

Highlights

and new products
Autumn 2022

Interview

Stefanie Neier and Hermann Marte

Let emergencies be our problem

A new approach to emergency lighting

Sustainable Tridonic

Action instead of talk

TRIDONIC



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Focus on sustainability

Sustainable action is becoming increasingly important in all areas

For more than two decades, Tridonic has been committed to driving the transition to a more sustainable system, which is why a dedicated team at our company, supported by an interdisciplinary sustainability team, has now taken on the challenge and is working to accelerate this process.

Because the team's tasks also include external communication, we'd like to use this opportunity to talk about both past achievements and future goals.

Over the next few pages, Stefanie Neier and Hermann Marte from our Sustainable Tridonic team provide an insight into the programme and explain how we are implementing our ambitious sustainability goals.

Another focal point in recent weeks was the launch of our communications campaign on emergency lighting, an area in which we are emerging as problem solvers who are able to significantly simplify this issue.

Your Tridonic Team



Action instead of talk

Sustainable Tridonic

Here at Tridonic, we have our own team dedicated exclusively to sustainability. Stefanie Neier and Hermann Marte give us an interesting insight into their working day and tell us how they are working on achieving our ambitious sustainability goals.

What does the sustainability team do? Stefanie: We work very systematically on various issues at the same time. One of these is carbon neutrality – we want to be CO₂-neutral by 2025. That is why I've recently been working with all the production facilities to create an action plan aimed at further reducing greenhouse gas emissions.



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Another issue is waste. Having already continually minimised our own waste and carried out waste analyses, we're now also contacting suppliers with the aim of having them provide us with environmentally friendly packaging material, and less of it.

We're also increasing internal and external communication about our Sustainable Tridonic programme in line with our catchphrase 'do good and talk about it'. To this end, we've created an employee learning platform that contains important information about our programme. I'm also working on creating newsletters, webinars, reports and so on for external communication purposes. In the next step, we'll focus more closely on social issues and will apply for a sustainability rating that will help us identify potential for improvement and create transparency externally.



Action instead of talk

Sustainable Tridonic

When was the Sustainable Tridonic programme launched? Hermann: Sustainability has always been an important aspect of the organisation. Our environmental management system has been ISO-certified for almost 20 years now. We've also been providing our customers with environmental product declarations (EPDs) for almost as long.

In 2015/16, we introduced a comprehensive greenhouse gas reporting system, while in 2021 the Sustainability specialist team, which Steffi and I staff full time, was set up.



