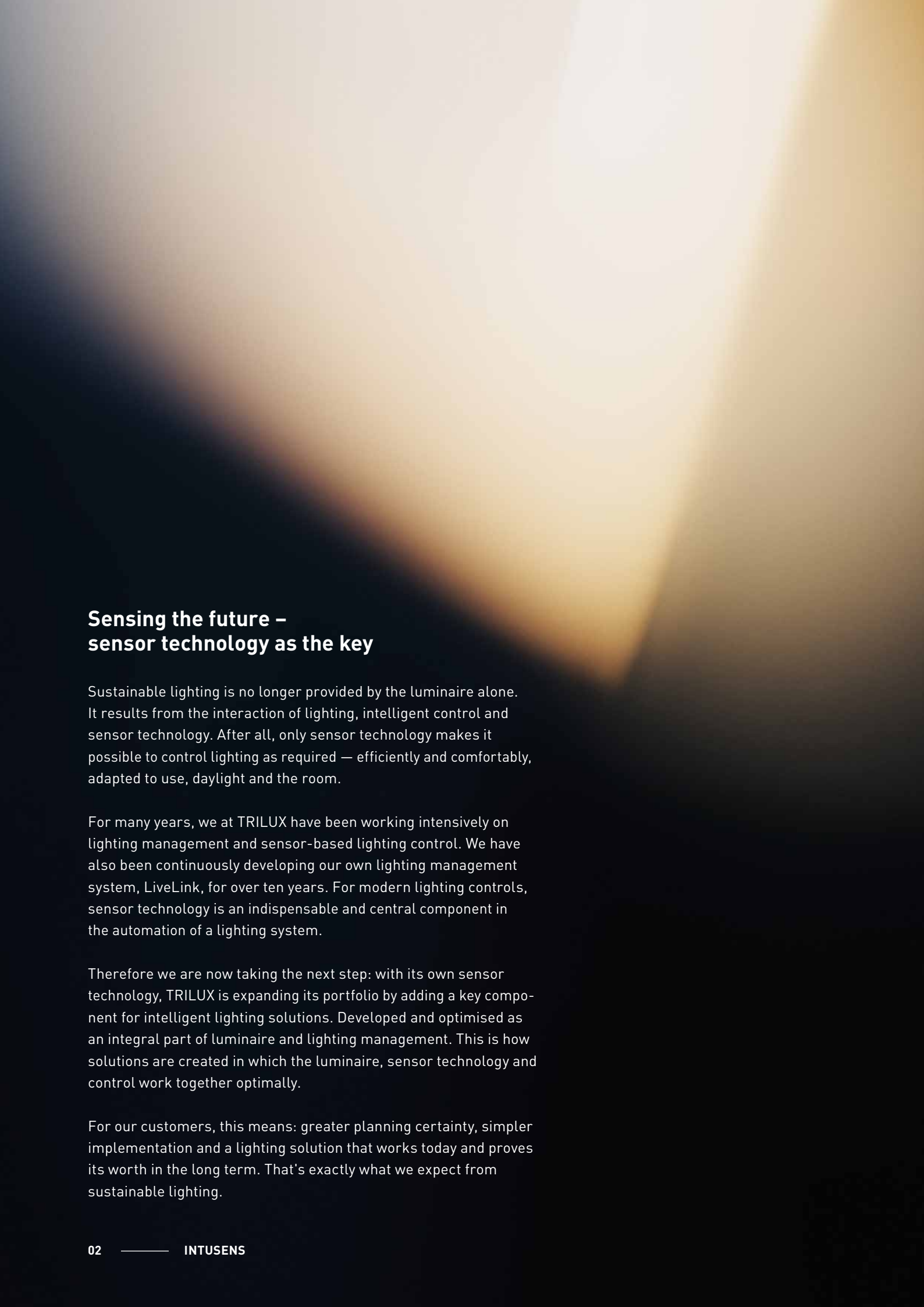
TRILUX



INTUSENS

The future of sensing begins now.



Sensing the future – sensor technology as the key

Sustainable lighting is no longer provided by the luminaire alone. It results from the interaction of lighting, intelligent control and sensor technology. After all, only sensor technology makes it possible to control lighting as required — efficiently and comfortably, adapted to use, daylight and the room.

For many years, we at TRILUX have been working intensively on lighting management and sensor-based lighting control. We have also been continuously developing our own lighting management system, LiveLink, for over ten years. For modern lighting controls, sensor technology is an indispensable and central component in the automation of a lighting system.

Therefore we are now taking the next step: with its own sensor technology, TRILUX is expanding its portfolio by adding a key component for intelligent lighting solutions. Developed and optimised as an integral part of luminaire and lighting management. This is how solutions are created in which the luminaire, sensor technology and control work together optimally.

For our customers, this means: greater planning certainty, simpler implementation and a lighting solution that works today and proves its worth in the long term. That's exactly what we expect from sustainable lighting.

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We see lighting as a
networked systems solution.





TRILUX lighting solutions with system and responsibility

For more than a century, high-quality materials, in-house-developed optics and solid lighting-engineering expertise have been at the centre of our work. Our aim is to create lighting that is functionally convincing, efficient in operation and proven in everyday use – for industry, offices, education, retail and outdoor areas.

We always consider modern lighting solutions holistically: luminaires, lighting management and sensors form a system. By expanding our portfolio to include our own sensors, we are consistently strengthening this approach and laying the foundation for intelligent, networked and future-proof lighting solutions.

In addition to high-performance products, we provide comprehensive support throughout the entire project lifecycle – from consultancy and planning, through installation and commissioning, to maintenance, operation and optimisation. This is how we provide one-stop solutions and a seamless project process that our customers can rely on in the long term.

The new TRILUX sensor. And here's the scale.

For light that is precisely controlled.
For installations that run faster.
For projects that simply work.

No tech overkill.
No unnecessary complexity.
But a genuine TRILUX promise:
Simplify Your Light.



IntuSens. The future of sensing begins now.

Strengths that matter in everyday life

IntuSens combines sensor technology, design and system intelligence in a single product – for diverse requirements and efficient lighting control throughout the project.
The sensor that thinks ahead – from the very first click.



Click. Turn. Done!



CLICK
TURN
READY!

Innovation in commissioning.

Tool-free – no app, no remote control.
No fiddling, no readjusting.
For Switch and DALI-2 Broadcast, a definite click, a turn – and you know: it's in place.

This is how quality should feel.
That's how you save time on the building site.
And that's exactly why we built it that way.

A sensor. Many possibilities.

Not every project is the same.
IntuSens is prepared for it.

From simple light switching via Switch **through DALI-2 Broadcast and DALI-2 Input Device up to Bluetooth® NLC –** the IntuSens portfolio is tailored to a wide range of applications and is suitable for mounting heights of up to 18 metres.





Time is a luxury. Time is money.

IntuSens is designed for everyday use on the building site.
Quick to assemble. Set to intuitive.
Fewer follow-up questions. Less rework.

You can hardly see it. Looks good.

For a long time, sensors were just technology.
IntuSens is design.

Reduced. High quality. Sure.
Designed to blend into modern ceilings – not to intrude on them.

A sensor that goes unnoticed.
Apart from its good design.

Standard colours

White
RAL 9016

black 05
(RAL 9005)

FROM SIMPLE SWITCHING TO NETWORKING.

A system for a wide range of control options.

Different applications place different demands on lighting control: sometimes it's about simple switching, sometimes group dimming, sometimes daylight-dependent lighting control, or maximum flexibility when retrofitting. IntuSens provides the appropriate sensor solution for each of these control tasks – tailored to the use, the building and the scale of the project.

THE FUNCTIONAL SOLUTION FOR SIMPLE LIGHT SWITCHING

IntuSens Switch

IntuSens Switch is the right choice for installations in which luminaires are switched directly and no central lighting management solution is required. The sensor switches the light on when it detects movement and/or presence, and switches it off again automatically once the delay time has elapsed – without any dimming or complex settings. A light switch with a threshold setting is also fitted; this checks whether there is sufficient daylight.

The minimal planning and installation effort required makes this solution particularly robust and cost-effective. Ideal for functional applications where the main aim is to avoid unnecessary switched-on times and save energy.

Suitable for: individual rooms with a switching group, e.g. small offices, meeting rooms, toilet facilities, plant rooms or storage rooms.

SHARED LIGHTING CONTROL WITHOUT INDIVIDUAL ADDRESSING

IntuSens DALI-2 Broadcast

IntuSens DALI-2 broadcast sensors control all connected luminaires collectively. Occupancy and daylight values are sent as 1-channel broadcast commands – completely without addressing individual luminaires or groups.

This significantly reduces planning and commissioning effort and provides a reliable, standards-compliant solution for areas with homogeneous lighting requirements.

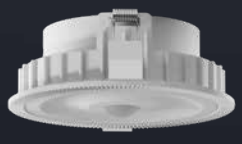
Ideal for private offices, open-plan offices, meeting rooms, corridors, WCs and high-bay warehouses.

Variants of the IntuSens sensors

Low Bay	High bay	High Bay Corridor
2–5M	5–18M	5–18M



Ceiling surface-mounted



Installed in ceiling



INDIVIDUAL LIGHTING CONTROL FOR ZONED APPLICATIONS

IntuSens DALI-2 Input Device

As DALI-2 input devices, IntuSens sensors provide precise occupancy and illuminance values to the lighting management system. In combination with LiveLink, luminaires can be grouped, zoned into scenes, or integrated into constant-light control systems.

This results in flexible, scalable lighting solutions with a high level of comfort and optimal energy efficiency – suitable for demanding projects with changing requirements.

Ideal for open-plan offices, meeting rooms, classrooms, corridors, high-bay warehouses and sports halls.

WIRELESS LIGHTING CONTROL FOR MAXIMUM FLEXIBILITY

IntuSens Bluetooth NLC

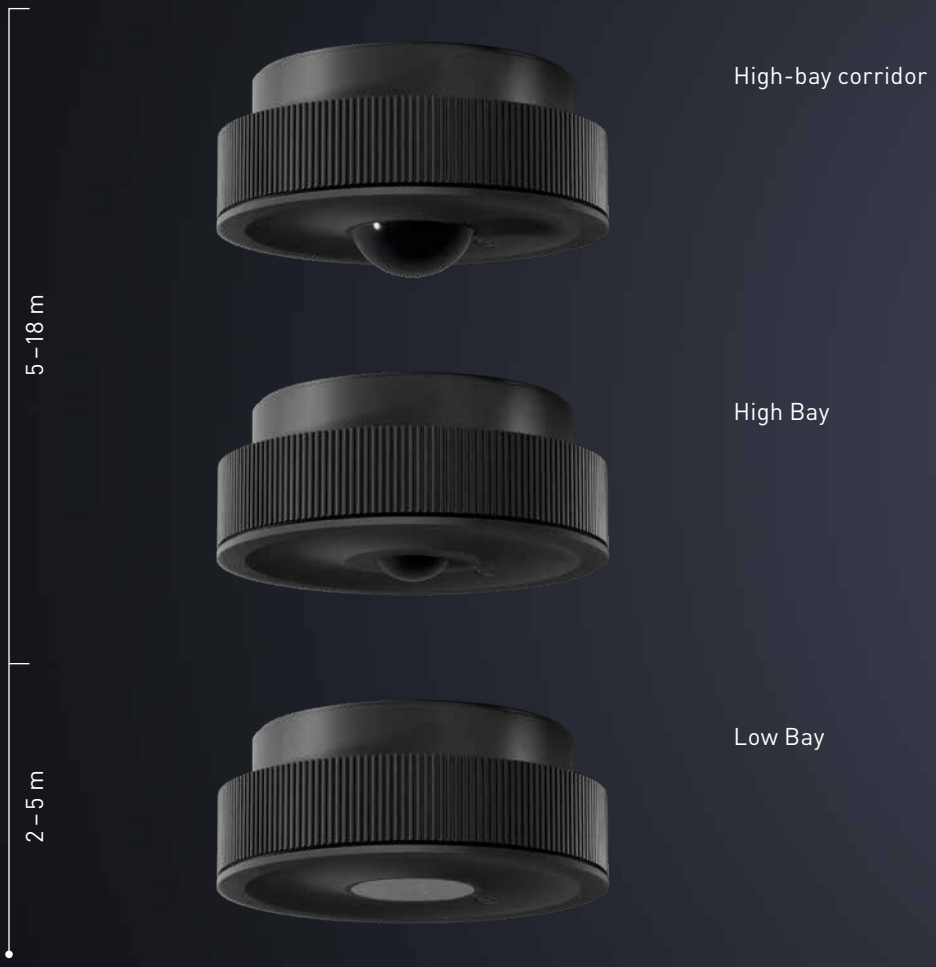
IntuSens Bluetooth NLC sensors are ideal wherever wiring is complex or not feasible. Communication is wireless via Bluetooth; setup is quick and convenient via the app.

Via the TRILUX wireless gateway, Bluetooth NLC components can be integrated into the DALI-2-based lighting management system LiveLink Premium. This is how flexible, extendable lighting solutions are created with minimal intervention in the fabric of the building.

Ideal for open-plan offices, meeting rooms, classrooms and corridors.

Sensor technology for every room situation

IntuSens sensors provide the right solution for a wide range of applications – from low-bay to high-bay mounting heights, in recessed and surface-mounted versions, and with radial or tangential detection. This allows planners to tailor the sensing precisely to room geometry, mounting height and detection requirements.



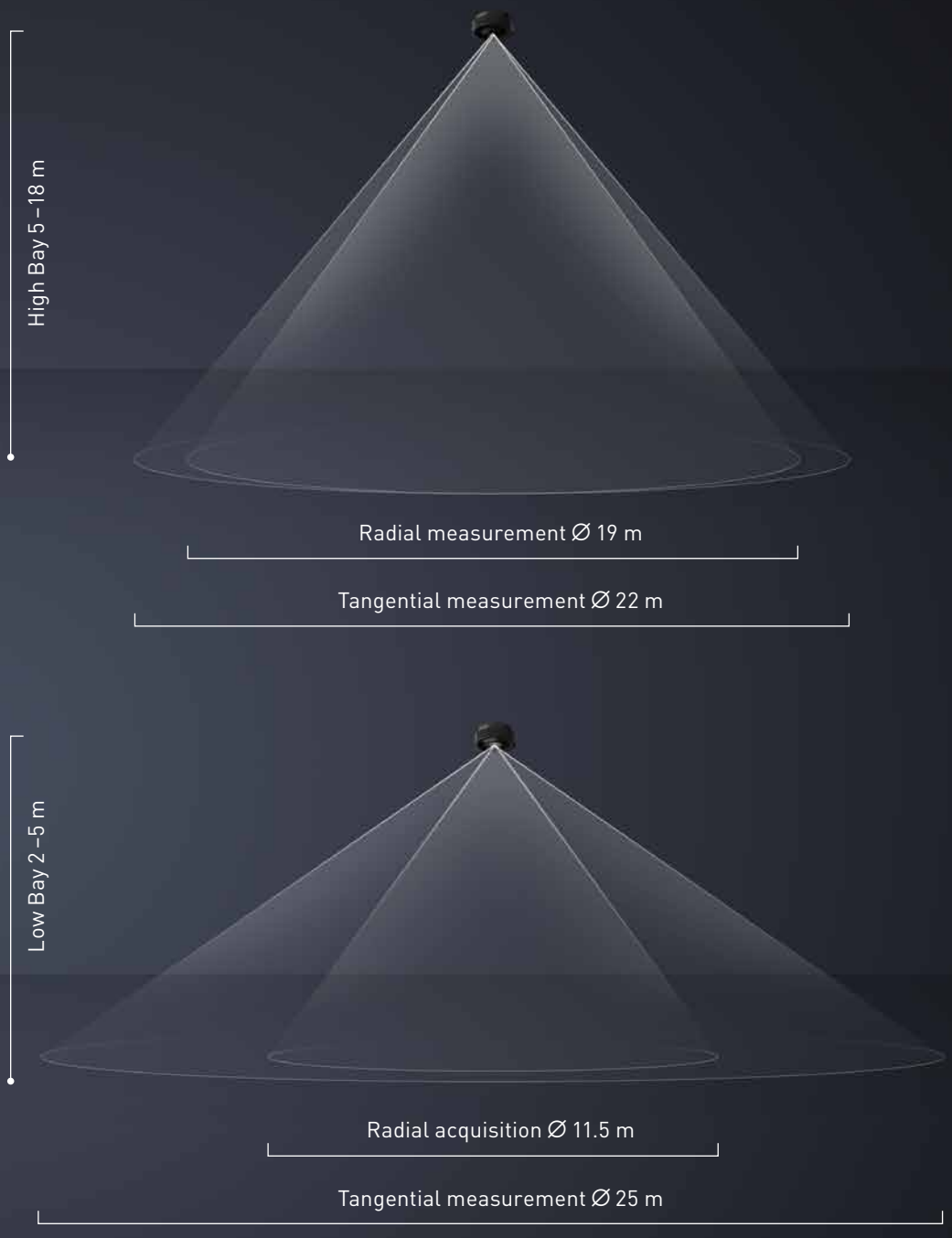
CORRECT CEILING HEIGHT

Low Bay to High Bay

The appropriate selection and positioning of the sensor is crucial to ensure that the light remains safely on and automatically again switches off when no one is present. IntuSens sensors are suited to various mounting heights of 2 – 18 m.For reliable use – from the office to the factory floor.



Installation options
Options for flush mounting. For particularly steady and clear ceiling images.



FOR RANGE AND TRAVERSAL

Tangential acquisition

With tangential detection, the sensor detects movements across the detection field particularly reliably. This allows larger areas to be monitored safely – ideal for applications where people pass alongside the sensor.

FOR PRESENCE AND SMALL MOVEMENTS

Radial acquisition

With radial detection, the sensor detects movements towards the sensor particularly reliably. This allows even subtle movements to be detected reliably – ideal for applications in which people are present in the room for extended periods.



