

Highlights 2018

Palais Livingston

TRIDONIC

Retail and Hospitality

Create a great experience
with minimalistic design.



TRIDONIC

Retail and Hospitality

Spot and downlight modules 7th generation

Experience the perfect spotlight



TRIDONIC

With the seventh generation of the SLE module series, Tridonic is opening up a new dimension in minimalist spotlight design, which is characterised by outstanding efficacy and excellent colour rendering. Retail applications in particular will benefit from a wide range of special colours, which are continuously being extended and improved.



available sizes:
LES 9, 13, 15, 17, 21

new TIM material for
better thermal connectivity



pre-hold feature

At a glance: SLE G7 ADVANCED/EXCITE

- Tridonic innovation: phosphor settlement to better cool the module
- Higher junction temperature: chip release up to 150 °C
- Improved derating curve for even smaller luminaires
- Efficiency now up to 182 lm/W



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Retail and Hospitality

In-track Driver for 230 V AC track systems

Invisible to the eye, but essential for perfect track lights



TRIDONIC

With the in-track drivers, Tridonic is opening up a new dimension in luminaire design. This is because the drivers and adapters, which are completely concealed in the 3-phase track, leave room for aesthetics and design. Thanks to the wide operating window and wattages of up to 40 W, the in-track driver can be combined with all LED spotlight modules.



At a glance: In-track LED driver solution

- New luminaire designs possible without trackboxes
 - Miniaturisation of luminaires
- No trackbox needed: reduced costs – reduced time for manufacturing
- Wide V_f range for LED's: from 4 – 42 V
- Flexible current selection via I-SELECT 2 PLUG (ADV), NFC (EXC)
- Very low flicker values (ripple <5%)



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Module DLE AC 3rd generation

Integrated downlight solution with high flexibility



TRIDONIC

With driver-on-board technology, the LED modules become compact single-component solutions for downlights – with unique efficacy. The output currents can be adjusted flexibly via the plug. As no driver boxes are required, installation is significantly easier.



At a glance: DLE AC G3

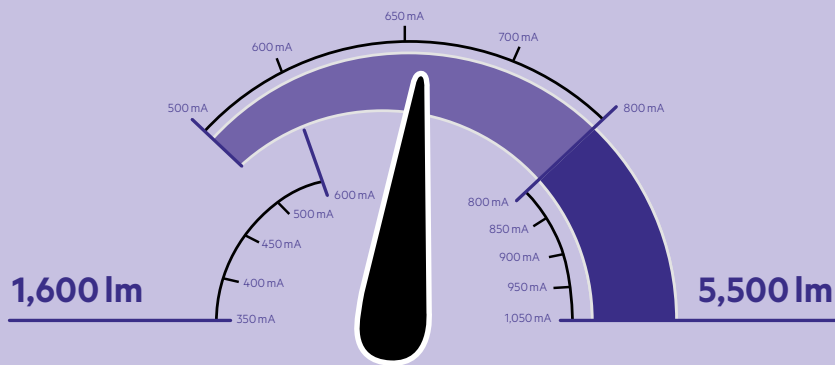
- No separate driver needed
- 2 variants: fixed-output (ADV) and dimmable one4all (PRE) (DALI, DSI, switchDIM or corridorFUNCTION)
- Electrically optimised systems
- Reduction in the amount of SKU
- Low flicker in all dim levels
- Full flexibility in design
- Improved efficiency up to 114 lm/W