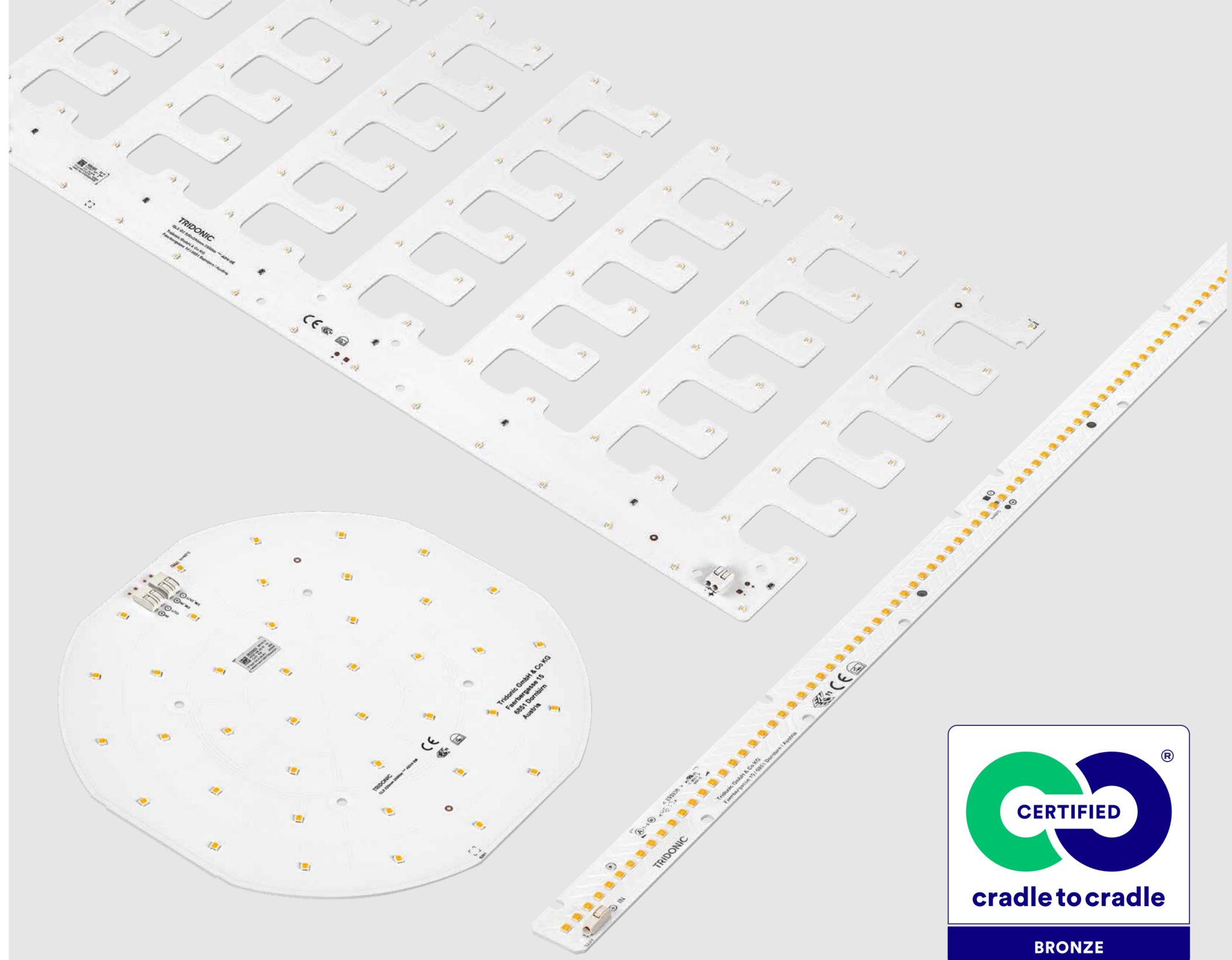
Action instead of talk

Sustainable Tridonic

What's happening in terms of products?

Hermann: A lot is happening with the products, especially in relation to the circular economy. Here we've gone with the Cradle to Cradle® (C2C) approach in order to design products that are completely suitable for the circular economy and to minimise negative effects on the environment. The first LED modules in the industry have already been certified, and we're just starting to certify selected Generation 4 drivers.

With Generation 4 in particular, the focus was on sustainable design right from the start. Our technology and innovation department has worked hard on this, using simulations and analyses to create a compact design with comparably few components. In a one-to-one comparison with the previous devices, GEN4 drivers were 20% lighter, which of course also saves resources.



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In addition to the products themselves, packaging is also a major issue and an area in which we're facing new challenges – our products are sensitive electronics whose packaging must meet strict requirements.

A pilot project is currently underway in order to find the best alternatives to the packaging currently in use, with the aim of using fully recyclable packaging materials by 2024. This is also helping our customers to increase their recycling rates.



Action instead of talk

Sustainable Tridonic

Can you tell us about the opportunities the Sustainable Tridonic programme offers our employees in Sales? Stefanie: Especially in view of new regulations such as the CSR Directive and the EU taxonomy, sustainability and the disclosure of key figures are becoming legally binding. This means that customer enquiries about sustainability are steadily increasing. This actually applies across the board, from the company's greenhouse gas emissions and products to packaging waste, compliance and social issues. Of course, there's also a strong emphasis on improving the circularity of our products, with customer partnerships helping us come closer to achieving this.

The aim of the Sustainable Tridonic programme is to meet customer requirements and make a significant contribution to this transformation.



Driver flexC / one4all NFC h16 EXC4 non-SELV

LC 90 W / 120 W

These 90-watt and 120-watt drivers feature all the benefits of Generation 4. In addition to the optimised operating window for maximum flexibility, these benefits also include the smaller housing for more freedom in the luminaire design. Generation 4 is the first driver series to offer a 120-watt version with a 16-millimetre housing.

