

# 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



# Table of contents

|  |                        |     |
|--|------------------------|-----|
| Action instead of talk >                               | Sustainable Tridonic   | 4–9 |
| Driver LCI 220 W pD NFC h28 PRE4 >                     |                        | 10  |
| Driver flexC / one4all NFC h16 EXC4 non-SELV >         | LC 90 W / 120 W        | 11  |
| Driver flexC / one4all basicDIM Wireless NFC SC EXC3 > | LC 14 W / 28 W / 38 W  | 12  |
| Driver Tunable White DT8 Ip PRE >                      | LC 50 W / 85 W / 100 W | 13  |
| Wireless Matter CV products >                          |                        | 14  |
| Let emergencies be our problem >                       |                        | 15  |
| Safety luminaire EM ready2apply >                      |                        | 16  |
| MSensor SFI 40 PIR 5DP bDW >                           |                        | 17  |
| SWARM function >                                       | Infographic            | 18  |
| Control module basicDIM ILD G2 FSL 5DPI >              |                        | 19  |
| adaptiveSWARM module CFI 30 IR >                       |                        | 20  |
| MSensor OTD SFI 30 PIR 10DP DA >                       |                        | 21  |



# 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 CO<sub>2</sub>-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.





# Action instead of talk

## Sustainable Tridonic

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.