TRILUX SENSORS FOR PRESENCE AND MOVEMENT DETECTION

Reliable sensing as the basis for intelligent lighting control

TRILUX sensors for presence and motion detection are specifically designed to meet the requirements of professional lighting in commercial environments. Whether for an office workstation with the subtlest movements or for industrial and logistics environments with large-scale, directional movement – our sensor technology is tailored to the respective usage scenarios. The result is lighting control that's tailored to the application and consistently complements our lighting-engineering expertise.

Practical and energy-efficient
Thanks to their individually adjustable run-on times, our presence and motion detectors enable demand-based lighting control. Depending on usage and settings, energy can be saved in a targeted way without compromising comfort. The appropriate selection and positioning of the sensor ensures reliable detection – radial or tangential – for a range of applications.

PASSIVE INFRARED (PIR)

Proven technology at TRILUX

All IntuSens presence and motion detectors from TRILUX are based on the same proven passive infrared (PIR) technology. PIR sensors detect the thermal radiation emitted by people and respond to changes within the detection area.

Our sensors operate passively – they do not transmit any signal of their own, but instead they analyse the infrared radiation from the environment.

If a heat source moves from one detection segment to another, this is recognised as motion and passed on to the lighting control. A prerequisite is an unobstructed line of sight between the sensor and the person.

With different optics and detection fields, our PIR sensors are ideally suited to any project.



Sensor technology for luminaire integration and surface mounting

Whether it's the discreet integration into new light fittings or the simple retrofitting of existing lighting – TRILUX sensor technology makes it possible. Standardised interfaces, compact sensor modules as well as wired and wireless systems thereby mesh seamlessly and can be deployed precisely in the project.



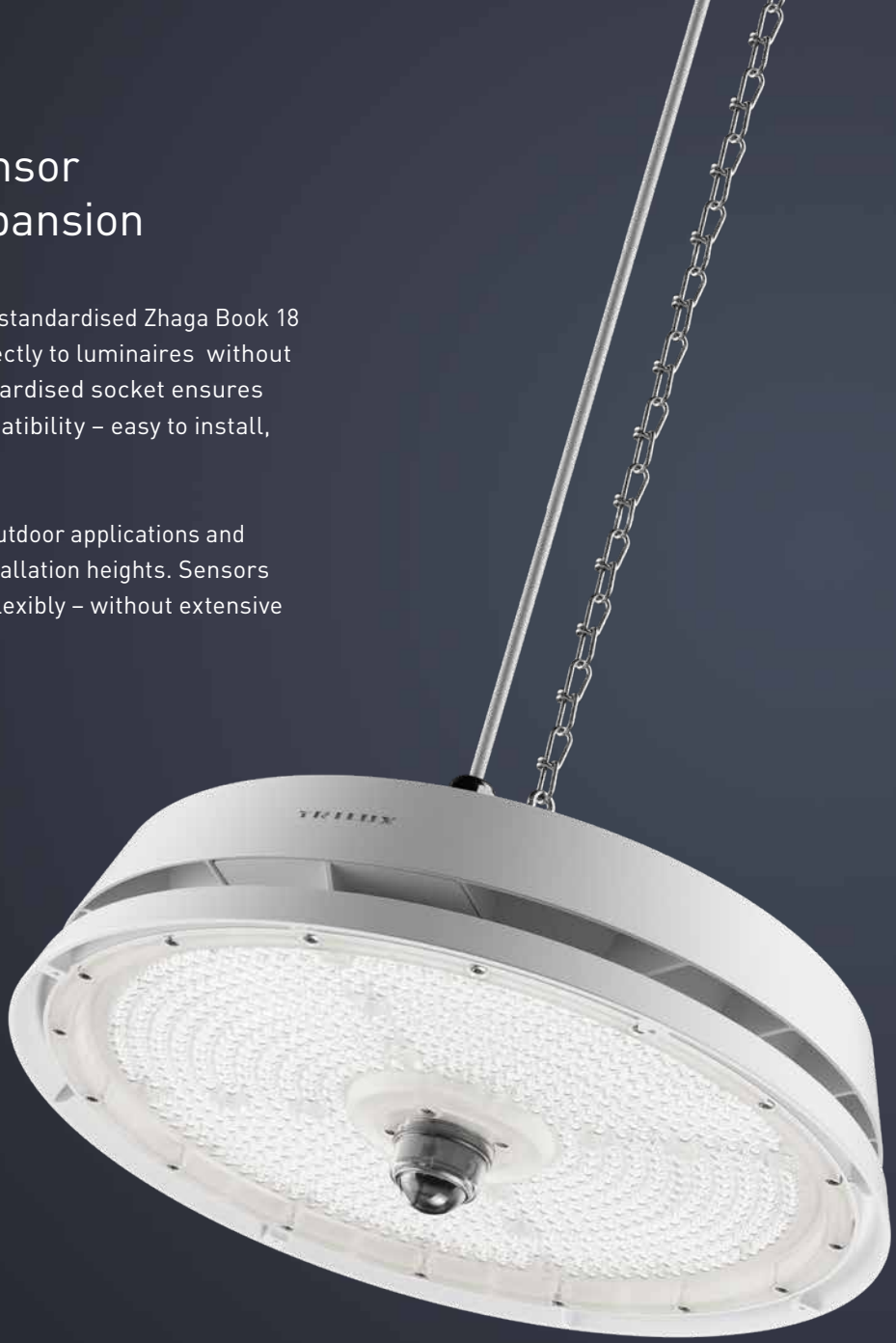


High-bay luminaire Mirona Fit R
in combination with
IntuSens Zhaga Book 18

Plug-and-play sensor technology for expansion

IntuSens Zhaga Book 18 uses the standardised Zhaga Book 18 interface to connect sensors directly to luminaires without any additional wiring. The standardised socket ensures mechanical and electrical compatibility – easy to install, ready for immediate use.

The solution is suitable for both outdoor applications and industrial interiors with large installation heights. Sensors can be retrofitted and replaced flexibly – without extensive reinstallation.



Explanations
DALI-2 Broadcast, DALI-2 Input Device, Bluetooth NLC and Casambi, each available as High Bay and High Bay Corridor variants.

Benefits at a glance
- Without additional wiring
- Standardised, future-proof interface
- Easy retrofitting and replacement of sensors
- Suitable for indoor and outdoor applications
- Protection class IP 66

Subtle integration into the lighting design.

IntuSens MiniR and MiniS, as well as IntuSens Rail, are the right choice when sensors need to be integrated as unobtrusively as possible into a linear lighting system or the Rail power-track system. They are either factory-fitted when ordered or can be retrofitted into existing installations afterwards with minimal effort using modules available separately.

As DALI-2 input devices, the mini sensors offer the full functionality of modern lighting control and are ideal for industrial applications with high ceilings as well as for architecturally sophisticated lighting solutions in offices and administrative buildings.



MiniR in combination with the E-Line Pro

Variants
MiniR LI DALI-2 Input Device as a High Bay sensor, MiniS LI DALI-2 Input Device as a Low Bay sensor, each available in different colour variants.

Rail DALI-2 Input Device as a low-bay sensor in white or black.

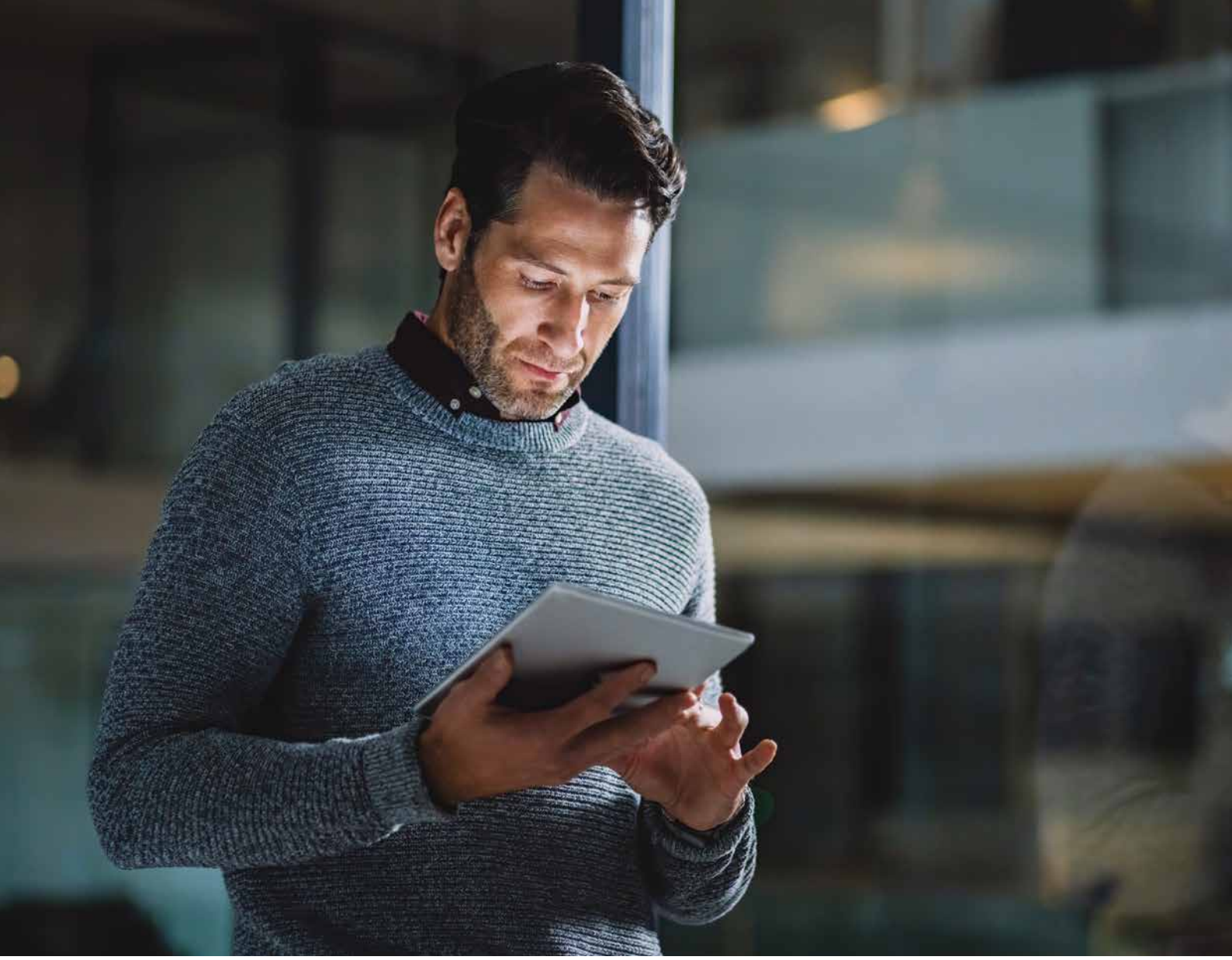
Benefits at a glance
- Very compact design for unobtrusive integration
- Full DALI-2 input device functionality
- LiveLink ready – for intelligent, connected lighting control



Zhaga Book 18 in combination with the E-Line Pro



MiniS in combination with the E-Line Pro

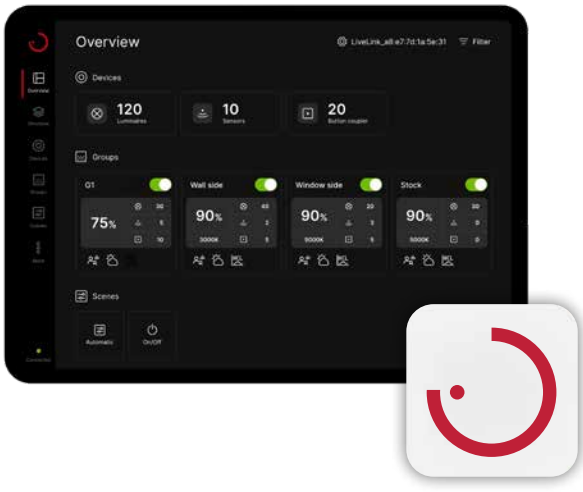


LIVELINK LIGHT MANAGEMENT

When intelligence comes to light

LiveLink is the TRILUX light management system for the intelligent control of networked lighting systems. It connects luminaires, sensors and controls into a seamless system – scalable and easy to use.

In combination with IntuSens sensors, LiveLink provides demand-driven lighting control, high energy efficiency and noticeable comfort – from a single room to a complex project. At the same time, IntuSens sensors are designed to be open and compatible with all DALI-2-based lighting management systems. This keeps you flexible in your choice of system – today and in the future.





When light becomes part of the building: LiveLink fully integrates lighting into building automation – open, scalable and interoperable across systems.



With LiveLink you opt for a perfectly coordinated system solution from TRILUX. Our experts will support you from planning through to commissioning and are happy to demonstrate the capabilities of LiveLink to you in person.

Get a system, a logic – and full control.

Further information about LiveLink can be found on our website.
www.trilux.com/livelink

The right sensor technology for every outdoor application.

Outdoor lighting is a long-term investment. At the same time, requirements change over the years – through new uses, changing traffic volumes or rising demands for energy efficiency and sustainability.

With intelligent sensor solutions, TRILUX lays the foundation for needs-based, future-proof outdoor lighting. Whether discreetly integrated built-in sensors or flexibly retrofittable Zhaga Book 18 sensors – the solutions adapt to a variety of applications and offer maximum flexibility for current and future requirements.



Sustainably managed outdoor lighting

IntuSens sensors can be factory-fitted almost invisibly into outdoor luminaires, or easily retrofitted via the standardised Zhaga Book 18 interface. Factory integration offers advantages, especially at low mounting heights: the luminaire design remains unchanged while reliable motion detection is ensured. Thanks to DALI-2 standardisation, IntuSens sensors are compatible with various lighting management systems and can be used flexibly. The collected motion data allow for demand-based lighting control, reduce energy consumption, enhance safety and extend the lifespan of the lighting system. At the same time, the modular design ensures that the system can be easily expanded or adapted to changing requirements. This makes outdoor lighting not only efficient, but sustainable and future-proof.





Jovie IQ
with two standardised Zhaga interfaces

Benefits at a glance

- Factory-fitted, virtually invisible built-in sensors or Plug&Play integration via standardised Zhaga Book 18 interfaces.
- Easy retrofit of existing Smart-Lighting-Ready luminaires (SLR)
- Demand-based lighting control for increased efficiency and safety
- Modular and future-proof for long life cycles

Examples of use





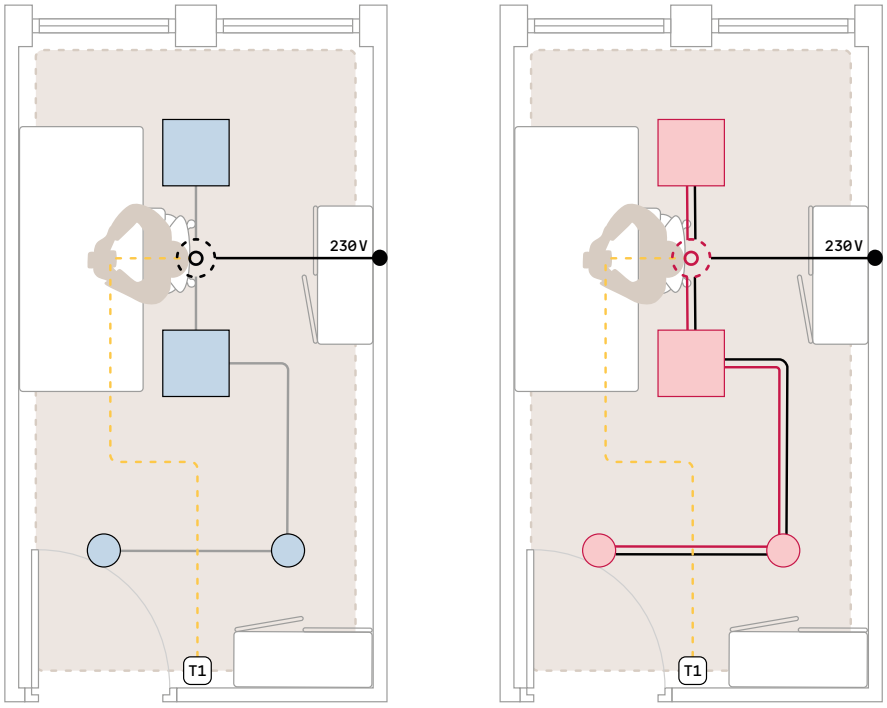
Each room has its own requirements for lighting control. Use, mounting height, movement patterns and daylight conditions determine which sensors are most appropriate. IntuSens sensors are tailored to a wide range of commercial applications – from individual offices to industrial halls. This produces light that works exactly where it's needed.



LOCATIONS

Private office

The versatile use of private offices, from focused screen work and short meetings to periods of absence, makes both personalised lighting settings and an automatic, energy-efficient switch-off indispensable. In view of the often minimal movement during focused work, sensors are required that reliably detect even the slightest movements and thus enable maximum savings.



Schematic diagram illustrating the principle. Supply, protection and execution are project-specific.