- Simplified luminaire design thanks to low height and backwards compatibility
- Available in dimmable and non-dimmable variants
- Quick and simple configuration using companionSUITE
- Future-proof thanks to lumDATA, which saves and shares essential luminaire data
- Simple software updates during operation for dimmable variants via the one4all interface
- Long lifetime of 100,000 hours

Available products, non-dimming

- [LC 90 W 150–400 mA 310V flexC NF h16 EXC4](#)
- [LC 90 W 200–800 mA 220V flexC NF h16 EXC4](#)
- [LC 120 W 350–1050 mA 230V flexC NF h16 EXC4](#)



Height 16 mm



LC 90 W 150–400 mA
flexC NF h16 EXC4

Available products, dimming

- [LC 90 W 150–400 mA 330V o4a NFC h16 EXC4](#)
- [LC 90 W 200–800 mA 230V o4a NFC h16 EXC4](#)
- [LC 120 W 350–1050 mA 230V o4a NFC h16 EXC4](#)



Driver flexC / one4all / basicDIM Wireless NFC SC EXC3

LC 14 W / 28 W / 38 W

This new driver family completes our range for spotlight and tracklight applications. Depending on requirements, two dimmable variants with one4all or basicDIM Wireless interfaces and a non-dimmable model are available. They are equipped with the latest technologies such as an NFC interface and lumDATA.

- Accommodates several luminaire variants with just one luminaire design thanks to universal 97 mm installation length
- Simple to store thanks to wide operating window and optional strain relief for downlight applications
- Quick and simple configuration using companionSUITE
- Future-proof thanks to lumDATA, which saves and shares essential luminaire data
- Long lifetime of up to 100,000 hours

[More information >](#)



