is suitable for installation in luminaires. It uses radio-frequency technology to detect movement through frequency differences. This means that the sensor can detect movement through glass and thin materials (excluding metal). This sensor also offers potential energy savings when used with the corridorFUNCTION. It has a continuously adjustable range of 0.5 to 5 m.
At a glance

- Switching depending on the presence of users and ambient light
- Extremely easy commissioning
- Up to 20 LED driver can be switched using the corridorFUNCTION
- corridorFUNCTION offers various delay times, which can be programmed in software

The corridorFUNCTION – the smart way.
The corridorFUNCTION’s predefined profiles offer a suitable solution in any area. TALEXdriver PREMIUM make it possible to program the corridorFUNCTION individually.
basicDIM
Clever combination of daylight and artificial light to suit you

The three most important criteria that modern lighting management systems have to meet are visual comfort, suitability to the tasks being performed and energy efficiency – compactDIM supports all these. With just a small addition you can turn your luminaire into an intelligent system. Compact and with low stand-by losses, it will then save you energy.

basicDIM ILD – for individual floor-standing and pendant luminaires
Thanks to its small, compact in-built design, the basicDIM control unit is easy to install inside the luminaire. It is suitable for up to 10 DSI or DALI control units, and has two DALI/DSI output channels with an adjustable offset between channel 2 and channel 1.
It also saves energy: this is achieved by detecting ambient light and the presence of users. A pushbutton input and remote control are available as additional convenience for this controller. The maximum mounting height is five metres. Parameters can also be individually adjusted by using a basicDIM ILD programmer. For individual styling, a black sensor button in a metallic look is available in addition to a white version. There is also a version with a black sensor and a 1.8 m transparent cable for pendant luminaires with little space in the body of the luminaire.

basicDIM DGC – the independent solution for classrooms and offices with that certain extra something
basicDIM DGC is a digital control module with two output channels with an adjustable offset and an additional relay output. Up to 20 DSI or DALI LED drivers can be controlled. Up to four combined sensors for presence and ambient light measurement can be connected to the sensor input. Luminaire installation and ceiling installation versions are available.
For classrooms, one of four preprogrammed settings can be selected at the push of a button via the basicDIM DGC programmer and the additional switch output can be used for panel illumination.
If the device is used as a floor standing luminaire module, the relay output supports the Minergie standard. Thanks to the DALI input on the device the basicDIM DGC can be integrated and used in a light management system, for example for central lamp fault queries or on/off commands.
## At a glance

- Compact control module for installation in luminaire
- Presence and ambient light-based control
- Installed without any software
- For use with master/slave luminaires

<table>
<thead>
<tr>
<th>Product characteristics</th>
<th>basicDIM ILD</th>
<th>basicDIM DGC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation</td>
<td>Installed in luminaire</td>
<td>Installed in luminaire/ mounted on ceiling</td>
</tr>
<tr>
<td>Daylight, presence, remote control</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Mounting height 5 m</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>DSI/DALI broadcast</td>
<td></td>
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<tr>
<td>LED driver</td>
<td>2x5</td>
<td>2x10</td>
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<tr>
<td>Output channels</td>
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<td>2</td>
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<tr>
<td>Momentary-action switch inputs</td>
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<td>2</td>
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<tr>
<td>Standby</td>
<td>200mW</td>
<td>200mW</td>
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<tr>
<td>Relay</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>DALI input</td>
<td></td>
<td>Yes</td>
</tr>
</tbody>
</table>
comfortDIM
Comfortable lighting for unrestricted freedom

Our comfortDIM lighting management system is based on the twin principles of comfort and independence. Your projects benefit from simplicity and maximum flexibility from start to finish.

DALI TOUCHPANEL 02 and DALI x/e-touchPANEL 02
Touch panels
Operating DALI systems – Tridonic touch panels enable you to accomplish this conveniently via a static user interface. DALI TOUCHPANEL 02 has a keypad with user-selectable key functions for manually controlling lighting groups and lighting scenes. Alternatively, the colour temperature can be changed manually (Tunable White). It is programmed by using masterCONFIGURATOR software, which is available free of charge.

DALI TOUCHPANEL 02 and DALI x/e-touchPANEL 02
Touch panels
With the DALI x/e-touchPANEL 02 you can program groups and lighting moods and retrieve them via the graphical user interface. The panel also includes a sequencer which is used to automate calendar-controlled sequences. The daylight sequence function enables the colour temperature of the light to change automatically throughout the course of the day. The x/e-touchPANEL 02 can be remote controlled from a PC/tablet via the Ethernet interface at the back, or files can be downloaded from a PC/tablet or uploaded to the x/e-touchPANEL.

DALI XC
comfortDIM momentary-action switch module
Conventional momentary-action switches can be connected quickly and easily to the comfortDIM XC module. This gives you the option of customising the lighting and programming it via the free masterCONFIGURATOR software. These momentary-action switch modules are used to group luminaires together, define scenes and program macros. Tunable White also allows colour temperature variations.