Switch – the entry-level solution for automation

- Relay controller (1 switching output)
- Threshold switch using a light sensor
- Presence and motion detection
- Push-button control (On/Off)

DALI-2 Broadcast – the energy saver

- 1-channel DALI-2 broadcast controller
- Daylight-dependent control
- Presence and motion detection
- Push-button control (On/Off/Dim)

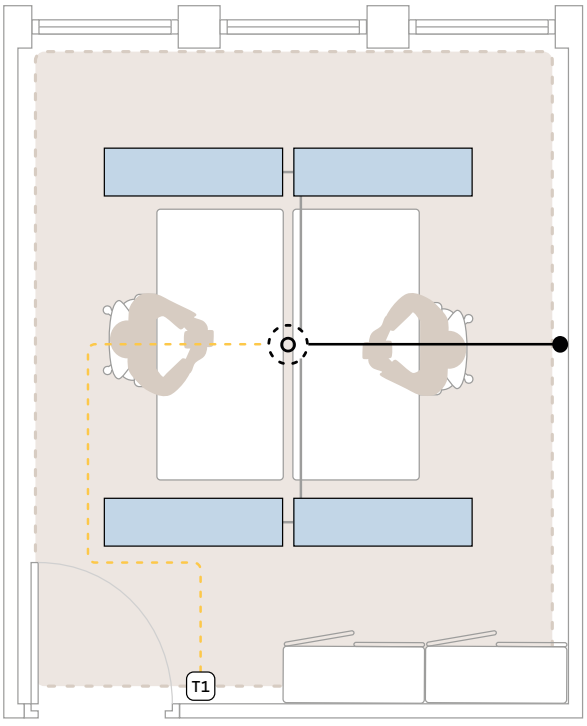
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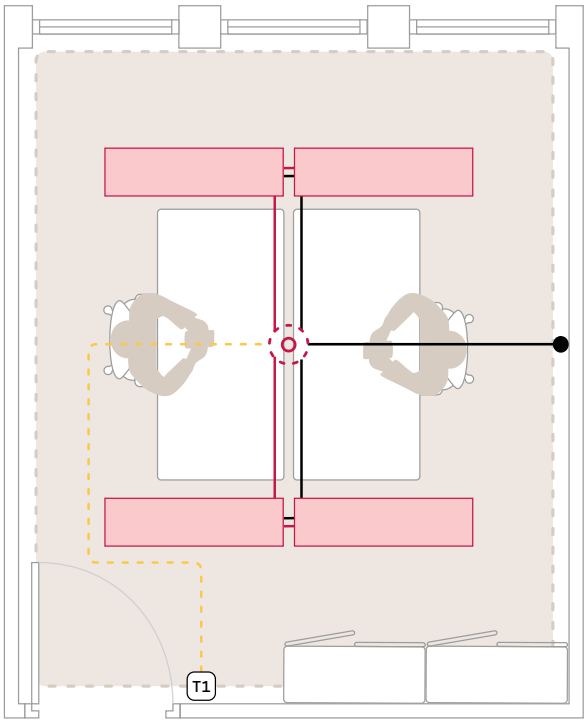


DEPLOYMENT LOCATIONS

two-person office

As in a private office, the challenges mainly arise from varying patterns of use, from focused screen-based work to lively discussions. Temporary absences offer significant savings potential. Automatic switching prevents unnecessary operation, and DALI sensors enable pleasant, energy-efficient control of light levels.





Switch – the entry-level solution for automation

- Relay control (1 switching output)
- Threshold switch using light sensor
- Presence and motion detection
- Push-button control (On/Off)

DALI-2 Broadcast – the energy saver

- 1-channel DALI-2 broadcast controller
- Daylight-dependent control
- Presence and motion detection
- Push-button control (On/Off/Dim)

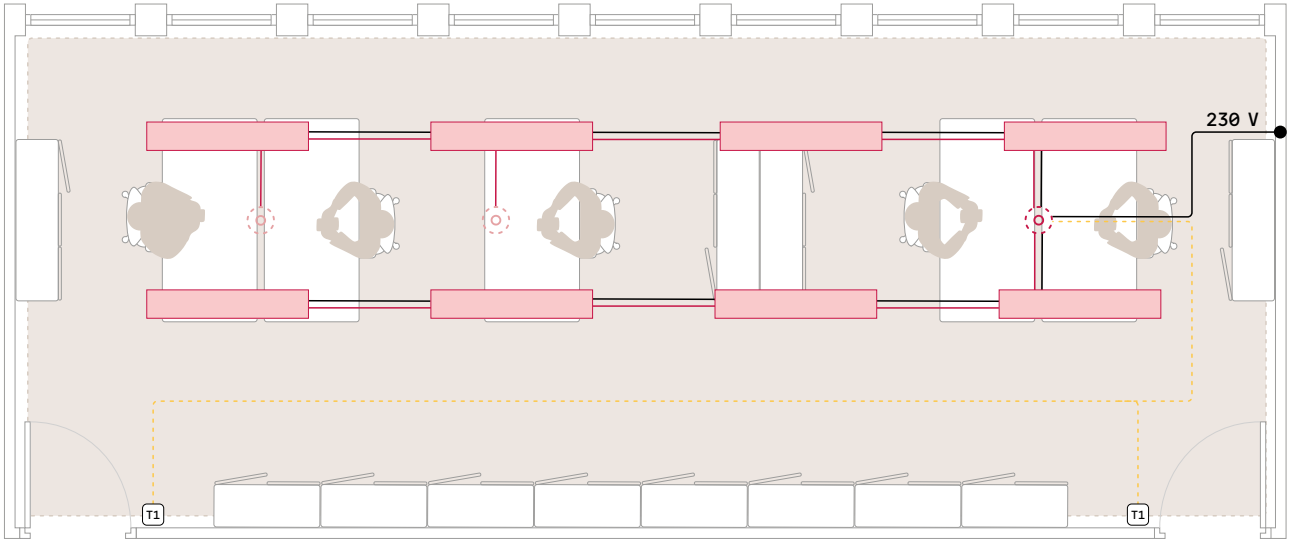
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LOCATIONS

Open-plan office – Broadcast

Open areas with frequently changing occupancy and occasionally unoccupied workstations require reliable presence detection. DALI-2 broadcast sensors provide convenient basic light settings and automatically dim unoccupied areas, energy-efficiently and without creating dark zones in the open-plan office. DALI-2 Broadcast and DALI-2 Input Devices work together to make it easy to extend the detection area. Simple to use: click, twist, done!



DALI-2 Broadcast – the energy saver

- 1-channel DALI-2 broadcast controller (everything switches and is controlled together)
- Daylight-dependent control
- Presence and movement detection
- Push-button control (On/Off/Dim)

DALI
230 V – permanent live
Control cable (optional)
Sensor DALI Broadcast
Sensor DALI Input Device
DALI Luminaire

Schematic diagram illustrating the principle. Supply, protection and execution are project-specific.

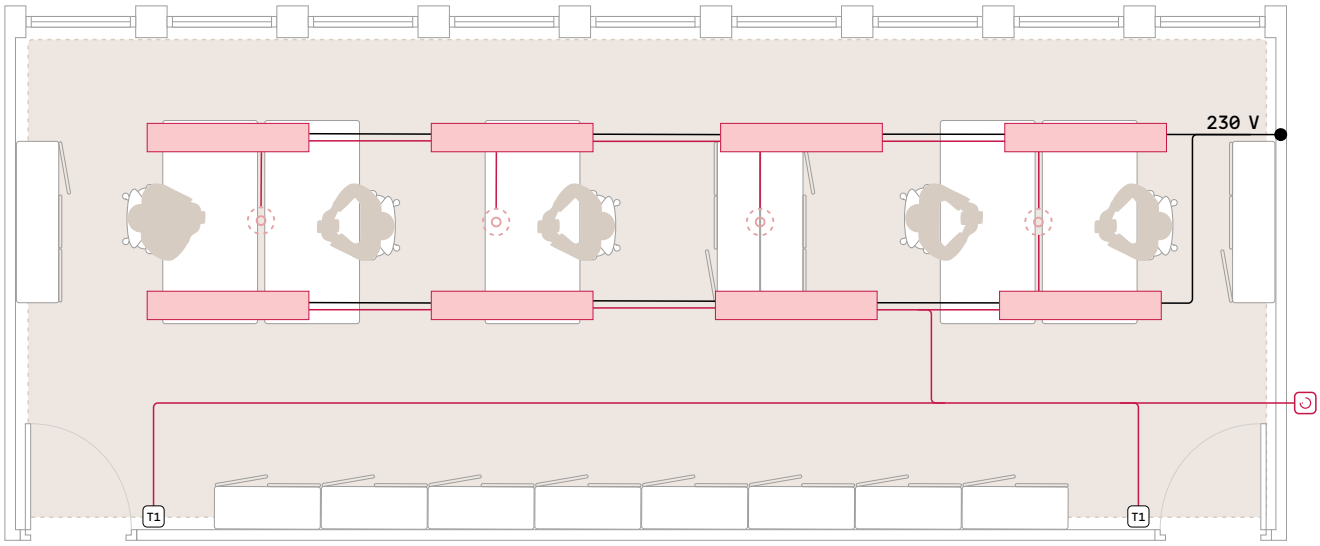
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LOCATIONS

Open-plan office – Addressed

With addressed control using DALI-2 Input Device sensors, work areas, pathways and meeting zones can be controlled either in groups or individually. Occupied zones are selectively brightened and unoccupied zones gently dimmed, providing comfort, energy efficiency and no harsh light-dark contrasts. Groups, zones and scenes are configured via software and can be adjusted at any time when layouts change, without any changes to the wiring.



LiveLink – the multiroom solution

- Addressable DALI-2 control in conjunction with IntuSens DALI-2 Input Device Sensor
- Multi-room solution, a control system for full flexibility (networkable groups)
- Daylight-dependent control
- Presence and motion detection
- Push-button control (Scene/On/Off/Dim)

DALI
230 V – permanent live
Sensor DALI Input Device
DALI luminaire
DALI-2 system e.g. LiveLink Premium

Schematic diagram illustrating the principle. Supply, protection and execution are project-specific.

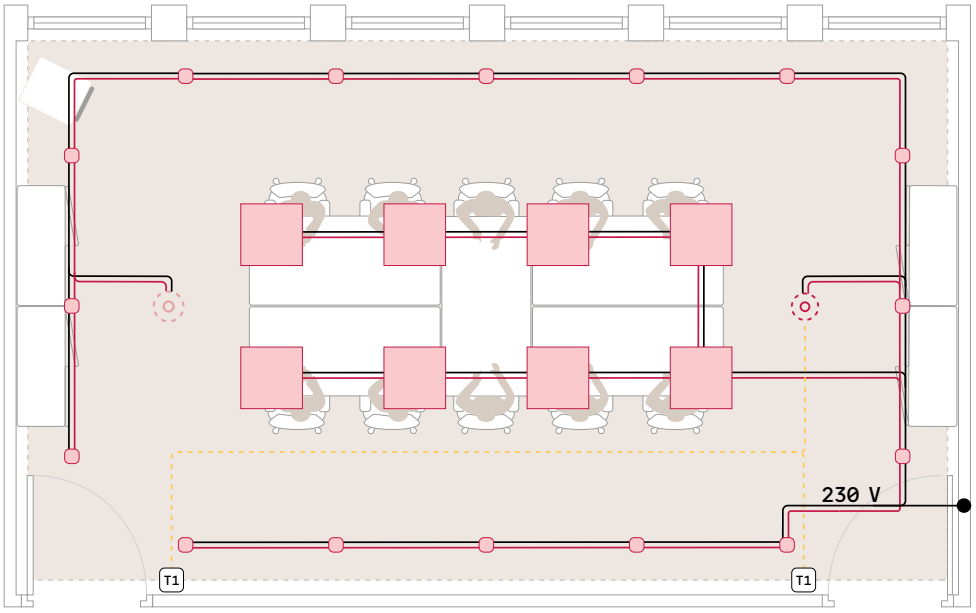
→ Technical data from **page 45.**



DEPLOYMENT LOCATIONS

Meeting room

Meeting rooms are only used temporarily, ideal for occupancy- and motion-based control with IntuSens. Via DALI-2 Broadcast, the luminaires switch on and off fully automatically. A manual override via a push-button is possible at any time, allowing spontaneous responses to presentations, workshops or creative phases.



DALI-2 Broadcast – the energy saver

- 1-channel DALI-2 broadcast control (everything switches and dims together)
- Daylight-dependent control
- Presence and motion detection
- Push-button control (On/Off/Dim)

DALI
230 V – permanent live
Control cable (optional)
DALI broadcast sensor
DALI input device sensor
DALI luminaire

Schematic diagram illustrating the principle. Supply, protection and execution are project-specific.

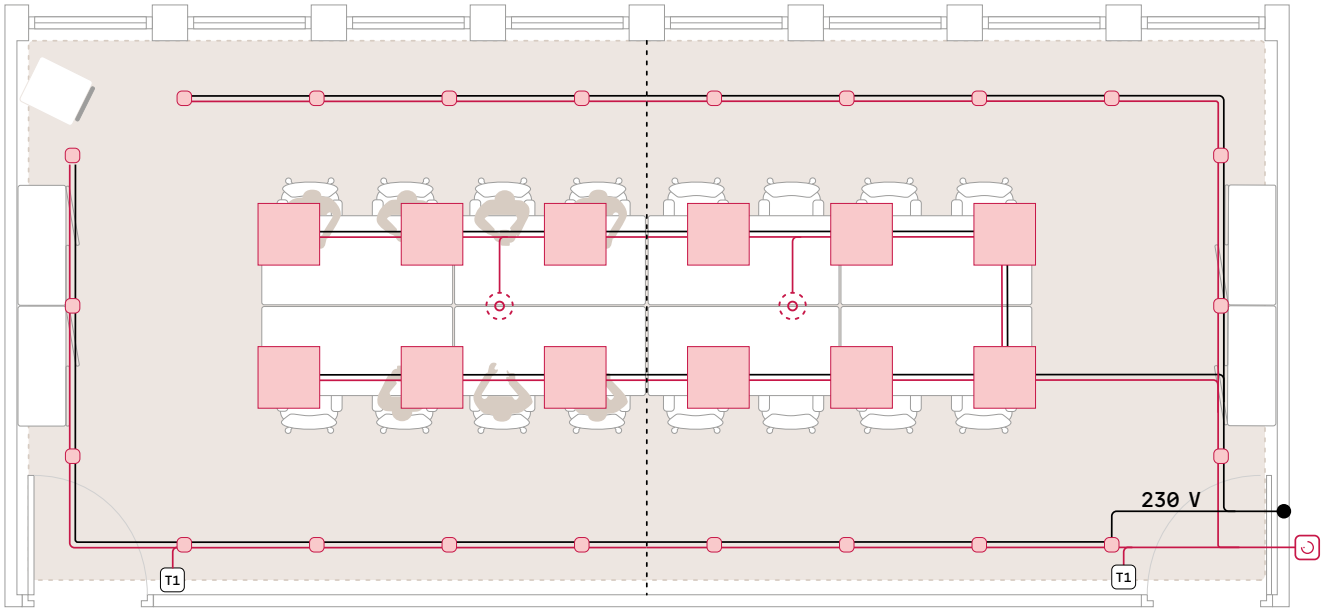
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LOCATIONS

conference room

Conference rooms with variable occupancy and optional partition walls benefit from addressable control with DALI-2 IPD sensors. Groups and zones can be defined flexibly, scenes for different settings stored, and automatically recalled when presence is detected. Fully or semi-automatic versions are available, depending on requirements. Manual operation is guaranteed at all times via the integrated push-button interface.



LiveLink – the Multiroom solution

- Addressable DALI-2 controller in conjunction with IntuSens DALI-2 Input Device Sensor
- Multiroom solution, a control system for full flexibility (different scenes and groups, lighting as required)
- Daylight-dependent control
- Presence and motion detection
- Push-button control (scene/on/off/dim)

DALI
230 V – permanent live
Sensor DALI broadcast
DALI luminaire
DALI-2 system e.g. LiveLink Premium

Schematic diagram illustrating the principle. Supply, protection and execution are project-specific.

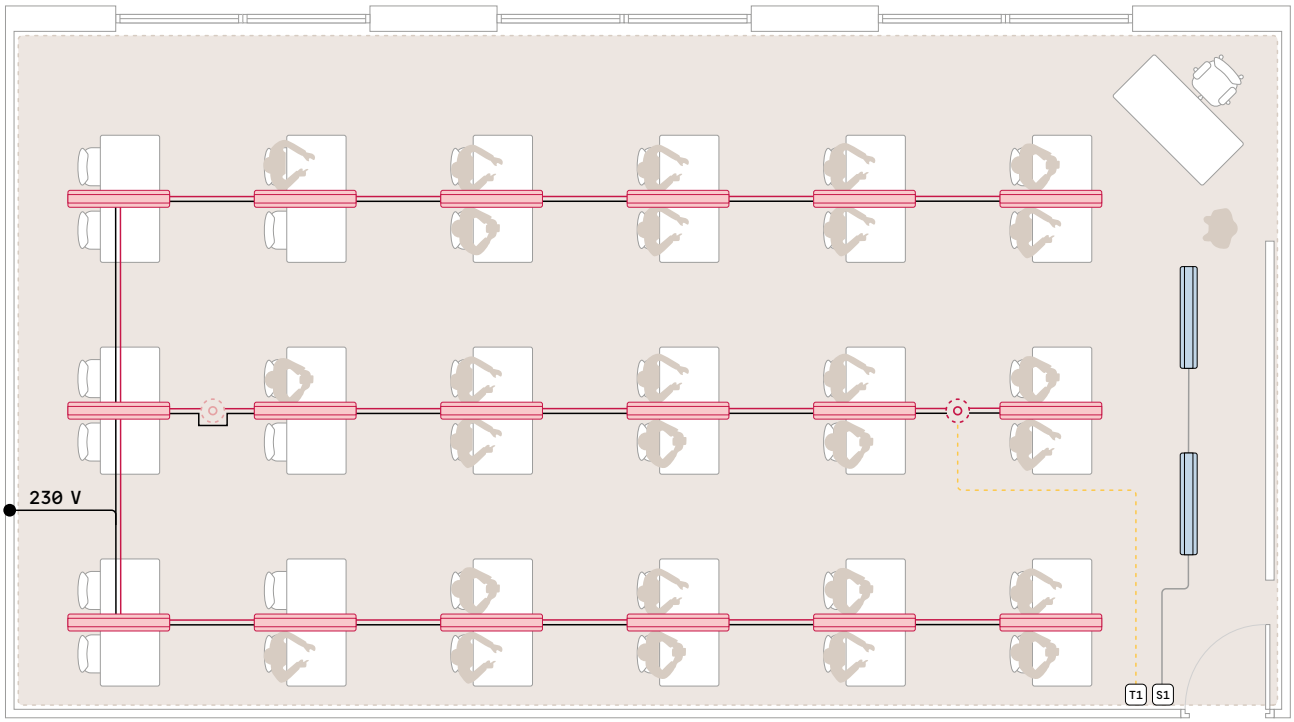
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LOCATIONS

Classroom – Broadcast

Classrooms often feature dimmable general lighting and separately switched board lighting. The IntuSens DALI-2 Broadcast enables a user-centred, straightforward solution. The generallighting operates fully automatically with daylight-dependent constant light control as well as presence/motion detection. The board lighting is operated by a conventional switch.