LC 14 W 100-400 mA 42 V bDW NF SC EXC3

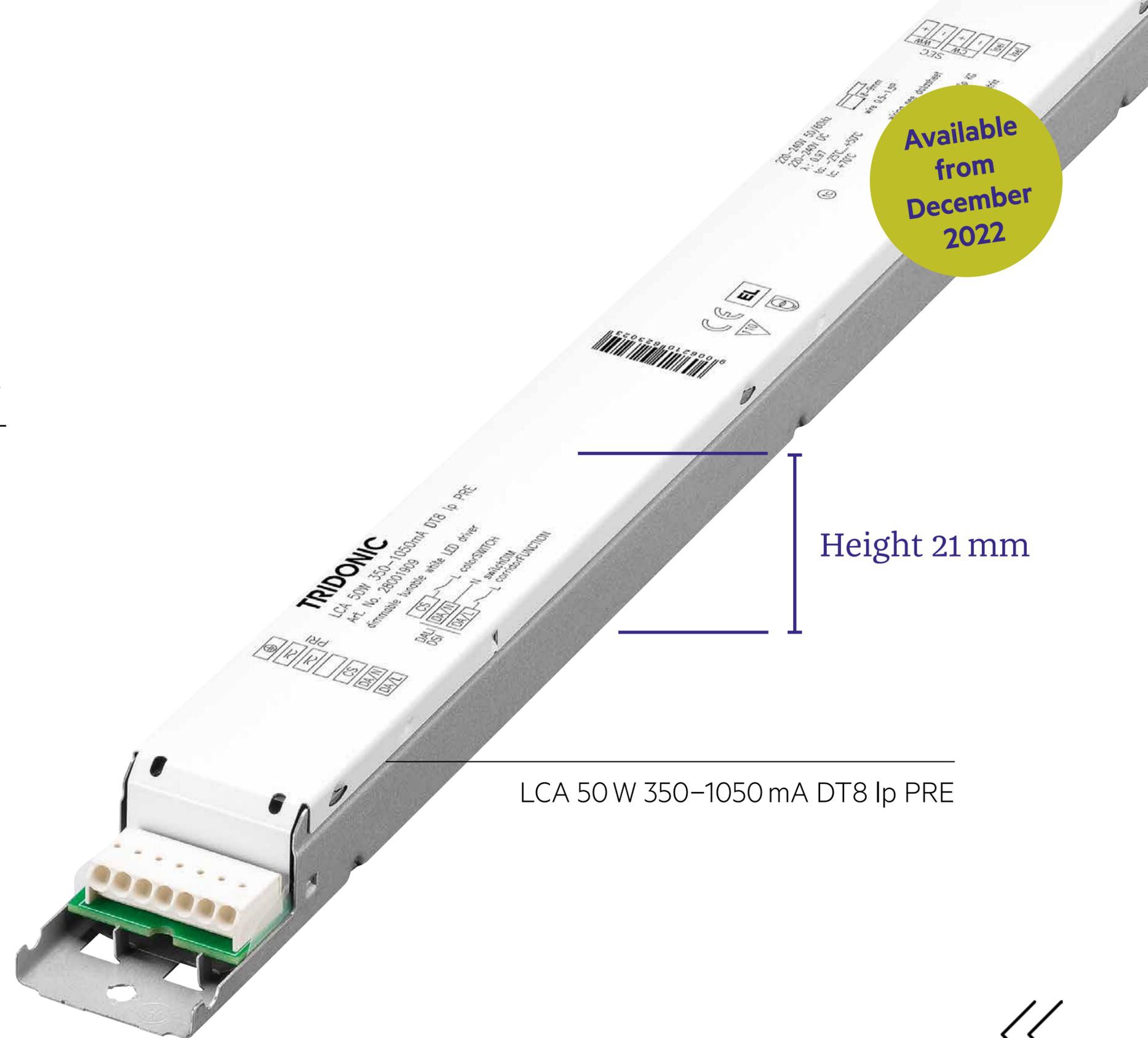


Driver Tunable White DT8 Ip PRE

LC 50 W / 85 W / 100 W

Thanks to lumDATA, the dimmable two-channel drivers for Tunable White applications meet the latest DALI-2 specifications for the storage and transmission of essential data. The product series therefore not only enables dynamic lighting with adaptable colour temperatures, but also lays the foundations for future-proof solutions with simple facility management, energy control and much more.

- Low height for more flexibility in luminaire design
- Broad range of applications thanks to wide operating window
- Now with lumDATA
- Quick and easy configuration using companionSUITE
- Energy savings thanks to high efficiency and low standby losses
- corridorFUNCTION, colourSWITCH and switchDIM for simple luminaire control
- Long lifetime of up to 100,000 hours