Retail and Hospitality

Bundling brings movement into your spotlight design

Fewer components, more variety



100 % Tridonic



No flicker*



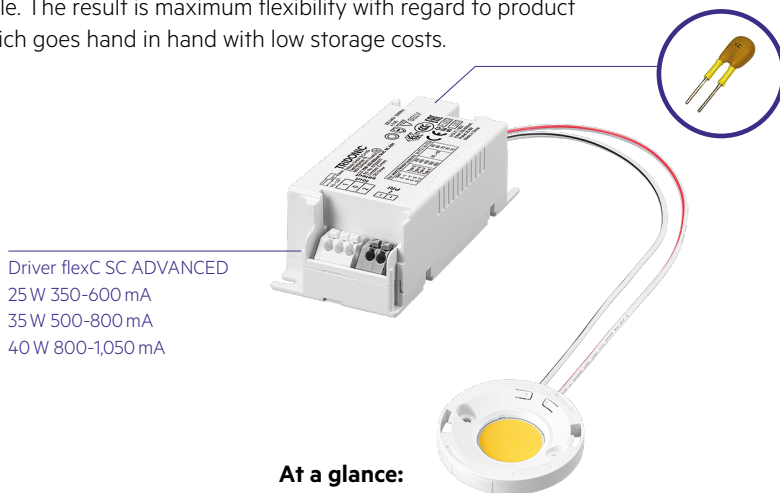
Designed for
best performance



Easy handling

TRIDONIC

Spotlights can now be manufactured even more efficiently:
Three drivers are sufficient to cover the entire lumen bandwidth of an LED module. The result is maximum flexibility with regard to product design, which goes hand in hand with low storage costs.



Driver flexC SC ADVANCED
25 W 350-600 mA
35 W 500-800 mA
40 W 800-1,050 mA

At a glance:

- Only one LES19 LED module for all common lumen packages for a luminaire
- Easy output current selection by plug, making it possible to use different amounts of luminous flux with one driver
- Stretched Compact housing just 97 mm in length for the further miniaturisation of spotlights and downlights, with optional strain relief
- Low ripple current ($\pm 5\%$) for flicker-free luminaires



Office and Education

Create livable space with
personalised solutions.



TRIDONIC

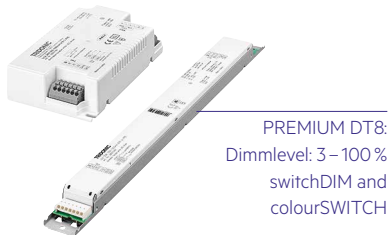
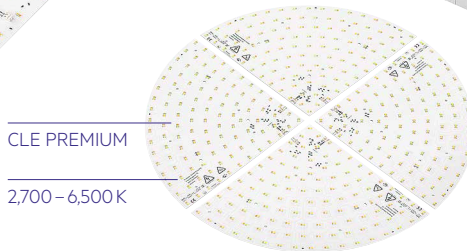
Office & Education

Tunable White driver, modules and control

Tunable White Technology made easy



Tunable White simulates the natural course of daylight, noticeably improving well-being and concentration. It does this using light colours ranging from cool-white to warm-white, allowing a high degree of individuality through variable adjustment. With its coordinated and technically perfected system of modules, drivers and controls, Tridonic offers artificial daylight dynamics at the highest level.



At a glance: Tunable White

- Calibrated Kits: driver and module for precise colour temperature locations even in dimming operation
- Colorimetric locus remain constant across all dimming levels
- Selectable colour temperatures in push button operation