DALI
230 V – switched (L')
230 V – permanent live
control cable (optional)
DALI broadcast sensor
DALI input device sensor
DALI luminaire
switchable luminaire

Schematic diagram illustrating the principle. Supply, protection and execution are project-specific.

DALI-2 Broadcast – Combination

- Constant lighting control for general lighting
- Presence and motion detection
- Push-button control (On/Off/Dim)
- Fully and semi-automatic operation
- Blackboard lighting via a conventional switch

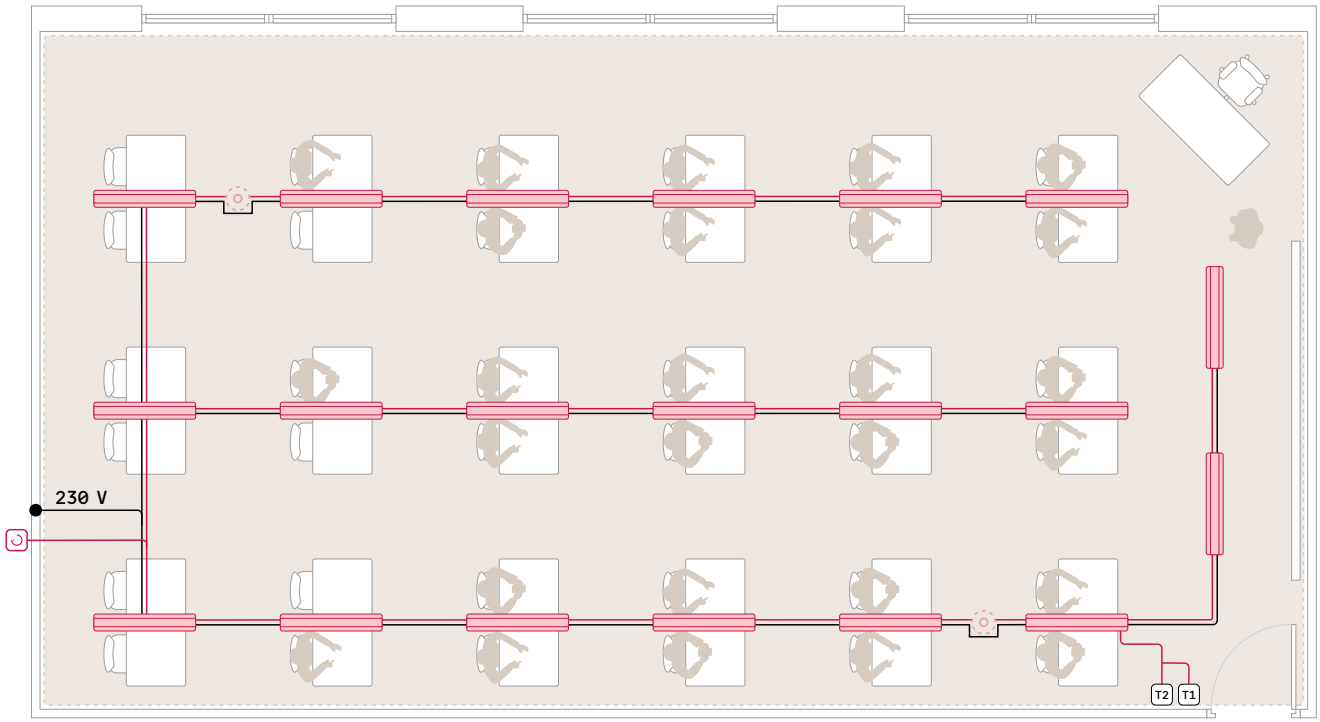
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DEPLOYMENT LOCATIONS

Classroom – Addressed

In classrooms with a lateral bank of windows (often on the left when facing forward), a daylight-linked control is ideal, especially if the rows of lights can be dimmed independently. With addressable IntuSens DALI-2-IPD sensors, the window and wall sides are controlled according to demand. Occupied areas remain comfortably bright, while the ambient lighting near the façade is automatically dimmed. Scenes such as board/presentation mode can also be saved, as can absence dimming.



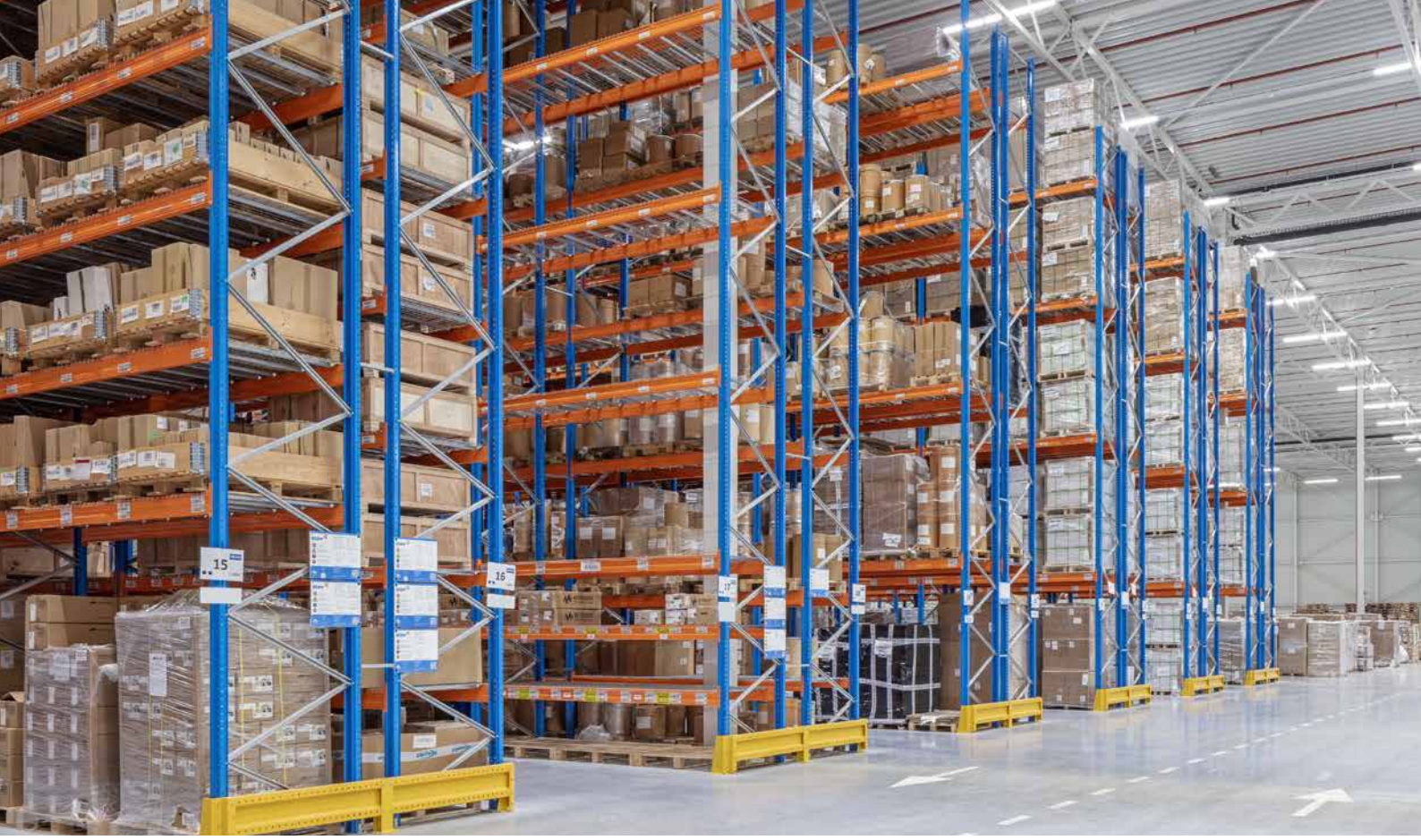
LiveLink – zone-based constant light control

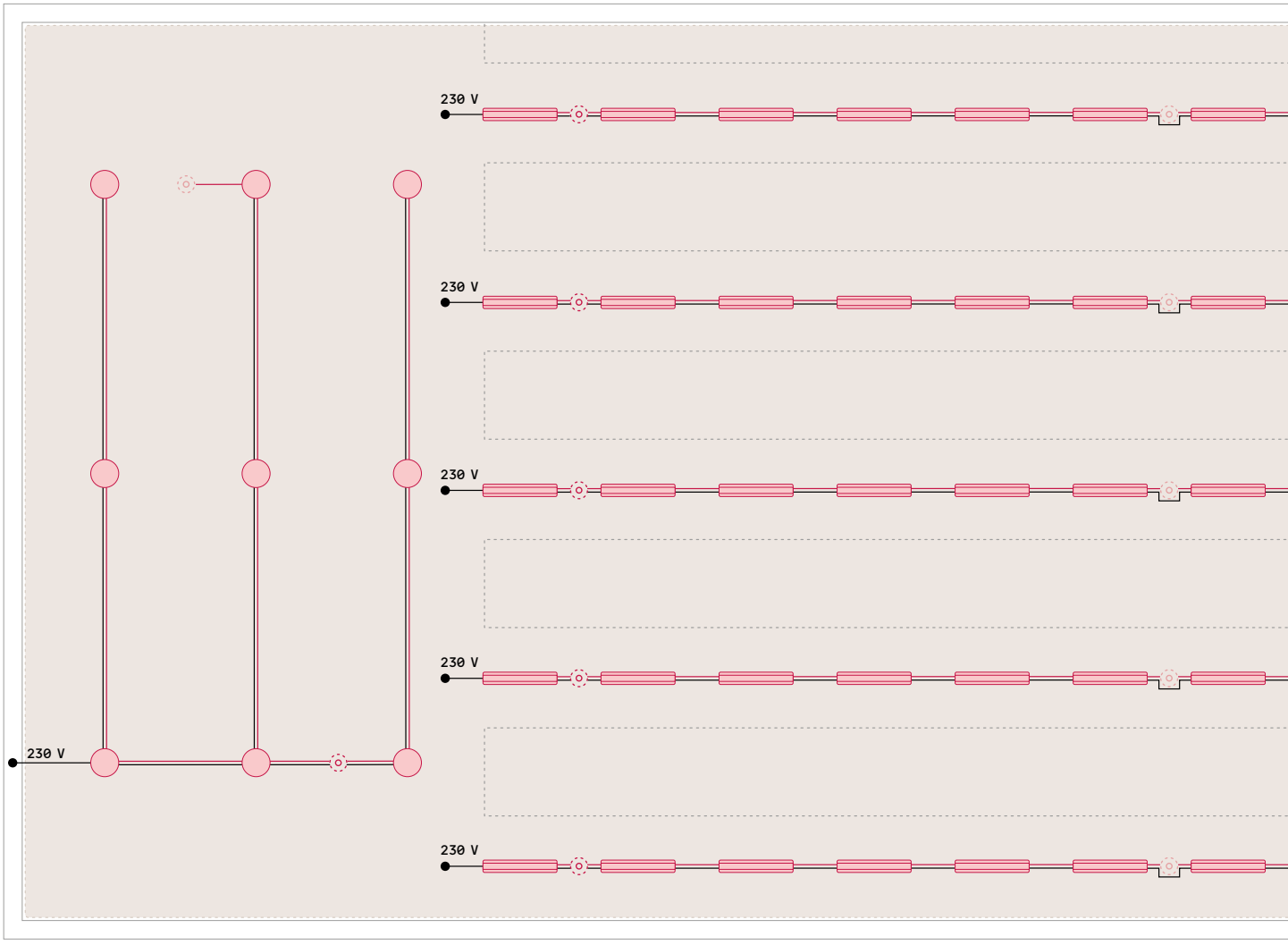
- Two daylight-dependent controls
- Presence and motion detection
- Pushbutton control (Scene/On/Off/Dim)
- Different scenes and groups
- Independently adjustable board light

DALI
230 V – permanent live
sensor DALI input device
DALI luminaire
DALI-2 system e.g. LiveLink Premium

Schematic diagram illustrating the principle. Supply, protection and execution are project-specific.

→ Technical data from **page 45.**





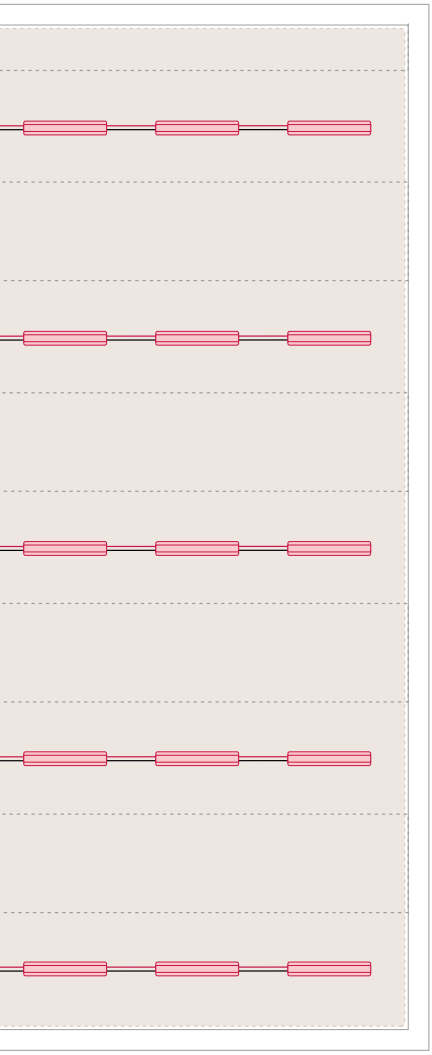
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LOCATIONS

High-bay warehouse – Broadcast

High mounting heights, long aisles and fluctuating occupancy place high demands on presence and light detection. DALI-2-Broadcast combined with IntuSens High Bay opts for maximum simplicity in planning and operation: all luminaires on a line respond identically. A defined base light provides orientation at all times; when motion is detected it is gently raised to working level and, in the absence of movement, is dimmed down again or switched off after a defined delay. The daylight-dependent constant light control stabilises the illuminance and prevents over-illumination.



DALI-2 Broadcast

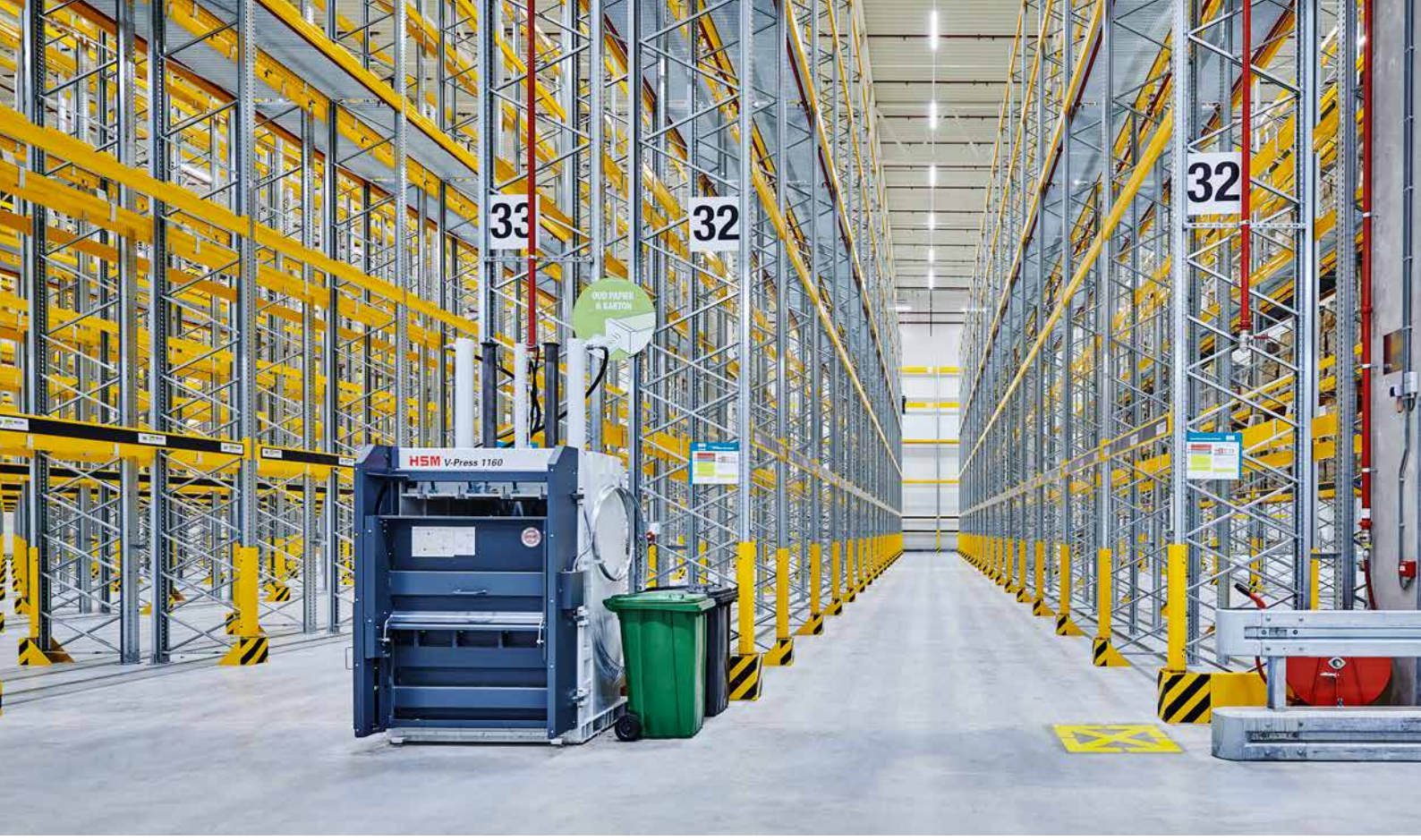
- DALI-2 with broadcast control (shelf aisles and front areas are switched/dimmed together)
- Motion detection (High Bay) for high mounting heights
- Constant light control
- Defined ambient lighting for safe orientation