Available from December 2022

Height 21 mm

LCA 50 W 350-1050 mA DT8 Ip PRE



Wireless Matter products



Available from December 2022

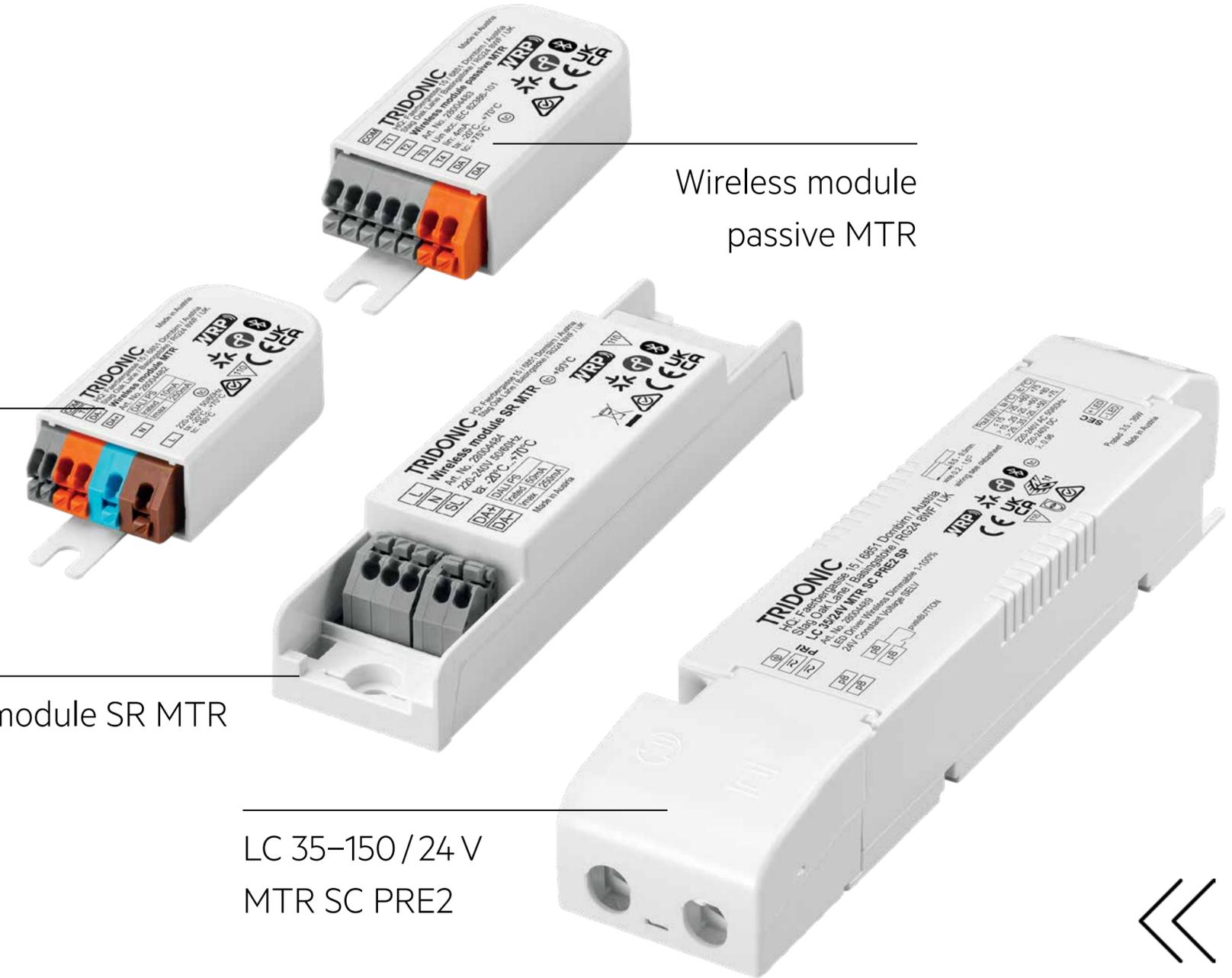
Matter is an open-source standardised language for connecting smart devices – it's designed so that any company can use it to make smart devices, mobile apps and cloud services communicate and work seamlessly together. Apple, Google and Amazon – the big-gest names in the tech industry – have already announced that their ecosystems are compatible, while Tridonic joins them at the cutting edge of technology with Matter-ready wireless lighting products.

Wireless Matter CV drivers

- Ambient lighting application
- Dimmable 24 V constant voltage
- Available in 35 W, 60 W, 100 W, 150 W

Wireless Matter to DALI modules

- Upgrade any DALI luminaire to be Matter-ready
- Retrofit to existing installations
- Make any wall switch Matter-ready via low-voltage inputs
- Available with strain relief and integrated DALI PS up to 50 mA