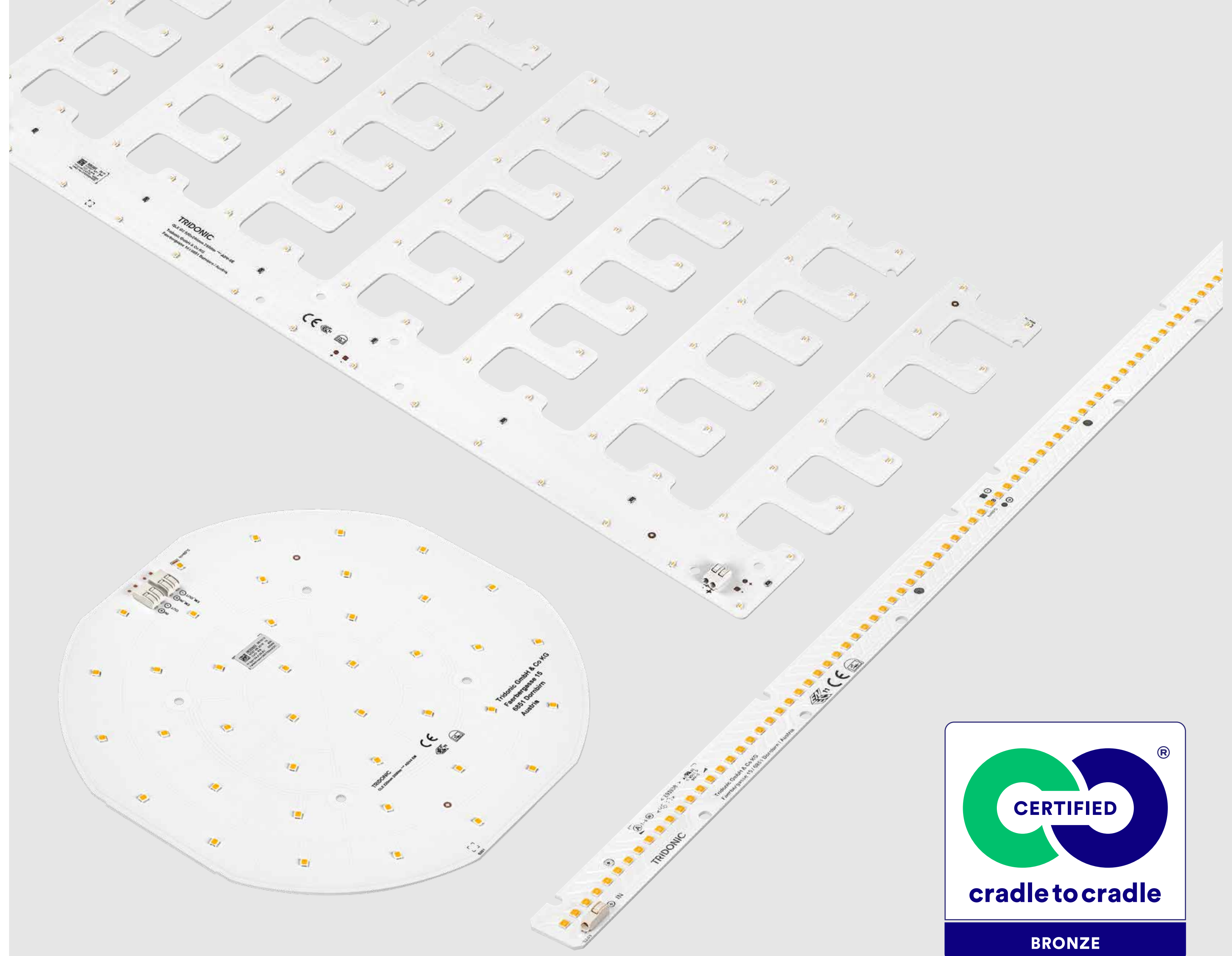
# Action instead of talk

## 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.





# Action instead of talk

## Sustainable Tridonic

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

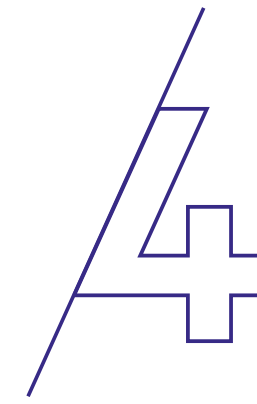
**Can you tell us about the opportunities the Sustainable Tridonic programme offers our employees in Sales?** Stefanie: Especially in view of new regulations such as the CSR Directive and the EU taxonomy, sustainability and the disclosure of key figures are becoming legally binding. This means that customer 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.



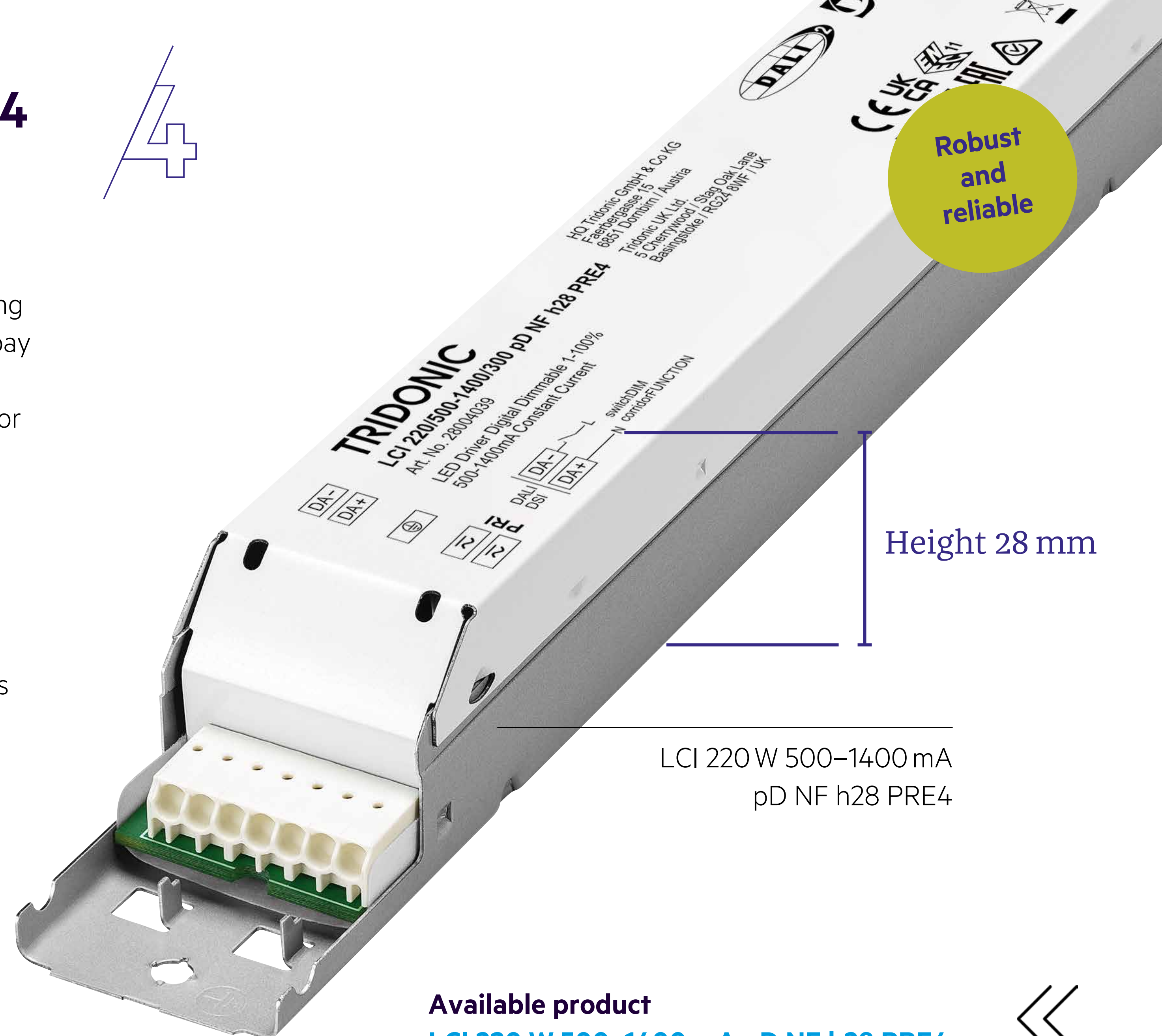


# Driver LCI 220 W pD NFC h28 PRE4



This robust and reliable driver is particularly suitable for challenging areas of application such as production and assembly halls, high-bay warehouses or exhibition halls. With 220 watts of power, a single driver can operate industrial luminaires of up to 40,000 lumens. For manufacturers, this means less wiring and lower costs.