DALI MSensor 02 and MSensor 5DPI 14
comfortDIM sensor with remote control
DALI MSensor 02 and MSensor 5DPI 14 both have combined light sensors (ambient light) and presence detectors (available as surface-mounted and recessed version). Remote control IR6 can be used to control and set the light values.
At a glance

- DALI-based lighting management
- Easy design
- User-friendly installation
- Flexible configuring

<table>
<thead>
<tr>
<th>Functionality</th>
<th>DALI TOUCHPANEL 02</th>
<th>DALI x/e-touchPANEL 02</th>
<th>DALI XC</th>
<th>DALI MSensor 02 5DPI 14f</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual group/scene control</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td></td>
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<tr>
<td>Automatic scene control (sequence)</td>
<td>■</td>
<td>■</td>
<td></td>
<td>■</td>
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<tr>
<td>Automatic daylight and presence control</td>
<td>■</td>
<td>■</td>
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<td>■</td>
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<tr>
<td>Convenient operation and programming</td>
<td>■</td>
<td>■</td>
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<tr>
<td>Comfortable configuration with a PC</td>
<td>■</td>
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</table>
Interf.aces and actuators
Interf.aces and actuators connect our lighting management systems with your world

With the unique comfortDIM system you can produce lighting solutions that offer impressive flexibility, ease of use and individuality. Our solutions can provide maximum protection for your investment and future-proof design.

DALI PS 1/PS 2
These allow a central supply unit which is optionally available for installation in switch cabinets (PS 2) or surface-mounted housings (PS 1).

DALI USB
The USB interface for connecting computers to DALI systems enables simple addressing and configuration of the DALI components with masterCONFIGURATOR software from Tridonic.

ready2mains™ gateway
The ready2mains gateway transfers the commands from the control unit onto the mains wiring. The simplest control is a push-button. For maximum energy savings daylight and presence sensors can also be connected. Additionally, the ready2mains installation can be integrated into DALI networks, e.g. to connect to a building management system.
DALI PCD 1–300 one4all
The 300 VA Leading-edge or trailing-edge phase dimmer for the comfortDIM system.

DALI PCD/S
The 1000 VA Leading-edge or trailing-edge phase dimmer for the comfortDIM system.

DALI 3-RM-C
The DALI control module for controlling up to three 24V standard contactors offers greater convenience. This ensures that different electronic loads can be switched by DALI commands.
connecDIM is Tridonic’s next generation distributed smart lighting management solution. This innovative lighting management solution provides an excellent platform for smart, cost-effective and user-friendly control and lighting management from a few simple DALI devices up to a complex lighting system in a building.

**connecDIM gateway**
The connecDIM Gateway links the DALI lines and enables interoperation between all DALI standard devices. Enables wireless control through a standard wifi-router with a iOS or Android device. Once connected to the internet, it uploads all lighting data to the connecDIM Cloud.

**connecDIM App’s**
- **connecDIM Lite**: App made for users to control their individual lights within the wifi-network.
- **connecDIM Architect**: App made for commissioning used by electrician/integrators and for maintenance.

**connecDIM Cloud**
A service accessible online round the clock from anywhere in the world. Remote monitoring of the site, astronomical schedule management, maintenance, emergency lighting tests, energy monitoring and offsite backup, global management and reporting.
**At a glance**

- Commissioning via tablet or smartphones
- connecDIM firmware updates via the Cloud
- Inexpensive solution using industrial standard hardware and internet technologies (DALI, TCP/IP)
- With one gateway, up to 4 DALI lines can be controlled
- No need for complex and expensive BMS servers in the building thanks to Cloud service

<table>
<thead>
<tr>
<th>Functionality</th>
<th>connecDIM Lite App</th>
<th>connecDIM Architect App</th>
<th>connecDIM Cloud</th>
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<tr>
<td>Convenient dimming/switching</td>
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<tr>
<td>Tunable White luminaires (colour control)</td>
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<tr>
<td>Central user management</td>
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<tr>
<td>QR code based light control</td>
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<tr>
<td>DALI Commissioning</td>
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<tr>
<td>DALI address finding wizard</td>
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<td>DALI Bridging Function</td>
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<tr>
<td>Multiply sites support</td>
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<td>Device history Information</td>
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<tr>
<td>Astronomical Schedule Management</td>
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<tr>
<td>Automated Emergency Testing &amp; Reporting</td>
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</table>
Close light

We attach great importance to a strong international presence – this allows us to stay sufficiently close to our customers.
Prepared for the Future
Our Activities and Locations

Around 1,700 employees throughout the world are committed to helping you with their know-how and creativity to create the perfect light.

With 27 branch offices on five continents we are there for you wherever you are in the world.

That’s how many patents and inventions testify to Tridonic’s extraordinary powers of innovation.

There are seven research and development centres in which new LEDs and networked lighting technologies are being developed.

There are three things you can rely on at Tridonic: optimum product quality, decades of expertise and our committed and flexible support.

For further information, data sheets, product catalogues and ordering details, please go to www.tridonic.com
Into a networked future with light.
Tridonic is paving the way for networking. We will show you how you can develop smart luminaires based on our intelligent technologies, and improve your business at the same time. Our 1,700 experts are working on five continents to set new standards in intelligent networked lighting and exploit the opportunities that the Internet of Things offers for the lighting industry. In addition to our component solutions we offer a new LED system platform which can take far beyond mere illumination.

We are taking light into a networked future. Come with us on this journey.

Supporting information and instruments:

- TALEX-LED product catalogue
- Data sheets at www.tridonic.com, under “Technical data”
- Product Solutions App productsolutions.tridonic.com

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