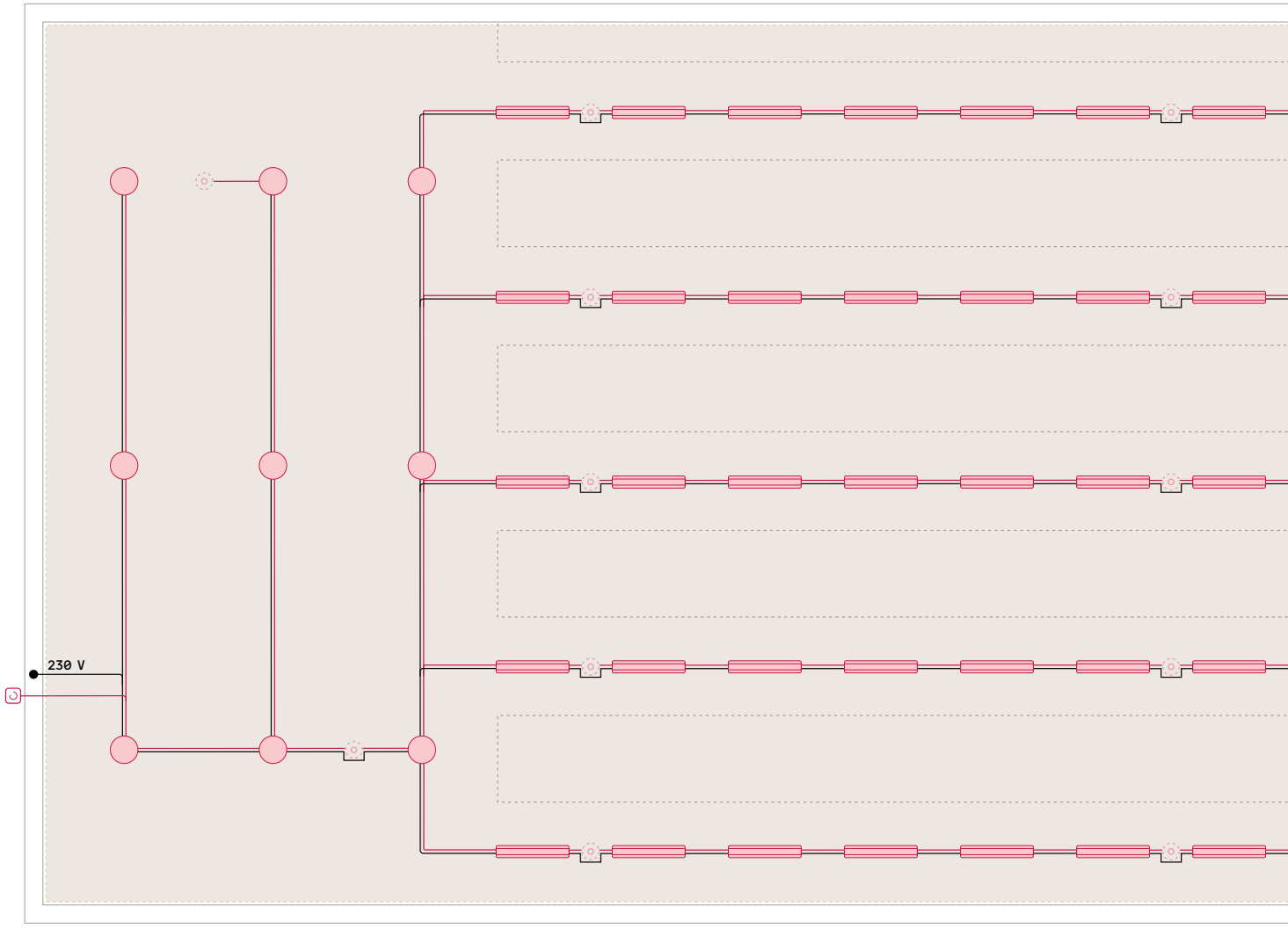
DALI
230 V – permanent power
Sensor DALI Broadcast
Sensor DALI Input Device
DALI luminaire

Schematic diagram illustrating the principle. Supply, protection and execution are project-specific.

Additional 230 V supply lines are required.

→ Technical data from **Seite 45.**





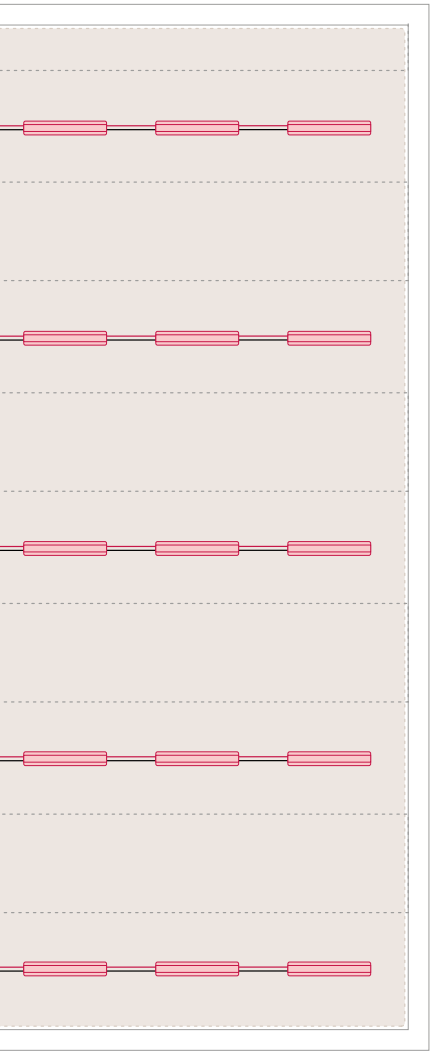
→ Technical data from **page 45.**



DEPLOYMENT LOCATIONS

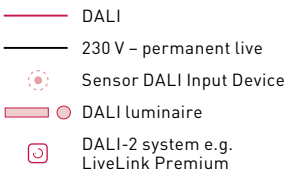
High-bay warehouse – addressed

When different areas are to be controlled individually, addressable DALI-2-IPD sensors provide additional flexibility. Aisles and front areas can be defined as groups, light levels and run-on times adjusted per area, and scenes saved. Adjustments are made in software and without any changes to the wiring. This results in a finely tuned, scalable system with enhanced comfort and further efficiency potential.



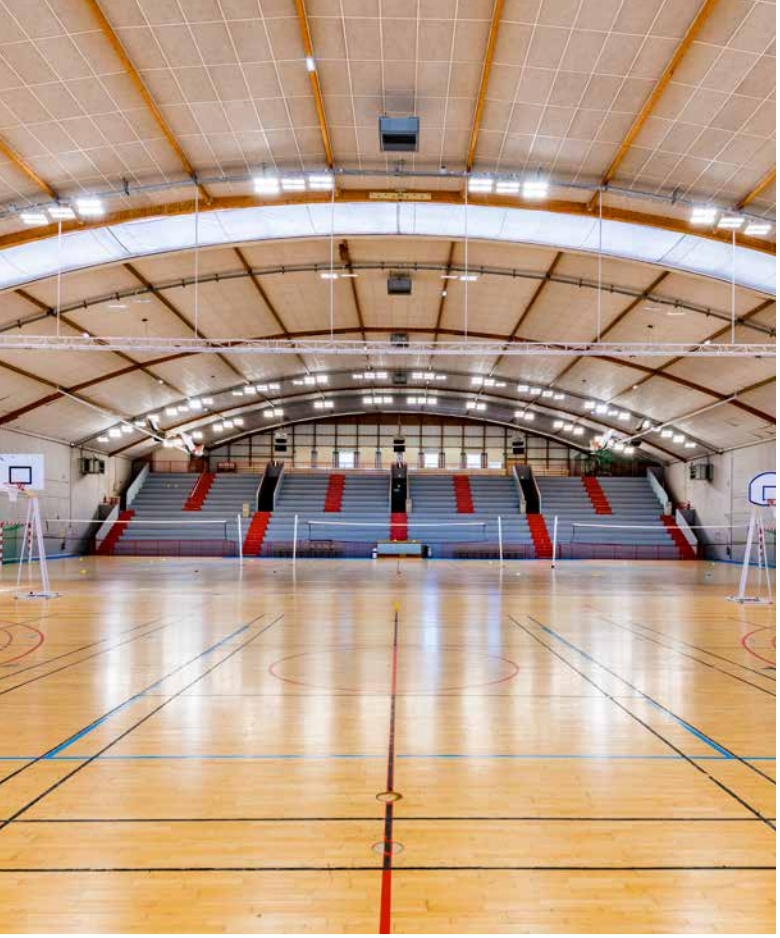
LiveLink – the flexible solution for DALI-2 IPD sensors

- DALI line with addressed group control (switch/control each shelving aisle and front area as a group)
- Daylight-dependent control (constant lighting)
- Presence and motion detection (High Bay) for high mounting heights
- Push-button control (On/Off/Dim)
- Adjustable afterwards via software: target illuminance, run-on times and dimming curves
- Gentle up/down dimming for safe orientation when entering/exiting



Schematic diagram illustrating the principle. Supply, protection and execution are project-specific.

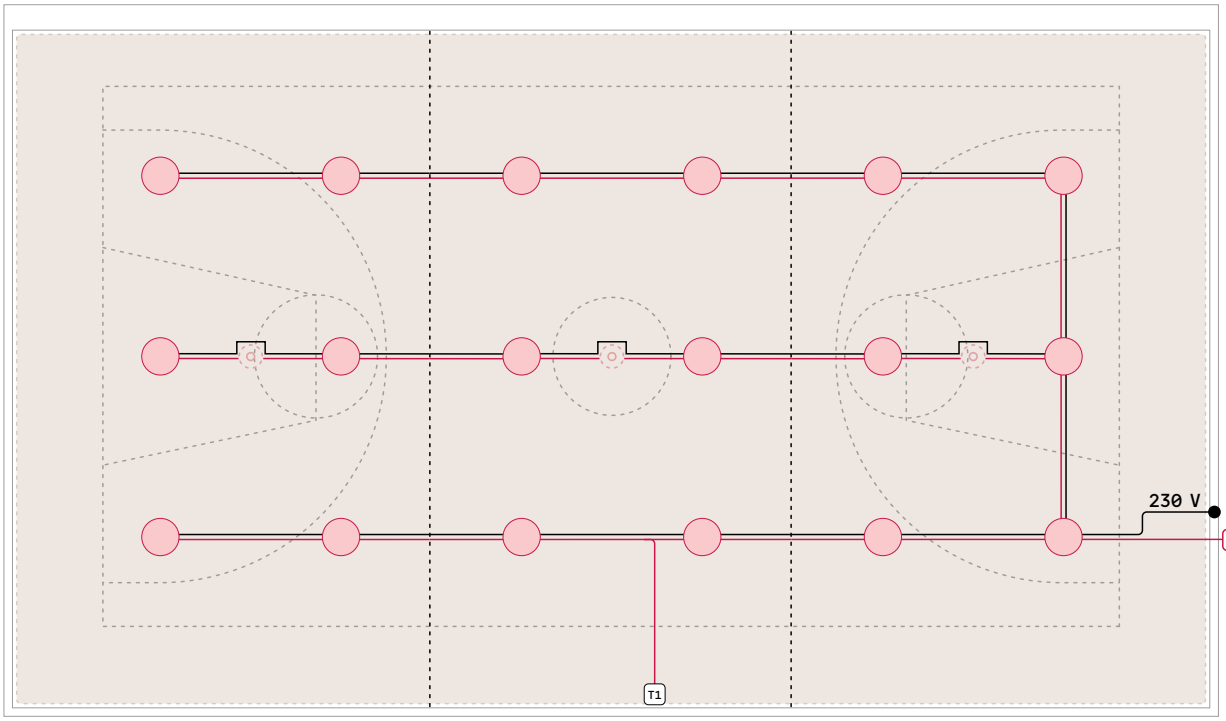
→ Technical data from **Seite 45.**



LOCATIONS

Sports hall

High mounting heights in sports halls place significant demands on occupancy and light detection. IntuSens High Bay sensors are approved for mounting heights of up to 18 m and provide reliable light detection up to 14 m. The DALI-2-IPD range makes it easy to zone three-court sports halls, switch courts independently and control them according to daylight – efficient and flexible.



LiveLink – the solution for multi-purpose halls

- Daylight-dependent regulations (e.g. façade side, centre of hall, aisle/stands)
- Control of movable partitions in multifunctional rooms
- Motion detection (High Bay, for high mounting heights)
- Push-button control (Scene/On/Off/Dim)
- Different scenes and groups (training, competition, cleaning, event)
- Separately adjustable presentation/trainer area or playing-field lighting

DALI
230 V – permanent live
Sensor DALI Input Device
DALI luminaire
DALI-2 system e.g. LiveLink Premium

Schematic diagram illustrating the principle. Supply, protection and execution are project-specific.

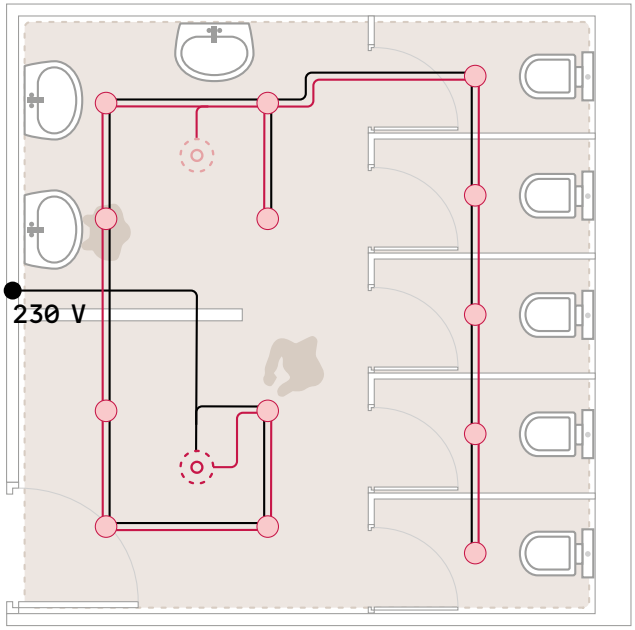
→ Technical data from **Seite 45.**



LOCATIONS

Toilet

In WC facilities, the IntuSens DALI-2 Broadcast provides a defined basic illumination and demand-controlled brightening. This ensures that visitors do not enter a dark room. Even in the toilet cubicles, the basic lighting always provides an orientation light. This means shorter run-on times can also be set, thereby saving additional energy.



DALI-2 Broadcast –
Control with background lighting

- 1-channel DALI-2 broadcast controller
- Presence and motion detection with fast switch-on logic
- Adjustable run-on time
- Basic lighting control for continuous orientation
- Adjustable illuminance for a daylight-dependent constant light control

DALI
230 V – permanent supply
DALI broadcast sensor
DALI input device sensor
DALI luminaire

Schematic diagram illustrating the principle. Supply, protection and execution are project-specific.

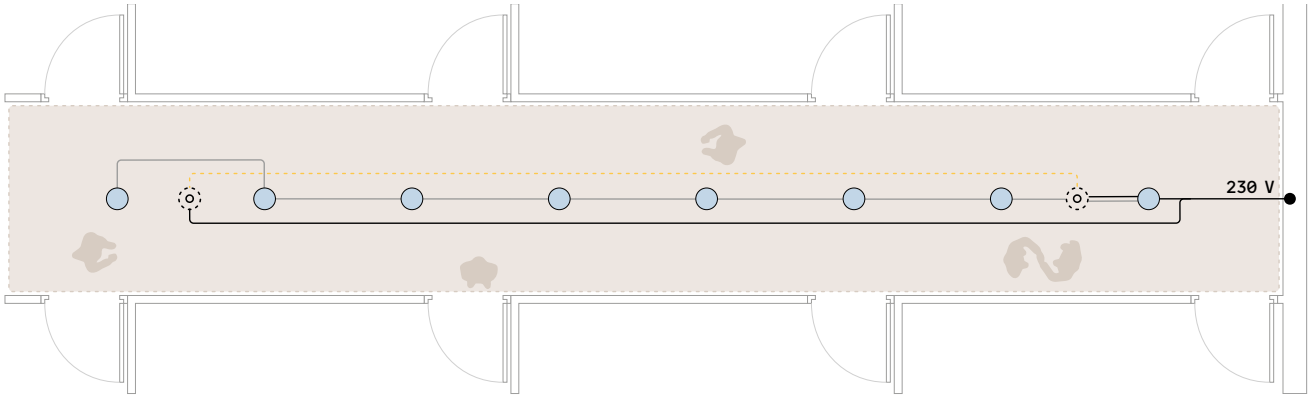
→ Technical data from **page 45.**



LOCATIONS

Hallway – switchable

Corridors are circulation areas with short, often abrupt stops. A fully automatic mode with presence and motion detection switches the lighting on only when required and off again after a defined delay. This achieves high energy savings, even with purely switchable, non-dimmable luminaires.



Switch – the entry-level solution for automation

- Relay control (1 switching output) for corridor section/lighting circuit
- Presence and motion detection with rapid response
- Adjustable switch-off delay for short stays (staircase function)
- Threshold switch using a light sensor (does not switch on when there is sufficient daylight)

230 V – switched live (L')
230 V – permanent live
Control line (optional)
Sensor switch
Switchable luminaire

Schematic diagram illustrating the principle. Supply, protection and execution are project-specific.