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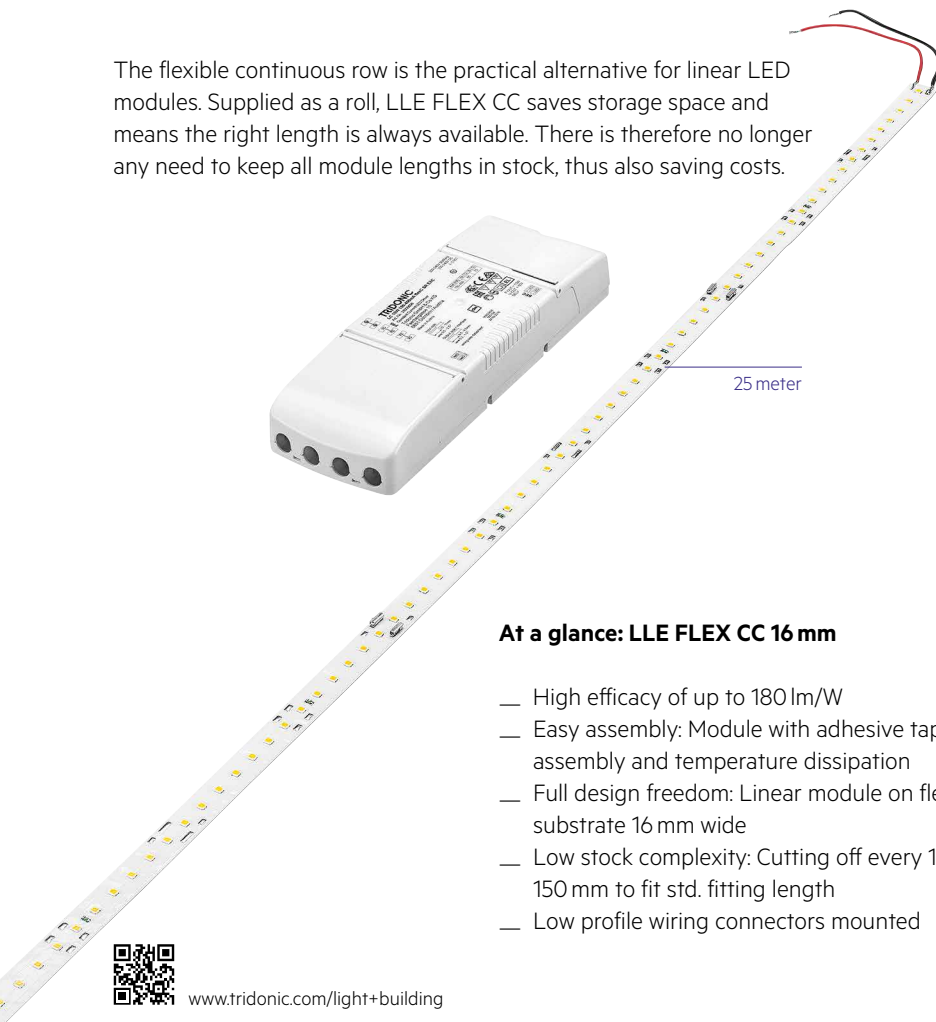
Module LLE FLEX CC 16 mm ADVANCED

The flexible method of linear lighting



TRIDONIC

The flexible continuous row is the practical alternative for linear LED modules. Supplied as a roll, LLE FLEX CC saves storage space and means the right length is always available. There is therefore no longer any need to keep all module lengths in stock, thus also saving costs.



At a glance: LLE FLEX CC 16 mm

- High efficacy of up to 180 lm/W
- Easy assembly: Module with adhesive tape for assembly and temperature dissipation
- Full design freedom: Linear module on flexible substrate 16 mm wide
- Low stock complexity: Cutting off every 140 mm / 150 mm to fit std. fitting length
- Low profile wiring connectors mounted



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Office and Education

Driver technologies meets emergency competence

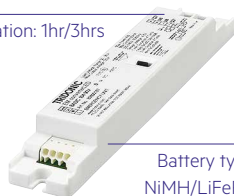
Safety from a single source



TRIDONIC

At Tridonic, the competencies of various disciplines merge. We can provide you with the entire portfolio for solutions in the fields of general and emergency lighting: LED Driver, LED modules, LED Light Engine, batteries and controls.

Duration: 1hr/3hrs



Battery types:
NiMH/LiFePO4

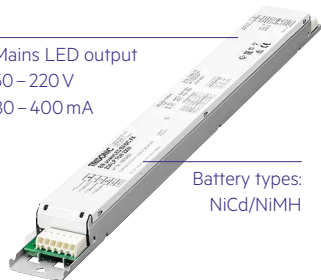
At a glance: EM converterLED BASIC LiFePO4

- Increased LED output voltage up to 250 V
- Optimised on battery cell-count to minimize maintenance costs
- Keep well approved form factor for seamless transition
- Further increased output current stability over the discharge curve of the battery

At a glance: EM powerLED BASIC 75 W Linear

- Combined LED and Emergency driver
- I-SELECT 2 compatibility (no need to stock a specific emergency plug)
- Reduction in wiring time and complexity for emergency luminaires
- Large operating window allows for a single product to be used in a wide range of luminaires helping to reduce stock variants

Mains LED output
50 – 220 V
80 – 400 mA



Battery types:
NiCd/NiMH



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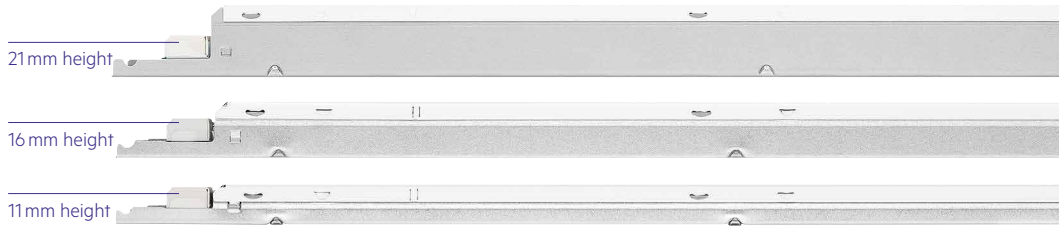
Driver LC one4all low profile 11/16 mm PREMIUM