Wireless module MTR

Wireless module passive MTR

Wireless module SR MTR

LC 35-150 / 24 V MTR SC PRE2



Let emergencies be our problem

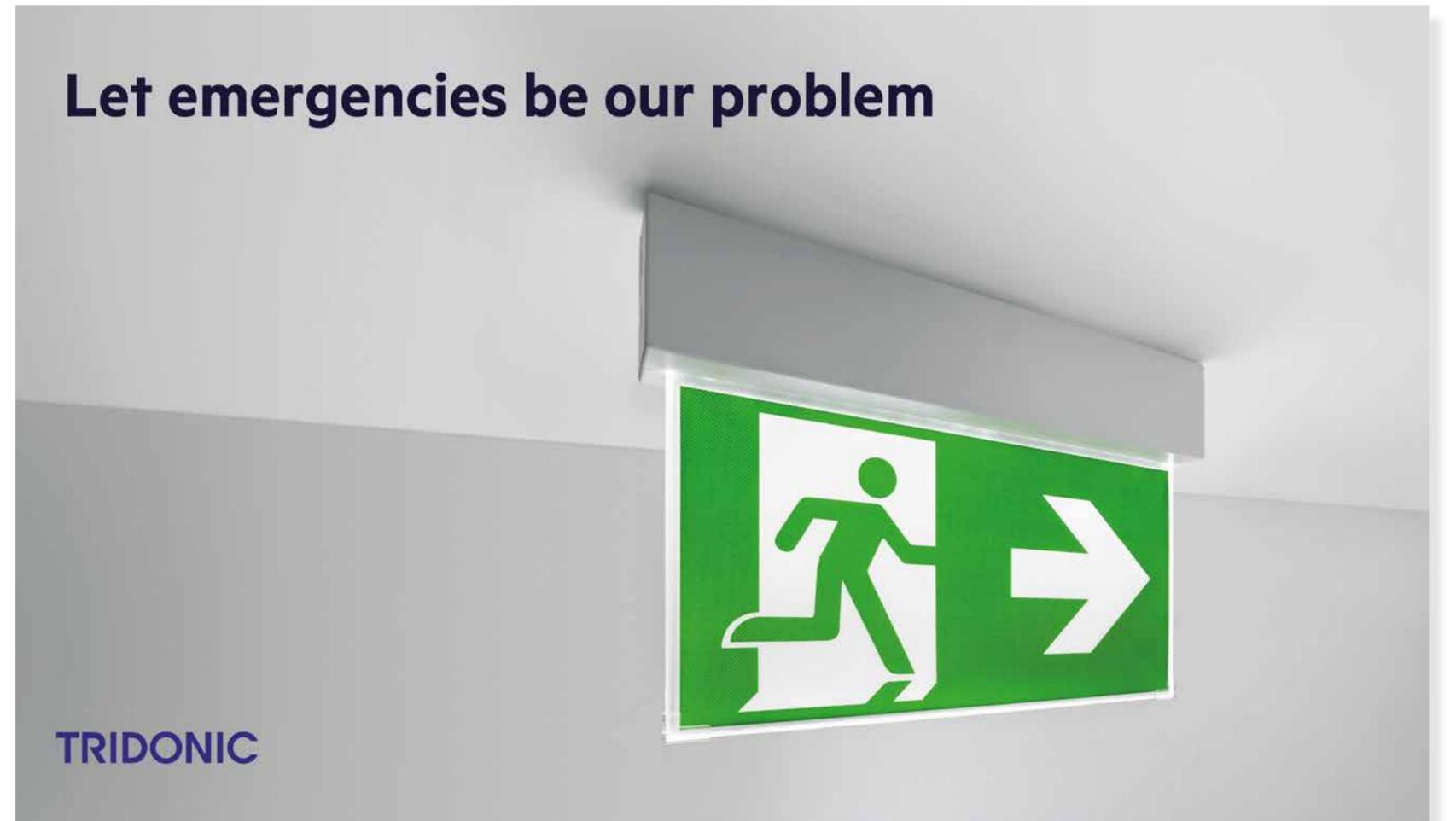
A new approach to emergency lighting

Much of our success can be attributed to the fact that we are more than just a reliable component supplier for our customers. We are also expert advisors with a precise understanding of the market, customer requirements and the latest technical developments.

Ideally, we want to inspire our customers to choose new products or offers, something from which all participants ultimately benefit. We are currently focussing on emergency lighting. Our aim is to offer our OEM customers as simple and complete a solution for this universal issue as possible.

And we have succeeded in doing so, in line with our slogan 'Let emergencies be our problem', in the form of five clever solutions that meet all common requirements, clearly presented in a smart booklet, with plenty of images and not too many words.

Available
from
October
2022



Safety luminaire EM ready2apply

Available
from
December
2022

With an output power of 4 watts, this ready2apply luminaire is suitable for ceiling heights of up to 14 metres, such as those in warehouses and production halls. Three lenses for anti-panic, escape route and spotlight lighting cover all the tasks required of emergency lighting.

- Surface-mounted luminaire with compact design
- Large range of applications for simplified storage
- Simple installation with loop-through wiring
- Battery type: LiFePO_4 with extended guarantee of 6 years
- Long lifetime of up to 100,000 hours