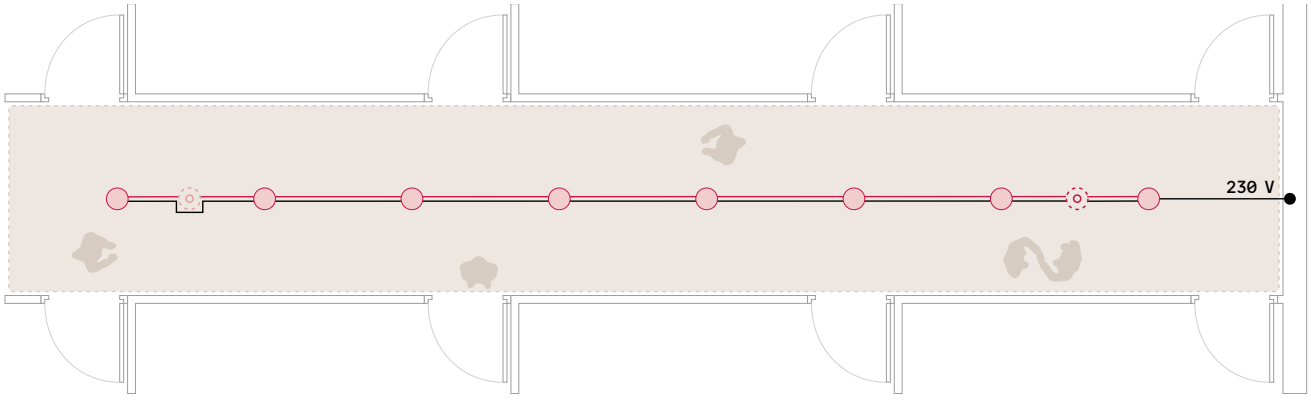
→ Technical data from **page 45.**



DEPLOYMENT LOCATIONS

Hallway – dimmable

In addition to the purely switchable solution, DALI-2-Broadcast offers a comfortable background light that ensures constant orientation. When presence is detected, it is gently dimmed up to the desired level, after an adjustable off-delay dimmed down again. The daylight-dependent constant-light control avoids unnecessary energy costs. Optional: enables push-button control On/Off/Dim



DALI-2 Broadcast –
Basic lighting for perfect orientation

- DALI-2 broadcast controller for entrance area with general lighting
- Presence and motion detection with rapid response
- Adjustable run-on time for short stays (staircase function)
- Adjustable illuminance for a daylight-dependent constant light control

DALI
230 V – permanent power
DALI broadcast sensor
DALI input device sensor
DALI luminaire

Schematic diagram illustrating the principle. Supply, protection and execution are project-specific.

→ Technical data from **page 45.**



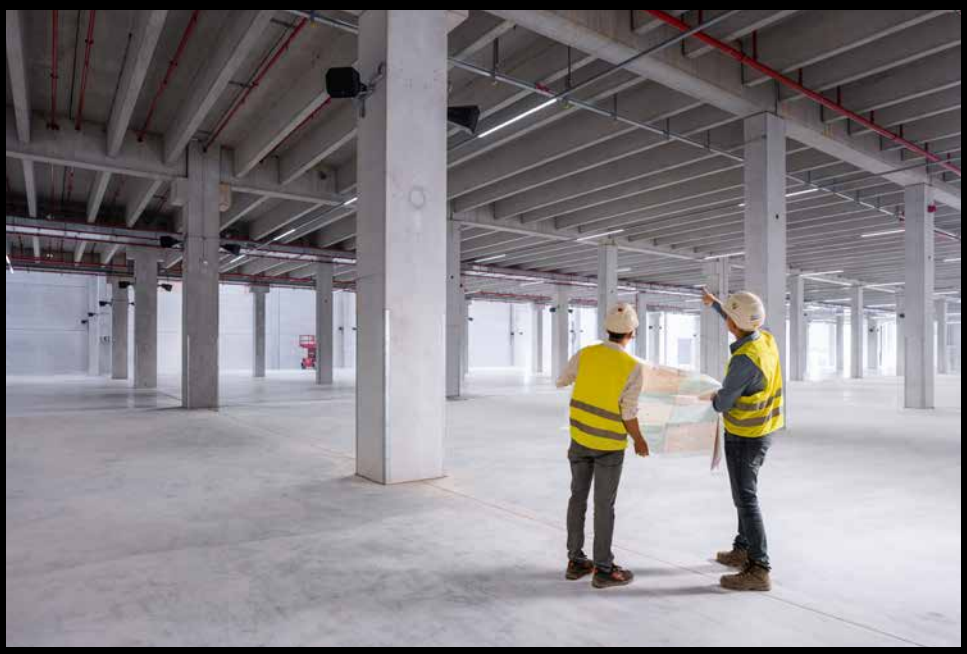
SAVE ENERGY SYSTEMATICALLY

Automated lighting control as the key to efficiency

Energy efficiency begins where light is only used when it is really needed. This is precisely where TRILUX sensors come into play: They detect movement and control the lighting as required – automatically, reliably and without any additional effort for the user.

Modern buildings today place clear requirements on automation. National and European regulatory frameworks such as the Building Energy Act (GEG) and the European Energy Performance of Buildings Directive (EPBD) increasingly require intelligent control systems. An automated, occupancy- and daylight-dependent lighting control is thereby a central component for meeting these requirements and sustainably reducing energy consumption.

Independent studies and TRILUX reference projects show: Switching to LED lighting already significantly reduces energy consumption. In combination with an intelligent lighting management system such as LiveLink, additional savings potential can be realised – in total up to 85% less energy consumption compared with conventional lighting.



MADE IN GERMANY

Quality you can rely on

TRILUX IntuSens sensors are developed in Germany and manufactured. The essential, quality-determining steps such as construction, final assembly as well as functional- and quality testing are carried out at our production site in Germany.

The 'Made in Germany' label stands for precision engineering, a high degree of vertical integration and reliable quality. Short delivery routes within the EU also provide planning certainty for the project.

To underline this claim, TRILUX offers a five-year guarantee on its sensors. A clear commitment to quality, durability and reliability – throughout the entire lifecycle.

The TRILUX quality promise at a glance:

- Reducing energy consumption through demand-based lighting control
- Meeting current and future building requirements
- Made in Germany
- 5 year guarantee



IntuSens Switch



IntuSens Switch sensors are the economical solution for simple on/off light switching. They detect presence or motion within a 360° detection area and are suitable for low-bay and high-bay applications.

- Sensor for switching only (switching capacity 1,000 W)
- Passive infrared
- Switch-off time from 1 min to 100 min
- Automatic and semi-automatic operation
- Push-button connection directly on the sensor
- Can be expanded with an additional switch sensor.

TRILUX Standard

Our products cover the standard ambient temperature range of –25°C to +50°C, as well as a light sensor range of 10–1000 lx.

PRESENCE SENSOR

INTUSENS SWITCH LOW BAY SURFACE-MOUNTED









Locations

Private office	•
open-plan office	•
meeting room	•
classroom	•
Highbay racking	
sports hall	
Corridor	•
toilet	•
Outdoor	

White
TOC: 6001070700

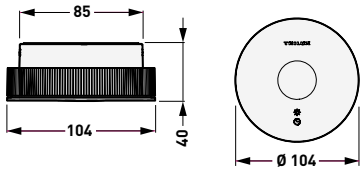
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Technical data

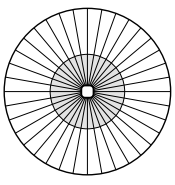
Installation location	Ceiling
Mounting method	Surface-mounted
IP protection rating	IP20
Commissioning	On the device

Supply voltage	230 V
Max. switching capacity	1.000 W
Expandable with identical units	Yes
Max. expansion sensors	1
Segmental blanking	No

Dimensioned drawing

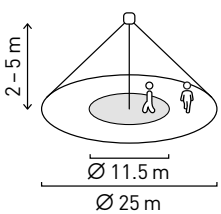


Detection angle



360°

Tangential and Radial



Details: page 64, Fig. 1

MOTION SENSOR

INTUSENS SWITCH HIGH BAY SURFACE-MOUNTED



CLICK
TURN
READY!

SWITCH

PASSIVE
INFRARED

Locations	
single office	
open-plan office	
meeting room	
Classroom	
Highbay racking	•
sports hall	•
Corridor	
toilet	
Outdoor	

White
TOC: 6001070800

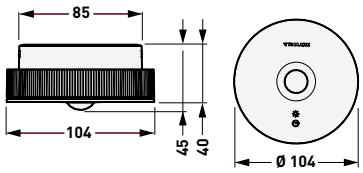
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Technical data

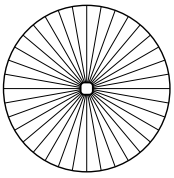
Installation location	Ceiling
Mounting method	Surface-mounted
IP protection class	IP20
Commissioning	On the device

Supply voltage	230 V
Max. switching capacity	1,000 W
Expandable with identical units	Yes
Max. expansion sensors	1
Segmental blanking	No

Dimensioned drawing

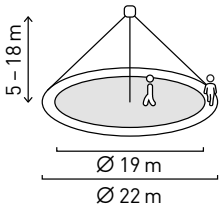


Detection angle



360°

Tangential and Radial



Details: page 64, Fig. 2

MOTION SENSOR

INTUSENS SWITCH HIGH BAY CORRIDOR SURFACE-MOUNTED



CLICK
TURN
READY!

SWITCH

PASSIVE
INFRARED

Deployment locations	
single office	
open-plan office	
Meeting room	
classroom	
Highbay racking	•
sports hall	
Corridor	
toilet	
Outdoor	

White
TOC: 6001070900

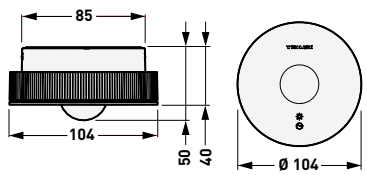
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Technical data

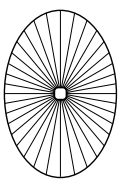
Installation location	Ceiling
Mounting method	Surface-mounted
IP protection rating	IP20
Commissioning	On the device

supply voltage	230 V
Max. switching capacity	1,000 W
Expandable using identical modules	Yes
Max. expansion sensors	1
Segmental blanking	No

Dimensioned drawing

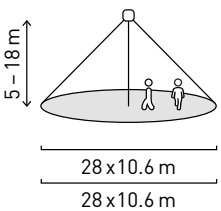


Detection angle



360°

Tangential and radial



Details: page 64, Fig. 3

PRESENCE SENSOR

INTUSENS SWITCH LOW BAY INSTALLATION



CLICK
TURN
READY!

SWITCH

PASSIVE
INFRARED

Locations

Private office	•
open-plan office	•
Meeting room	•
classroom	•
Highbay racking	
sports hall	
Corridor	•
Toilet	•
Outdoor	

White
TOC: 6001071300

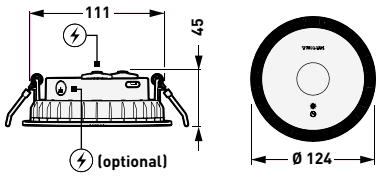
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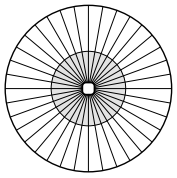
Installation location	Ceiling
Ceiling cutout	112 mm
Mounting method	Recessed
IP protection rating	IP20
Commissioning	At the device

supply voltage	230 V
Max. switching capacity	1,000 W
Expandable with identical units	Yes
Max. expansion sensors	1
Segmental blanking	No

Dimensional drawing

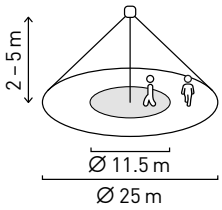


Detection angle



360°

Tangential and radial



Details: page 64, Fig. 1

MOTION SENSOR

INTUSENS SWITCH HIGH BAY INSTALLATION



CLICK
TURN
READY!

SWITCH

PASSIVE
INFRARED

Locations

private office	
open-plan office	
meeting room	
Classroom	
Highbay racking	•
Sports hall	•
Corridor	
toilet	
Outdoor	

White
TOC: 6001071400

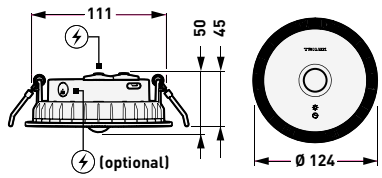
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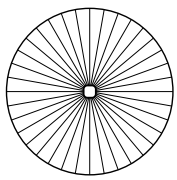
Installation location	Ceiling
Ceiling cutout	112 mm
Mounting method	Recessed
IP protection rating	IP20
Commissioning	On the device

supply voltage	230 V
Max. switching capacity	1,000 W
Expandable with identical units	Yes
Max. additional sensors	1
Segmental blanking	No

Dimensioned drawing

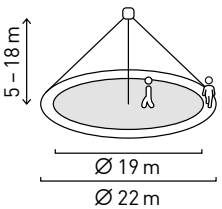


Detection angle



360°

Tangential and Radial



Details: page 64, Fig. 2

INTUSENS SWITCH HIGH BAY CORRIDOR INSTALLATION



CLICK
TURN
READY!

SWITCH

PASSIVE
INFRARED

Locations	
Single office	
open-plan office	
Meeting room	
classroom	
Highbay racking	•
sports hall	
Corridor	
toilet	
Outdoor	

White
TOC: 6001071500

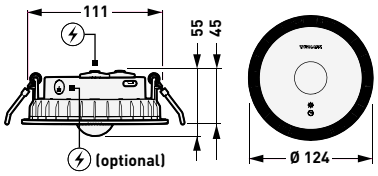
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Technical data

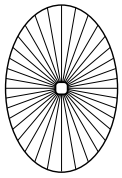
Installation location	Ceiling
Ceiling cutout	112 mm
Mounting method	Recessed
IP protection rating	IP20
Commissioning	On the device

supply voltage	230 V
Max. switching capacity	1,000 W
Expandable with identical units	Yes
Max. expansion sensors	1
Segmental blanking	No

Dimensioned drawing

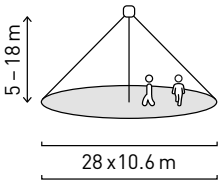


Detection angle



360°

Tangential and radial



Details: page 64, Fig. 3

IntuSens DALI-2 Broadcast



IntuSens DALI-2 broadcast sensors enable collective control of all connected DALI devices without individual addressing.

- DALI-2 certified sensor
- 1-channel DALI-2 broadcast sensor
- Integrated DALI-2 power supply with 60 mA output current
- Light sensor for constant light control
- Switch-off time from 1 min to 100 min
- Base light from 10% to 60%
- Automatic or semi-automatic
- Expandable with DALI-2 Input Device Sensor
- Push-button connection directly on the sensor

TRILUX Standard
Our products cover the standard ambient temperature range of -25 to +50 °C, as well as a light sensor range of 10 –1000 lx.

PRESENCE SENSOR

INTUSENS DALI-2 BROADCAST LOW BAY SURFACE-MOUNTED



CLICK
TURN
READY!

PASSIVE
INFRARED

Locations

Single office	•
open-plan office	•
meeting room	•
Classroom	•
Highbay racking	
sports hall	
Corridor	•
toilet	•
Outdoor	

White
TOC: 6001069500

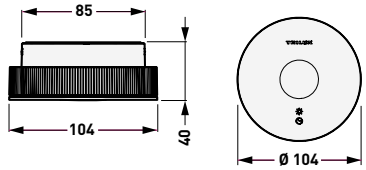
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TOC: 6001069800

Technical data

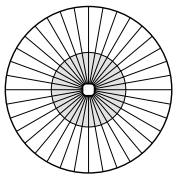
Installation location	Ceiling
Mounting method	Surface-mounted
IP protection rating	IP20
Commissioning	On the device

Supply voltage	230 V
DALI output current	60 mA
Extension with DALI-2 IDS Input Device	Yes
Max. expansion sensors	depending on the IPD's DALI current consumption
Segmental blanking	No

Dimensioned drawing

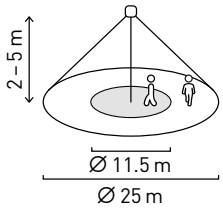


Detection angle



360°

Tangential and Radial



Details: page 64, Fig. 1

MOTION SENSOR

INTUSENS DALI-2 BROADCAST HIGH BAY SURFACE-MOUNTED



CLICK
TURN
READY!

PASSIVE
INFRARED

Locations

Private office	
open-plan office	
Meeting room	
classroom	
Highbay racking	•
sports hall	•
Corridor	
WC	
Outdoor	

White
TOC: 6001069600

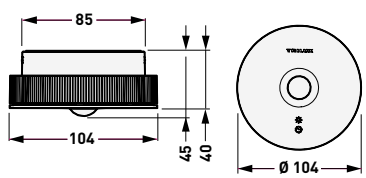
Black
TOC: 6001069900

Technical data

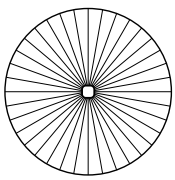
Installation location	Ceiling
Mounting method	Surface-mounted
IP protection rating	IP20
Commissioning	On the device

supply voltage	230 V
DALI output current	60 mA
Extension with DALI-2 IDS Input Device	Yes
Max. expansion sensors	depending on the DALI current consumption of the IPD
Segmental blanking	No

Dimensioned drawing

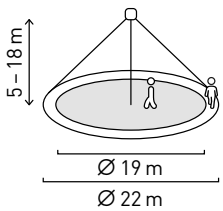


Detection angle



360°

Tangential and radial



Details: page 64, Fig. 2

MOTION SENSOR

INTUSENS DALI-2 BROADCAST HIGH BAY CORRIDOR SURFACE-MOUNTED



CLICK
TURN
READY!

PASSIVE
INFRARED

Locations	
single office	
open-plan office	
Meeting room	
classroom	
Highbay racking	•
sports hall	
Corridor	
WC	
Outdoor	

White
TOC: 6001069700

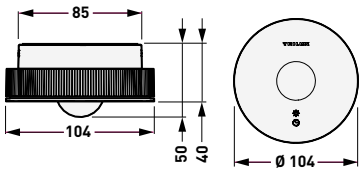
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Technical data

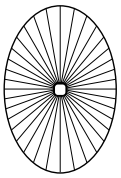
Installation location	Ceiling
Mounting method	Surface-mounted
IP protection rating	IP20
Commissioning	On the device

Supply voltage	230 V
DALI output current	60 mA
Expansion with DALI-2 Input Device	Yes
Max. expansion sensors	depending on the IPD's DALI current draw
Segmental blanking	No

Dimensioned drawing

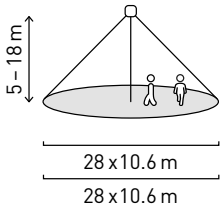


Detection angle



360°

Tangential and radial



Details: page 64, Fig. 3

PRESENCE SENSOR

INTUSENS DALI-2 BROADCAST LOW BAY INSTALLATION



CLICK
TURN
READY!