Small but powerful



TRIDONIC

The new dimmable 16 mm or even 11 mm low profile drivers enable even more freedom in luminaire design while offering the same high technical standard as all Tridonic PREMIUM drivers such as low flicker and 1 – 100% dimming. The new NFC interface allows wireless programming during production. An integrated 14 V DALI power supply allows for a new way of sensor integration (16 mm only).



50 W and 75 W nonSELV variants with 100 – 400 mA constant current output

At a glance: Driver PREMIUM 11/16 mm

- For stand alone luminaires and smaller room applications which demands a sensor, the integrated solution brings advantages in luminaire design and installation
- Integrated DALI powers supply (po4a)
- Keeping the same width of 30 mm with a length of 360 mm
- NFC interface for wireless programming during luminaire manufacturing

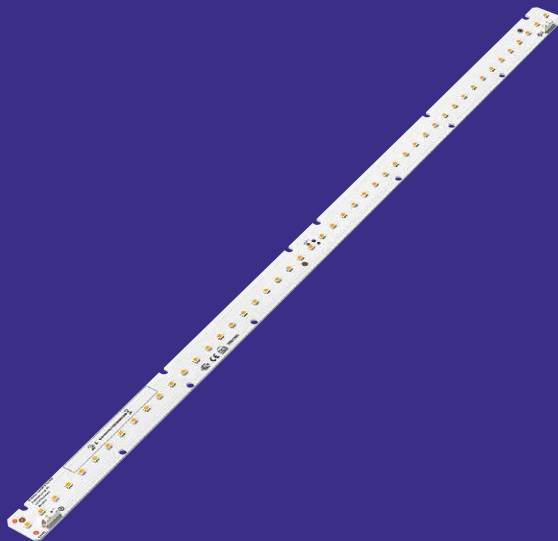


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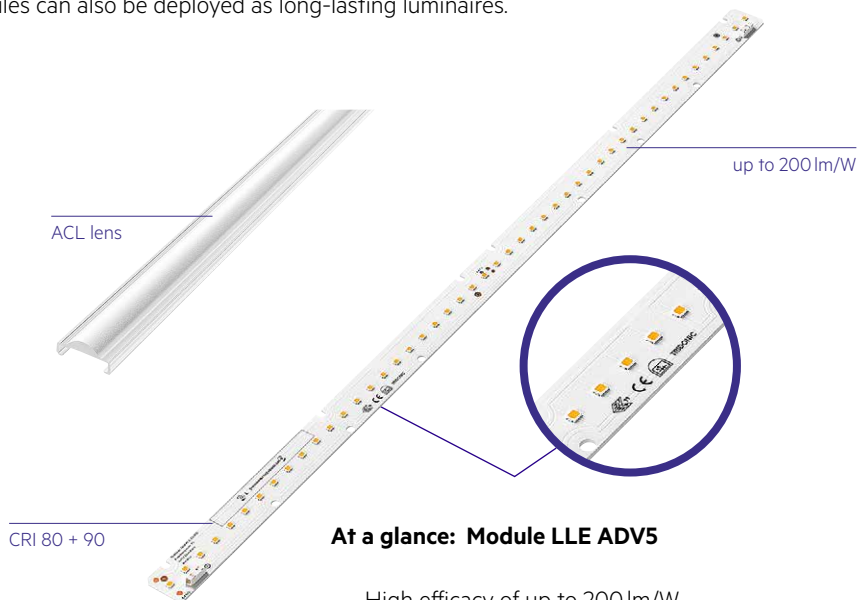
Module LLE ADVANCED 5th generation

Outstanding efficacy for linear lighting



TRIDONIC

The fifth-generation linear module now offers up to 200 lm/W. Available in several Zhaga-compliant lengths, complete flexibility, design freedom and easy installation go hand in hand. And with the matching lenses, the modules can also be deployed as long-lasting luminaires.