Safety luminaire EM ready2apply



MSensor SFI 40 PIR 5DP bDW

Available
from
December
2022

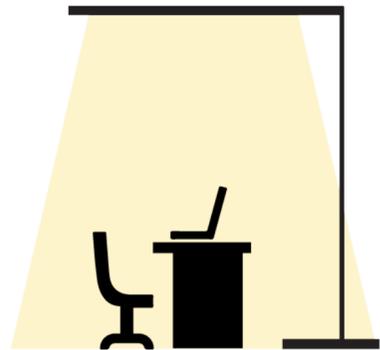
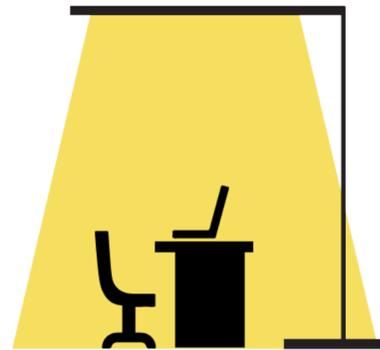
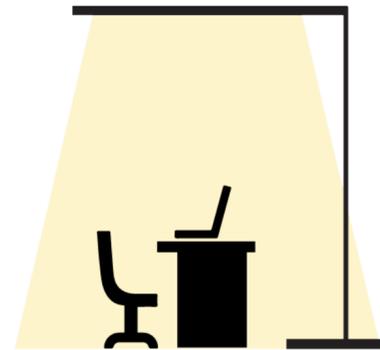
This Casambi-ready built-in sensor is the perfect motion and light detection sensor for smart basicDIM wireless luminaires. Thanks to the integrated antenna, which is located outside the luminaire housing, it guarantees optimal wireless performance, even for metal luminaires. The sensor has been designed in accordance with the Zhaga Book 20 standard, making it extremely easy to upgrade luminaires at any time, even retrospectively – for a sustainable, future-proof solution.

- For indoor applications and ceiling heights of up to 5 metres
- Multiple mounting options and maximum flexibility thanks to Zhaga Book 20 standard
- Suitable system solutions thanks to large selection of one4all drivers and LED modules
- 2-in-1: PIR sensor combined with passive module
- Can be controlled wirelessly using an Android or iOS device
- Lifetime of up to 50,000 hours

MSensor SFI 40 PIR 5DP bDW



SWARM function



Control module basicDIM ILD G2 FSL 5DPI

Available from December 2022

This smart built-in sensor is perfect for single-head free-standing luminaires with direct and indirect lighting. Not only can it automate the illuminance depending on motion and daylight and thus save energy, it can also control direct and indirect illumination separately. This functionality and the modular system structure guarantee maximum flexibility, allowing different customer needs to be met on an individual basis.

- Suitable system solutions for dimmable and Tunable White free-standing luminaires thanks to a large selection of one4all drivers and LED modules
- Choose from driver-integrated DALI-2 voltage supply and the easy-to-integrate basicDIM IPS as required
- DALI-2 momentary-action switch input for additional manual control
- adaptiveSWARM module for simple-to-connect luminaires
- Quick and simple configuration during luminaire manufacturing process using companionSUITE
- Simple to commission and control thanks to intuitive infrared remote control
- Zhaga Book 20-compatible form factor for simple and sustainable luminaire upgrades

basicDIM ILD G2 FSL SFI 30 5DPI



adaptiveSWARM module CFI 30 IR

Available
from
December
2022

Free-standing or suspended luminaires equipped with this D4i-certified plug-and-play module can interact with each other within a room and use the SWARM function – the simplest way to create pleasant ambient lighting and a feeling of well-being. Thanks to the Zhaga Book 20-compatible socket, the adaptiveSWARM module can also easily be clicked onto the luminaire from the outside at a later date with no need for additional wiring or configuration, for an environmentally friendly and future-proof solution.

- Preconfigured for immediate use, quick and easy to reconfigure using companionSUITE
- Wireless communication via reflective ceiling surface with infrared technology
- Optional connector for simple installation from the outside
- D4i-certified, Type B
- Long lifetime of up to 100,000 hours



adaptiveSWARM CFI 30 IR DA2



MSensor OTD SFI 30 PIR 10DP DA

The D4i-certified multi-sensor with presence and daylight detection has been specially developed for harsh environments. The sensor's small housing and correspondingly unobtrusive appearance mean it can be simply and discreetly integrated into luminaires. For outdoor luminaires or streetlights with luminaire posts of up to 10 metres in height it's the perfect solution.

- Presence and daylight sensor
- Small housing for simple and unobtrusive integration
- Mounting height of up to 10 metres
- IP66 and IK05 protection
- Parameters can be individually adjusted in companionSUITE
- Power supply via DALI line
- Shutter for preventing presence detection in particular areas
- Fully compatible with the SIDEREA ecosystem (including groupCONTROL)

[More information >](#)



We manage light

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