PASSIVE
INFRARED

Locations	
Private office	•
open-plan office	•
Meeting room	•
classroom	•
Highbay racking	
sports hall	
Corridor	•
toilet	•
Outdoor	

White
TOC: 6001070100

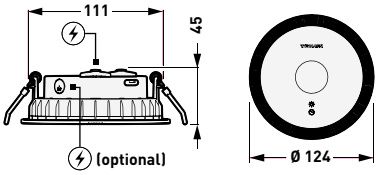
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TOC: 6001070400

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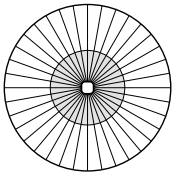
Installation location	Ceiling
Ceiling cutout	112 mm
Mounting method	Recessed
IP protection rating	IP20
Commissioning	On the device

supply voltage	230 V
DALI output current	60 mA
Extension with DALI-2 input device	Yes
Max. expansion sensors	Depending on the DALI current draw of the IPD
Segmental blanking	No

Dimensioned drawing

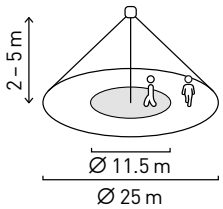


Detection angle



360°

Tangential and Radial



Details: page 64, Fig. 1

MOTION SENSOR

INTUSENS DALI-2 BROADCAST HIGH BAY BUILT-IN



CLICK
TURN
READY!

PASSIVE
INFRARED

Locations	
private office	
open-plan office	
meeting room	
classroom	
Highbay racking	•
sports hall	•
Corridor	
toilet	
Outdoor	

White
TOC: 6001070200

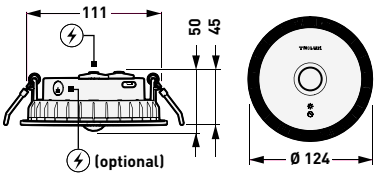
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Technical data

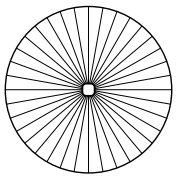
Installation location	Ceiling
Ceiling cutout	112 mm
Mounting method	Recessed
IP protection rating	IP20
Commissioning	On the device

supply voltage	230 V
DALI output current	60 mA
Extension with DALI-2 Input Device	Yes
Max. expansion sensors	depending on the DALI current consumption of the IPD
Segmental blanking	No

Dimensioned drawing

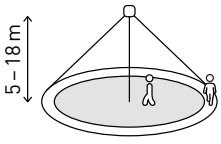


Detection angle



360°

Tangential and radial



Details: page 64, Fig. 2

MOTION SENSOR

INTUSENS DALI-2 BROADCAST HIGH BAY CORRIDOR BUILT-IN



CLICK
TURN
READY!

PASSIVE
INFRARED

Locations	
single office	
open-plan office	
Meeting room	
classroom	
Highbay racking	•
sports hall	
Corridor	
WC	
Outdoor	

White
TOC: 6001070300

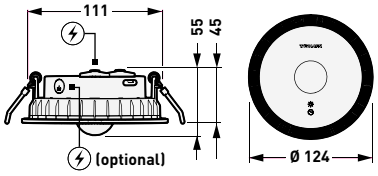
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TOC: 6001070600

Technical data

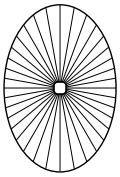
Installation location	Ceiling
Ceiling cutout	112 mm
Mounting method	Recessed
IP protection rating	IP20
Commissioning	On the device

supply voltage	230 V
DALI output current	60 mA
Extension with DALI-2 Input Device	Yes
Max. expansion sensors	depending on the DALI current consumption of the IPD
Segmental blanking	No

Dimensioned drawing

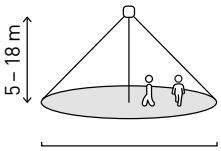


Detection angle



360°

Tangential and radial



Details: Page 64 Fig. 3

IntuSens DALI-2 Input Device



IntuSens DALI-2 Input Device sensors transmit presence, movement and light information to a higher-level DALI-2 controller.

- DALI-2 certified sensor
- modern design in black or white
- Use with any DALI-2 certified controller, e.g. LiveLink
- Light sensor for constant light control
- Motion sensor using passive infrared

TRILUX Standard

Our products cover the standard ambient temperature range of -25 °C to +50 °C, and a light-sensor range of 10–1000 lx.

PRESENCE SENSOR

INTUSENS DALI-2 INPUT DEVICE LOW BAY SURFACE-MOUNTED



PASSIVE INFRARED

DALI 2

LiveLink Ready

Suitable for GModG/EPBD

Locations	
Private office	•
open-plan office	•
meeting room	•
Classroom	•
Highbay racking	
sports hall	
Corridor	•
toilet	•
Outdoor	

White
TOC: 6001068300

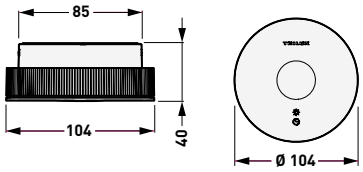
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TOC: 6001068600

Technical data

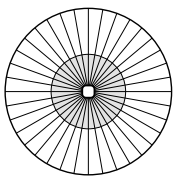
Installation location	Ceiling
Mounting method	Surface-mounted
Commissioning	via DALI-2 control, e.g. LiveLink Premium

IP protection class	IP20
Supply voltage	via DALI
Max. DALI current consumption	10 mA
Segmental blanking	No

Dimensioned drawing

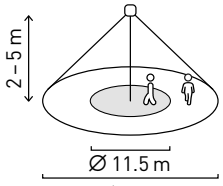


Detection angle



360°

Tangential and radial



Details: page 64 Fig. 1

MOTION SENSOR

INTUSENS DALI-2 INPUT DEVICE HIGH BAY SURFACE-MOUNTED



PASSIVE INFRARED

DALI 2

LiveLink Ready

Suitable for GModG/EPBD

Locations	
Private office	
open-plan office	
meeting room	
classroom	
Highbay racking	•
sports hall	•
Corridor	
toilet	
Outdoor	

White
TOC: 6001068400

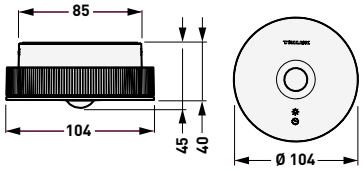
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TOC: 6001068700

Technical data

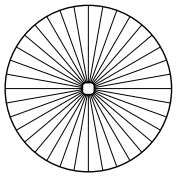
Installation location	Ceiling
Mounting method	Surface-mounted
Commissioning	via DALI-2 control, e.g. LiveLink Premium

IP rating	IP20
Supply voltage	via DALI
Max. DALI current consumption	10 mA
Segmental blanking	No

Dimensioned drawing

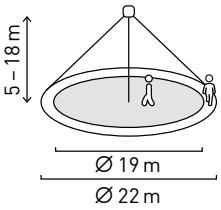


Detection angle



360°

Tangential and Radial



Details: page 64 Fig. 2

MOTION SENSOR

INTUSENS DALI-2 INPUT DEVICE HIGH BAY CORRIDOR SURFACE-MOUNTED



PASSIVE INFRARED

DALI 2

LiveLink Ready

Suitable for GModG/EPBD

Deployment locations	
Private office	
open-plan office	
Meeting room	
classroom	
Highbay racking	•
sports hall	
Corridor	
toilet	
Outdoor	

White
TOC: 6001068500

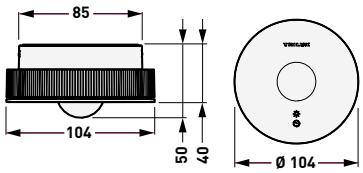
Black
TOC: 6001068800

Technical data

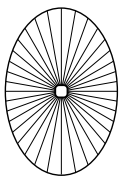
Installation location	Ceiling
Mounting method	Surface-mounted
Commissioning	via DALI-2 control, e.g. LiveLink Premium

IP protection rating	IP20
supply voltage	via DALI
Max. DALI current consumption	10 mA
Segmental blanking	No

Dimensioned drawing

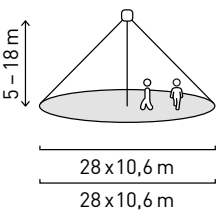


Detection angle



360°

Tangential and Radial



Details: page 64, Fig. 3

PRESENCE SENSOR

INTUSENS DALI-2 INPUT DEVICE LOW BAY BUILT-IN



PASSIVE INFRARED

DALI 2

LiveLink Ready

Suitable for GModG/EPBD

Deployment locations

Private office	•
open-plan office	•
meeting room	•
classroom	•
Highbay racking	
sports hall	
Corridor	•
toilet	•
Outdoor	

White
TOC: 6001068900

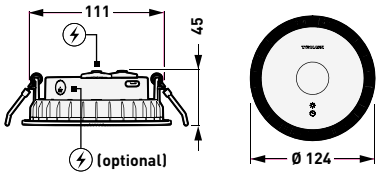
Black
TOC: 6001069200

Technical data

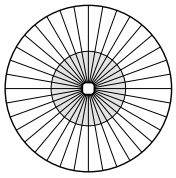
Installation location	Ceiling
Ceiling cutout	112 mm
Mounting method	Recessed
Commissioning	via DALI-2 control, e.g. LiveLink Premium

IP protection rating	IP20
supply voltage	via DALI
Max. DALI current consumption	10 mA
Segmental blanking	No

Dimensioned drawing

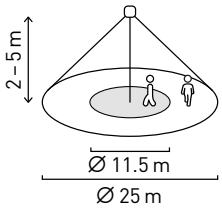


Detection angle



360°

Tangential and Radial



Details: page 64, Fig. 1

MOTION SENSOR

INTUSENS DALI-2 INPUT DEVICE HIGH BAY BUILT-IN



PASSIVE INFRARED

DALI 2

LiveLink Ready

Suitable for GModG/EPBD

Locations

single office	
open-plan office	
meeting room	
classroom	
Highbay racking	•
sports hall	•
Corridor	
toilet	
Outdoor	

White
TOC: 6001069000

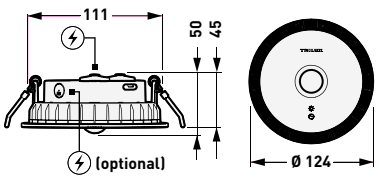
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TOC: 6001069300

Technical data

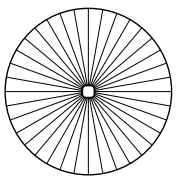
Installation location	Ceiling
Ceiling cutout	112 mm
Mounting method	Recessed
Commissioning	via DALI-2 control, e.g. LiveLink Premium

IP protection rating	IP20
Supply voltage	via DALI
Max. DALI current draw	10 mA
Segmental blanking	No

Dimensioned drawing

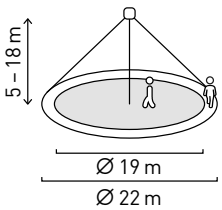


Detection angle



360°

Tangential and radial



Details: page 64 Fig. 2

INTUSENS DALI-2 INPUT DEVICE HIGH BAY CORRIDOR INSTALLATION



PASSIVE INFRARED

DALI 2

LiveLink Ready

Suitable for GModG/EPBD

Locations	
single office	
open-plan office	
Meeting room	
classroom	
Highbay racking	•
sports hall	
Corridor	
toilet	
Outdoor	

White
TOC: 6001069100

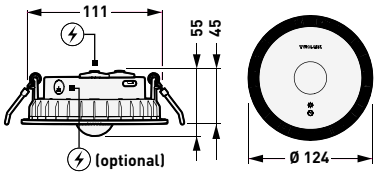
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TOC: 6001069400

Technical data

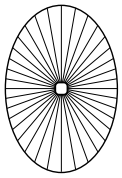
Installation location	Ceiling
Ceiling cutout	112 mm
Mounting method	Recessed
Commissioning	via DALI-2 control, e.g. LiveLink Premium

IP protection rating	IP20
supply voltage	via DALI
Max. DALI current consumption	10 mA
Segmental blanking	No

Dimensioned drawing

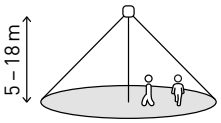


Detection angle



360°

Tangential and Radial

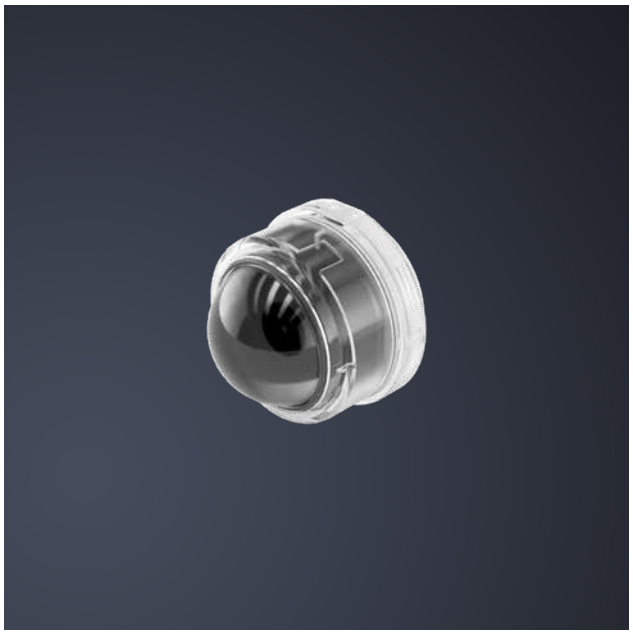


28 x 10.6 m
28 x 10.6 m

Details: page 64, Fig. 3



IntuSens Zhaga Book 18



IntuSens Zhaga B 18 sensors are designed for replacement or retrofitting in luminaires with a Zhaga Book 18 interface.

- DALI-2 certified sensor
- With Zhaga Book 18 interface
- Aesthetic integration for luminaires and light strips
- Light sensor for constant light control
- Passive infrared motion sensor
- Available as a single-channel DALI-Broadcast, input device and Casambi
- With IP66 protection, suitable for outdoor use.

TRILUX Standard

Our products cover the standard ambient temperature range of -25 to +50 °C, as well as a light sensor range of 10–1000 lx.

MOTION SENSOR

INTUSENS ZHAGA BOOK 18 18 DALI-2 BROADCAST HIGH BAY



PASSIVE INFRARED

DALI 2

Locations	
Private office	
open-plan office	
meeting room	
classroom	
Highbay racking	•
sports hall	•
Corridor	
WC	
Outdoor	•

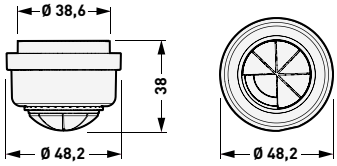
banner
TOC: 6001071900

Technical data

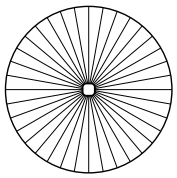
Mounting method	Zhaga socket
Commissioning	LiveLink SwarmSens App
IP protection rating	IP66

supply voltage	Extension required. DALI power supply
Extension with DALI-2 input device	Yes
Max. expansion sensors	depending on the IPD's DALI current draw
Segmental blanking	No

Dimensioned drawing

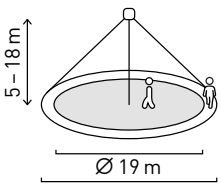


Detection angle



360°

Tangential and radial



Details: page 64, Fig. 2

MOTION SENSOR

INTUSENS ZHAGA BOOK 18 DALI-2 BROADCAST HIGH BAY CORRIDOR



PASSIVE INFRARED

DALI 2

Locations

Private office	
open-plan office	
Meeting room	
Classroom	
Highbay racking	•
sports hall	
Corridor	
toilet	
Outdoor	•

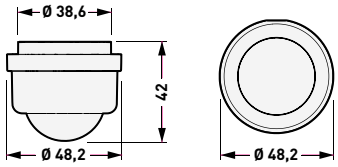
banner
TOC: 6001072000

Technical data

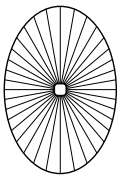
Mounting method	Zhaga socket
Commissioning	LiveLink SwarmSens App
IP protection rating	IP66

Supply voltage	requires ext. DALI power supply
Extension with DALI-2 input device	Yes
Max. expansion sensors	depending on the IPD's DALI current consumption
Segmental blanking	No

Dimensioned drawing

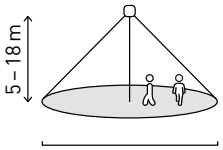


Detection angle



360°

Tangential and radial



Details: page 64, Fig. 3

MOTION SENSOR

INTUSENS ZHAGA BOOK 18 DALI-2 INPUT DEVICE HIGH BAY



PASSIVE INFRARED

DALI 2

LiveLink Ready

Suitable for GModG/EPBD

Locations

single office	
open-plan office	
Meeting room	
Classroom	
Highbay racking	•
Sports hall	•
Corridor	
toilet	
Outdoor	•

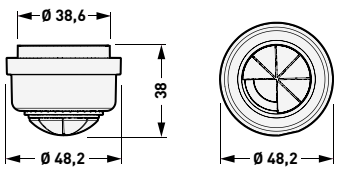
banner
TOC: 6001072100

Technical data

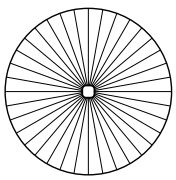
Mounting method	Zhaga socket
Commissioning	via DALI-2 control, e.g. LiveLink Premium
IP protection rating	IP66

supply voltage	via DALI
Max. DALI current consumption	10 mA
Segmental blanking	Yes

Dimensioned drawing

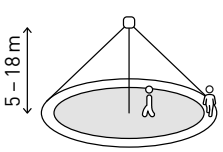


Detection angle



360°

Tangential and radial



Details: page 64, Fig. 2

INTUSENS ZHAGA BOOK 18 DALI-2 INPUT DEVICE HIGH BAY CORRIDOR



PASSIVE INFRARED

LiveLink Ready

Suitable for GModG/EPBD

Locations	
Private office	
open-plan office	
meeting room	
Classroom	
Highbay racking	•
sports hall	
Corridor	
toilet	
Outdoor	•

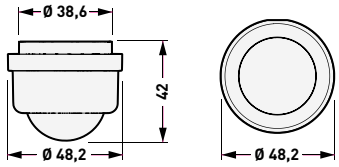
banner
TOC: 6001072200

Technical data

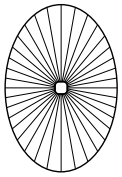
Mounting method	Zhaga socket
Commissioning	via DALI-2 control, e.g. LiveLink Premium
IP protection rating	IP66

supply voltage	via DALI
Max. DALI current consumption	10 mA
Segmental blanking	No

Dimensioned drawing

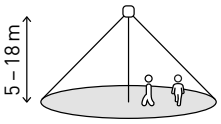


Detection angle



360°

Tangential and Radial



28 x 10.6 m
28 x 10.6 m

Details: page 64, Fig. 3

Wireless control for flexible applications

Wireless lighting control via Bluetooth – ideal for refurbishments, retrofits and flexible space concepts. Lights and sensors are quickly set up via the app and can be adjusted at any time.