At a glance: Module LLE ADV5

- High efficacy of up to 200 lm/W
- New generation of CRI 90 and SELV modules
- Increased lifetime of 72,000 hours
- ZHAGA compliant mounting holes
- Design-in made easy: ZHAGA compliant lengths



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Outdoor and Industry

Create urban value with
intelligent lighting.

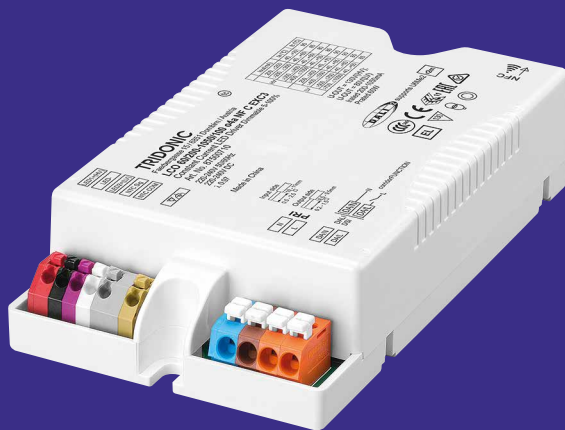


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Outdoor and Industry

All you need for an open city infrastructure

Efficient, safe and innovative outdoor lighting



TRIDONIC

The new product range combines several products to fulfill all requirements in outdoor lighting – ranging from drivers with fixed output and flexible current selection, a simple dimming feature to a complex IoT solution. For a wider application area, the forward voltage as well as the current selection have been extended. The optimised LED modules, the new sensor and the protection device ensure an efficient and safe operation.



Driver ADVANCED, EXCITE or PREMIUM (EU or US)

- Connected (powered DALI, LVPS)
- Dimmable (DALI)
- Universal Voltage class P or HL (0-10 V)



Modules RLE

- High-power (2 x 4, 2 x 6, 2 x 8)
- Mid-power (2 x 16, 4 x 16)



Surge Protection Device (SPD)

- Compact factor (IP20)
- Linear factor (IP66)
- Protection 10 kV



Streetlight mid-bay PIR sensor

- Motion and light dependent detection
- Area of detection (<7 m w / 10 m h)
- IP67



Outdoor and Industry

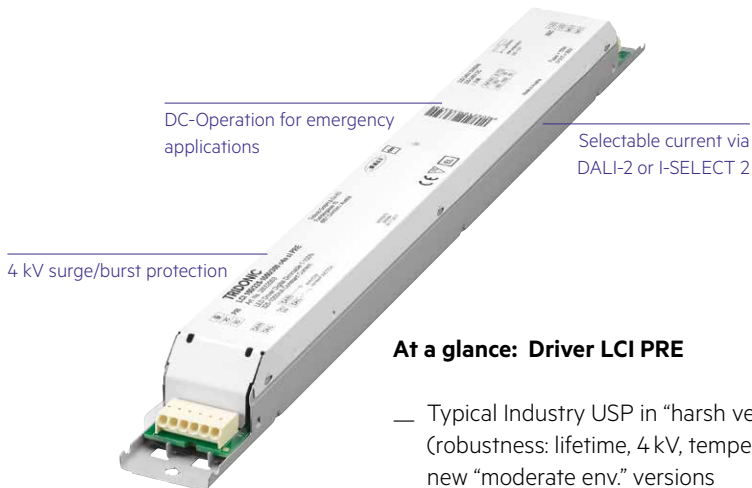
Driver LCI 100 / 150 W one4all PREMIUM

Extended temperature ranges for low maintenance



TRIDONIC

High ceilings, challenging environments and harsh atmospheres place huge burdens on lighting systems and maintenance is often associated with high costs. For industrial applications, Tridonic combines the benefits of the indoor segment with those of outdoor products. This results in LED solutions with high efficiency, low standby losses, and a life of 100,000 hours.