Enjoy maximum freedom with minimal installation effort.

Bluetooth® MESH

CASAMBI

MOTION SENSOR

INTUSENS ZHAGA BOOK 18 BLUETOOTH NLC HIGH BAY



PASSIVE INFRARED

DALI 2

Bluetooth® MESH

Bluetooth NLC sensor with DALI output

Locations	
Single office	
open-plan office	
Meeting room	
classroom	
Highbay racking	•
sports hall	•
Corridor	
WC	
Outdoor	•

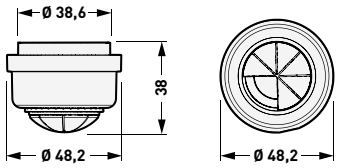
banner
TOC: 6001985500

Technical data

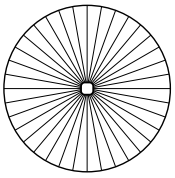
Mounting method	Zhaga socket
Commissioning	via LiveLink including Bluetooth NLC Gateway
IP protection rating	IP66

Supply voltage	requires ext. DALI power supply
Expandable with identical units	Yes
Max. additional sensors	dependent on the BLE NLC network
Segmental blanking	Yes

Dimensioned drawing

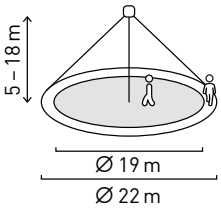


Detection angle



360°

Tangential and Radial



Details: page 64, Fig. 2

MOTION SENSOR

INTUSENS ZHAGA BOOK 18 BLUETOOTH NLC HIGH BAY CORRIDOR



PASSIVE INFRARED

DALI 2

Bluetooth® MESH

Bluetooth NLC sensor with DALI output

Locations	
Private office	
open-plan office	
Meeting room	
classroom	
Highbay racking	•
Sports hall	
Corridor	
toilet	
Outdoor	•

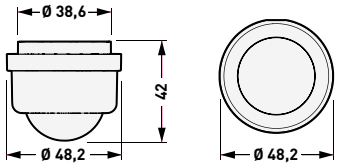
banner
TOC: 6001985600

Technical data

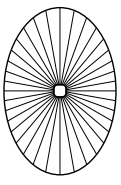
Mounting method	Zhaga socket
Commissioning	via LiveLink including Bluetooth NLC Gateway
IP rating	IP66

supply voltage	requires ext. DALI power supply
Expandable with identical units	Yes
Max. expansion sensors	dependent on the BLE NLC network
Segmental blanking	No

Dimensioned drawing

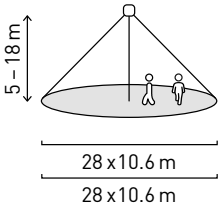


Detection angle



360°

Tangential and radial



Details: page 64, Fig. 3

MOTION SENSOR

INTUSENS ZHAGA BOOK 18 CASAMBI HIGH BAY



PASSIVE INFRARED

CASAMBI

Casambi sensor with DALI output

Locations

Private office	
open-plan office	
meeting room	
Classroom	
Highbay racking	•
sports hall	•
Corridor	
toilet	
Outdoor	•

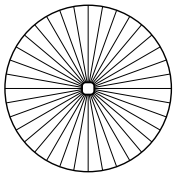
Banner
TOC: 6001072300

Technical data

Dimensions Ø × H	79,6 x 37,4 mm
Mounting method	Zhaga socket
Commissioning	About the Casambi app
IP protection rating	IP66

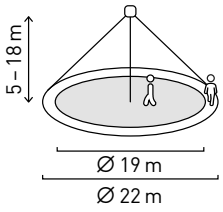
supply voltage	requires ext. DALI power supply
Expandable with identical units	Yes
Max. expansion sensors	250 Casambi participants
Segmental blanking	Yes

Detection angle



360°

Tangential and Radial



Details: page 64, Fig. 2

MOTION SENSOR

INTUSENS ZHAGA BOOK 18 CASAMBI HIGH BAY CORRIDOR



PASSIVE INFRARED

CASAMBI

Casambi sensor with DALI output

Locations

Private office	
open-plan office	
meeting room	
Classroom	
Highbay racking	•
sports hall	
Corridor	
toilet	
Outdoor	•

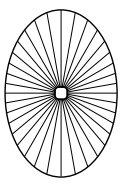
banner
TOC: 6001072400

Technical data

Dimensions Ø × H	79,6 x 41,7 mm
Mounting method	Zhaga socket
Commissioning	About the Casambi app
IP protection rating	IP66

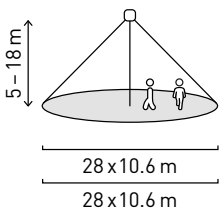
Supply voltage	requires ext. DALI power supply
Expandable with identical units	Yes
Max. expansion sensors	250 Casambi participants
Segmental blanking	No

Detection angle



360°

Tangential and Radial



Details: page 64 Fig. 3

IntuSens Mini



IntuSens MiniR and MiniS are our compact sensor solutions for direct integration into luminaires.

- DALI-2 certified sensor
- Small form factor
- Aesthetic integration into luminaires, track systems or light strips
- Light sensor for constant light control
- Passive infrared motion sensor
- For use with any DALI-2-certified controller, e.g. LiveLink

TRILUX Standard

Our products cover the standard ambient temperature from -25 to +50 °C, as well as a light sensor range of 10–1000 lx, except TOC: 6001072600.

MOTION SENSOR

INTUSENS MINI R LI DALI-2 HIGH-BAY INPUT DEVICE



PASSIVE INFRARED

DALI 2

LiveLink Ready

Suitable for GModG/EPBD

Locations	
Private office	
open-plan office	
meeting room	
classroom	
Highbay racking	•
sports hall	•
Corridor	
WC	
Outdoor	•

White
TOC: 6001072500

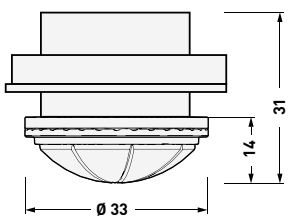
Black
TOC: 6001072600
without light sensor

Technical data

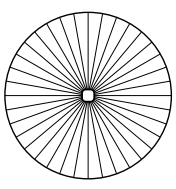
Mounting method	integrated luminaire
Commissioning	via DALI-2 control, e.g. LiveLink Premium
IP protection rating	IP66

supply voltage	via DALI
Max. DALI current consumption	10 mA
Segmental blanking	Yes

Dimensioned drawing

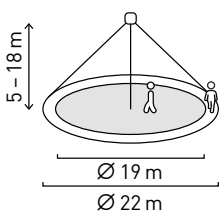


Detection angle



360°

Tangential and Radial



Details: page 64, Fig. 2

MOTION SENSOR

INTUSENS MINI R LI DALI-2 INPUT DEVICE HIGH BAY



PASSIVE INFRARED

DALI 2

LiveLink Ready

Suitable for GModG/EPBD

Deployment locations	
private office	
open-plan office	
Meeting room	
Classroom	
Highbay racking	•
sports hall	•
Corridor	
WC	
Outdoor	•

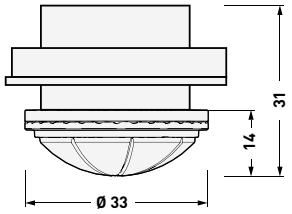
Black/White
TOC: 6001072700

Technical data

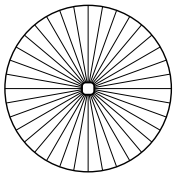
Mounting method	luminaire-integrated
Commissioning	via DALI-2 control, e.g. LiveLink Premium
IP protection rating	IP66

Supply voltage	via DALI
Max. DALI current consumption	10 mA
Segmental blanking	Yes

Dimensioned drawing

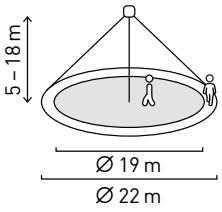


Detection angle



360°

Tangential and Radial



Details: page 64, Fig. 2

PRESENCE SENSOR

INTUSENS MINI S LI DALI-2 INPUT DEVICE LOW BAY



PASSIVE INFRARED

DALI 2

LiveLink Ready

Suitable for GModG/EPBD

Deployment locations	
Private office	•
open-plan office	•
meeting room	•
Classroom	•
Highbay racking	
sports hall	
Corridor	•
toilet	•
Outdoor	

White
TOC: 6001072800

Grey
TOC: 6001072900

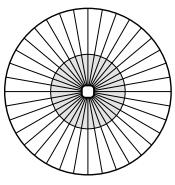
Black
TOC: 6001073000

Technical data

Dimensions B × H	20,4 × 46,4 mm
Mounting method	Luminaire-integrated
Commissioning	via DALI-2 control, e.g. LiveLink Premium
IP protection rating	IP20

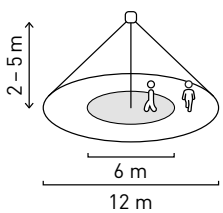
supply voltage	via DALI
Max. DALI current consumption	10 mA
Segmental blanking	No

Detection angle



360°

Tangential and radial



Details: page 64, Fig. 4

PRESENCE SENSOR

INTUSENS RAIL DALI-2 INPUT DEVICE LOW BAY



PASSIVE INFRARED

DALI 2

LiveLink Ready

Suitable for GModG/EPBD

Locations	
Private office	•
open-plan office	•
meeting room	•
classroom	•
Highbay racking	
sports hall	
Corridor	•
Toilet	•
Outdoor	

White
TOC: 6001073100

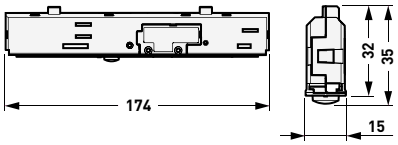
Black
TOC: 6001073200

Technical data

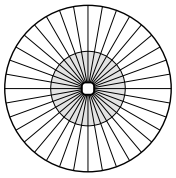
Mounting method	rail
Commissioning	via DALI 2 control, e.g. LiveLink Premium
IP rating	IP20

supply voltage	via DALI
Max. DALI current draw	10 mA
Segmental blanking	No

Dimensioned drawing

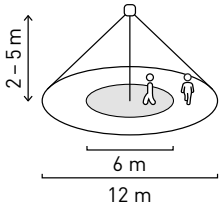


Detection angle



360°

Tangential and Radial



Details: page 64, Fig. 5

FOR THE DAYLIGHT-DEPENDENT CONTROL

Setpoint programming

The setpoint programming defines the desired illuminance from artificial light and daylight. Changes in the daylight contribution are automatically balanced by adjusting the artificial lighting.

The adjustment should be carried out in darkness or with shading. The measurement is carried out with a lux meter on the relevant evaluation surface, which must remain unchanged during storage. In industrial facilities, a placement of the sensors in the travel path with constant reflection conditions is recommended.

Detection range diagrams

The following diagrams show the detection ranges as a function of the mounting height. The detection range depends on several parameters; in addition to the mounting height, the size of moving objects and temperature differences also affect it. The curves are based on linear interpolation between the measurement points.

IntuSens Low Bay

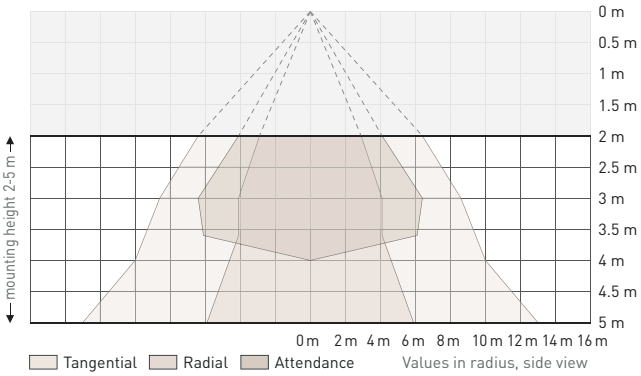


Fig. 1

IntuSens High Bay

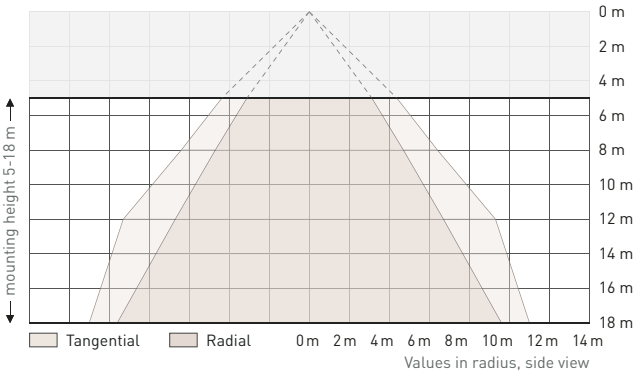


Fig. 2

IntuSens High Bay Corridor

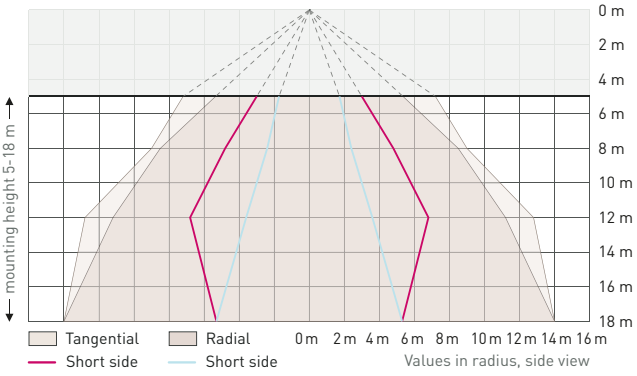


Fig. 3

IntuSens MiniS Low Bay

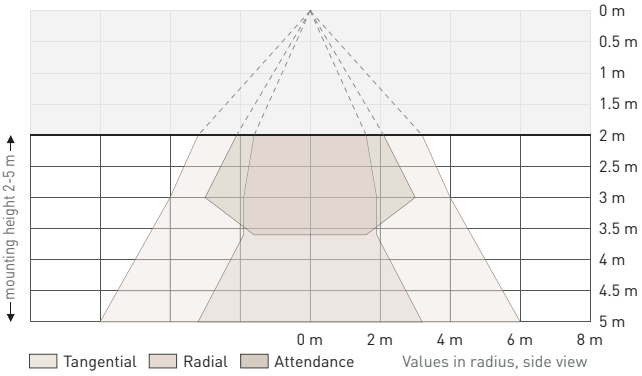


Fig. 4

IntuSens Low Bay Rail

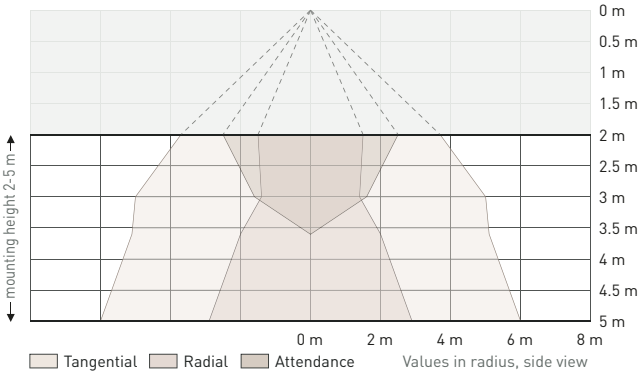


Fig. 5

COMPREHENSIVE EXPERTISE FOR YOUR PROJECT

Lighting Solutions & Services

LED transformation, digitalisation, increasing demands for energy efficiency, sustainability and more – modern lighting is more complex than ever. TRILUX makes this complexity manageable: with intelligent system solutions and a comprehensive service offering throughout the entire project lifecycle.



ORIENTATION AND SAFETY
We offer technology-neutral advice and determine which solutions suit your project — technically, economically and with sustainability in mind.



Relief & Implementation
From planning and configuration to installation and commissioning: On request, we will take care of all aspects of your lighting.



Savings & Financing
We develop commercial solutions, identify potential savings and offer flexible financing models – including off balance sheet financing.



Sustainability & Operations
Intelligent lighting control reduces energy consumption and CO_2 emissions. Digital services enable monitoring, optimisation and long-term operational reliability.

With TRILUX, you not only get sustainable lighting, but a holistic solution that works reliably in the long term.

Contacts

TRILUX GmbH & Co. KG
Heidestraße · D-59759 Arnsberg
Postfach 19 60 · D-59753 Arnsberg
Tel. +49 2932 301-0
sales@trilux.com
www.trilux.com

TRILUX LIGHTING LIMITED
TRILUX HOUSE, Winsford Way
Boreham Interchange
Chelmsford, Essex
CM2 5PD
Tel. +44 1245 463463
info.co.uk@trilux.com
www.trilux.com

All stated detection ranges refer to the respective maximum mounting height. All technical data including dimensional and weight specifications have been checked carefully. Any colour variations are due to the printing process. We reserve the right to make changes in the interest of progress. This brochure was printed in an environmentally friendly manner on PEFC certified paper.



INTUSENS

Today, sustainable lighting is no longer achieved by the luminaire alone. It results from the interplay of lighting, intelligent control and sensors. Because it is only sensor technology that makes it possible to control lighting in a needs-based, efficient and comfortable way – tailored to use, daylight and the space.

For our customers, this means greater planning certainty, easier implementation and a lighting solution that works today and proves its worth in the long term. That is exactly our commitment to sustainable lighting.