At a glance: Driver LCI PRE

- Typical Industry USP in “harsh versions” (robustness: lifetime, 4 kV, temperature range) + new “moderate env.” versions
- Extended testing to secure industry standards
- Optimized dimensions (max. 360 mm length) for high bay applications
- Extended temperature range: -40...+70°C



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Outdoor and Industry

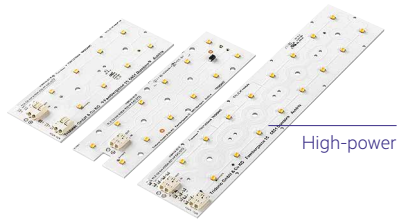
Module RLE OUTDOOR 2nd generation

Efficient, innovative and flexible



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Tridonic launches a new generation of its RLE Outdoor modules that are efficient, innovative, and flexible. mid-Power Modules are designed for state-of-the-art efficacy while high-power modules offer greater versatility. The new 2x6 HP form factor will be compatible with LEDIL's IP67 lenses and enable cost-efficient luminaire designs. All form factors conform to Zhaga to warrant for a flexible selection of lenses.



223 x 49 mm: 2 x 8
121 x 49 mm: 2 x 4
146 x 49 mm: 2 x 6



223 x 49 mm: 4 x 16
121 x 49 mm: 2 x 16

At a glance: RLE G2 HP EXC OTD

- Zhaga conform to enable flexible selection of lenses
- High luminous efficacy
- 6 kV surge+burst resistance in combination with Tridonic Outdoor driver
- Extended lifetime of 100,000 hrs

At a glance: RLE G2 MP ADV OTD

- Mid-power LED technology with state-of-the-art efficacy
- Zhaga conform to enable flexible selection of lenses
- Less glare
- 6 kV surge+burst resistance in combination with Tridonic Outdoor driver



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Controls and Connectivity

Create intelligent buildings
with integrated systems.



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Controls and Connectivity

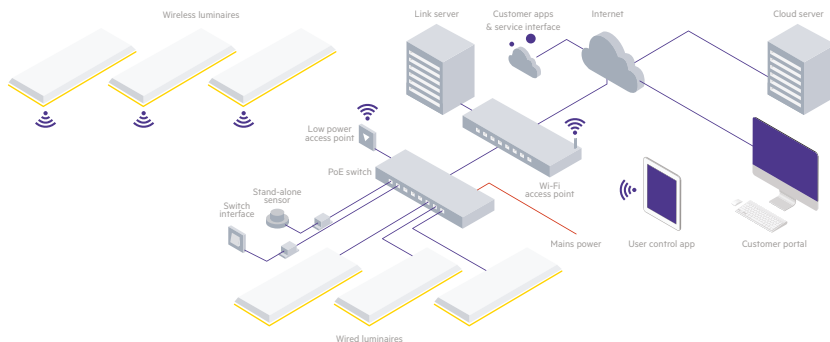
net4more

Intelligent IP connected lighting for smart buildings



TRIDONIC

net4more is an ecosystem that provides direct access to the Internet of Things. Using the infrastructure of light as a starting point, IP technology allows us to explore a whole new universe of solutions for open, scalable and flexible networks – with the overarching vision of transforming individual buildings or entire cities into CO₂-neutral, smart and innovative locations. net4more provides a comprehensive portfolio of hardware and software that is designed for easy planning, commissioning, operation and interoperability.



net4more ...

... connects the lighting installations and its functionalities to the IP world, making unprecedented amounts of information visible.

... opens the lighting infrastructure, enable 3rd parties to offer new services, business models or innovative applications.

... offers a fully scalable concept, allowing any size of building or city to base their IoT ideas on.

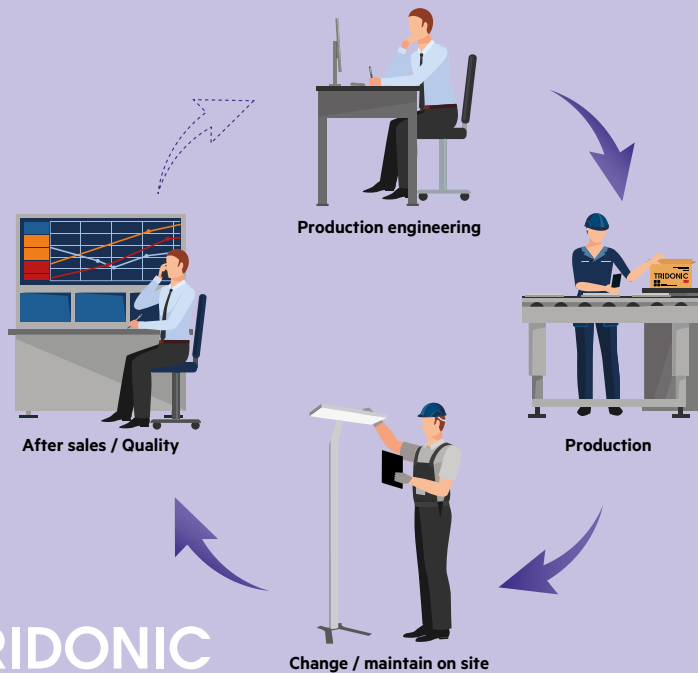


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Controls and Connectivity

companionSUITE

Tridonic software simplifies parameter settings



Tridonic offers more than just high-quality LED hardware. Intelligent and easy-to-use apps and software programmes support luminaire manufacturers with all work processes – from luminaire configuration in the plant to on-site settings and quality assurance.



deviceGENERATOR

- Optimising the production processes with easy integration to secure the right settings and limit failure rates
- Graphical interface to create driver settings



deviceCONFIGURATOR

- Software for easy and secure parameter-setting at production line
- Batch counting and tracking



deviceANALYSER

- Read-out of the driver parameter to be compared to those originally configured
- Deviations are highlighted
- A detailed device image can be created to send it to Tridonic for further analysis.



4service

4service gives installation professionals and maintenance engineers the option of changing the parameters programmed for outdoor luminaires both before and after installation as well as during operation to suit particular needs and situations. An NFC driver in every luminaire is the only requirement here. Good to know: none of the saved data is lost even if a driver is replaced. The data can still be read via the app and can therefore be easily transferred to a new driver.

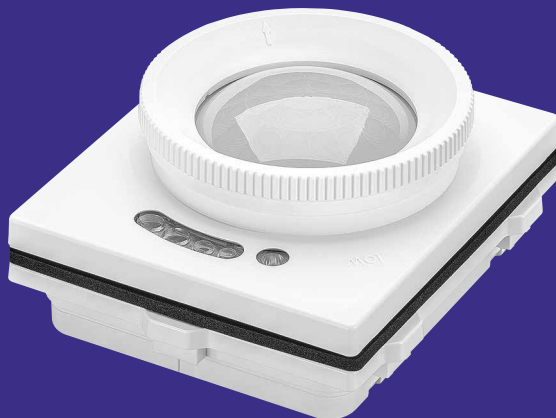


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Controls and Connectivity

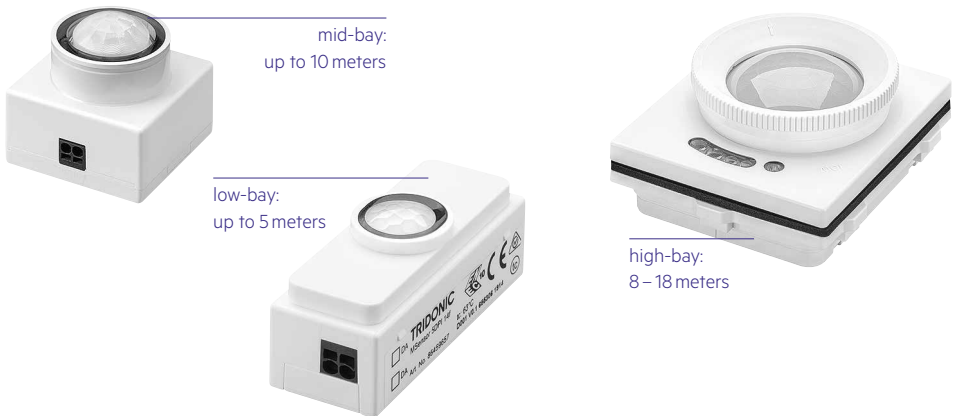
MSensors 3rd generation

Low-, mid- and high bay applications



TRIDONIC

In the age of intelligent lighting, sensors are an essential component of any lighting system. Latest DALI specification now open for controls, paving the way for sensors to engage in simple bus communication.



At a glance: MSensor PIR G3

- Scalable solution: from small and medium DALI systems up to BMS integration
- Easy integration in lighting control systems
- IP65 protection from the front side
- Motion and ambient light detection
- Black or white housings available for wireless and stand-alone applications



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