- Dimmable constant-current driver with integrated DALI bus voltage supply for D4i luminaires
- Future-proof thanks to lumDATA, which saves and shares essential luminaire data
- Integrated inrush current limiter to prevent peak inrush currents
- Quick and simple configuration using companionSUITE
- Extended temperature range: -40 to +75 °C
- Long lifetime of up to 100,000 hours at an ambient temperature of 65 °C
- 8-year guarantee



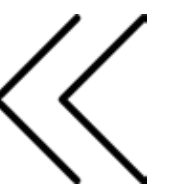
Robust  
and  
reliable

Height 28 mm

LCI 220 W 500–1400 mA  
pD NF h28 PRE4

**Available product**

**LCI 220 W 500–1400 mA pD NF h28 PRE4**





# 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



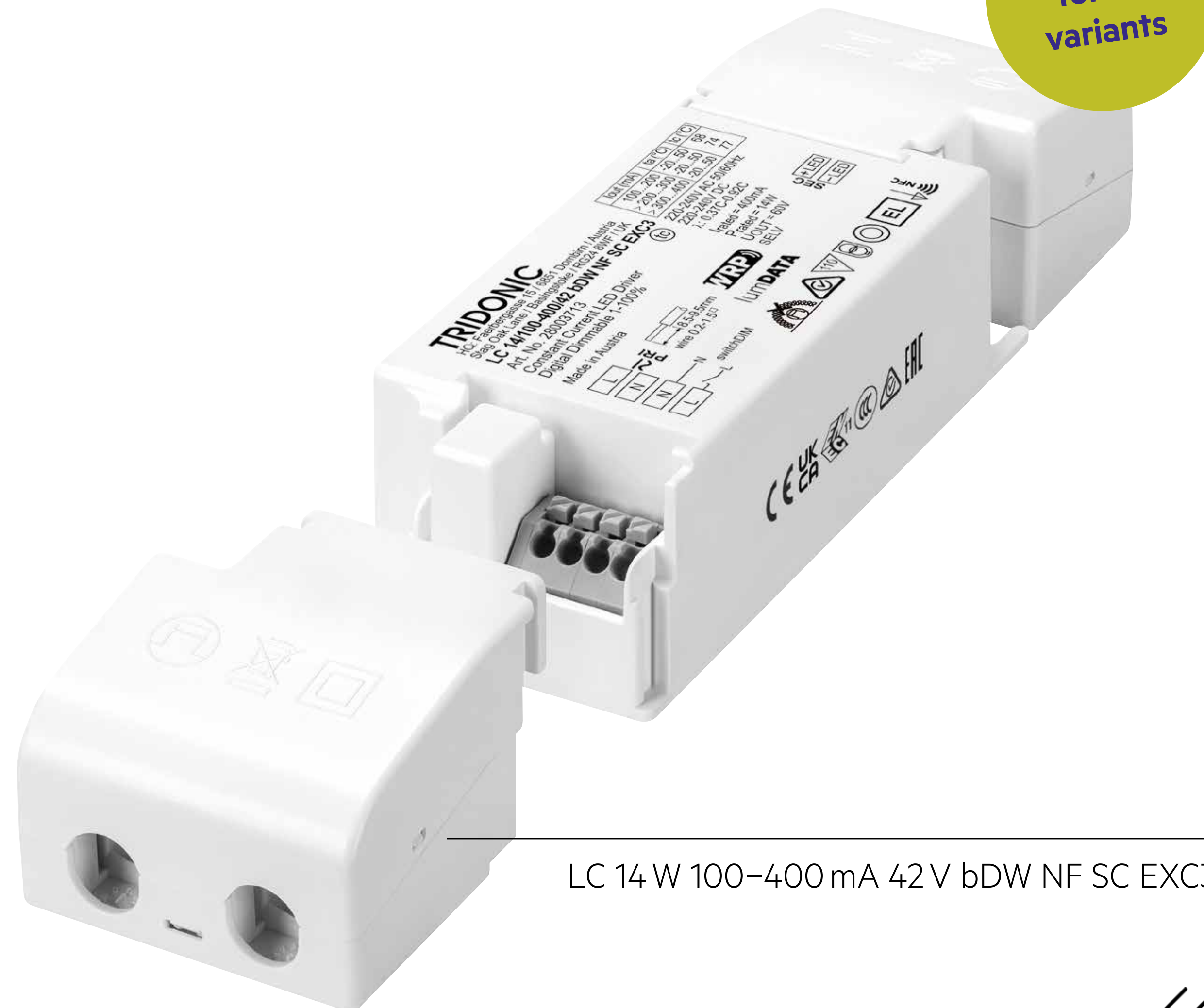
# Driver flexC / one4all / basicDIM Wireless NFC SC EXC3

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 >](#)









# Wireless Matter products



Available  
from  
January  
2023

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

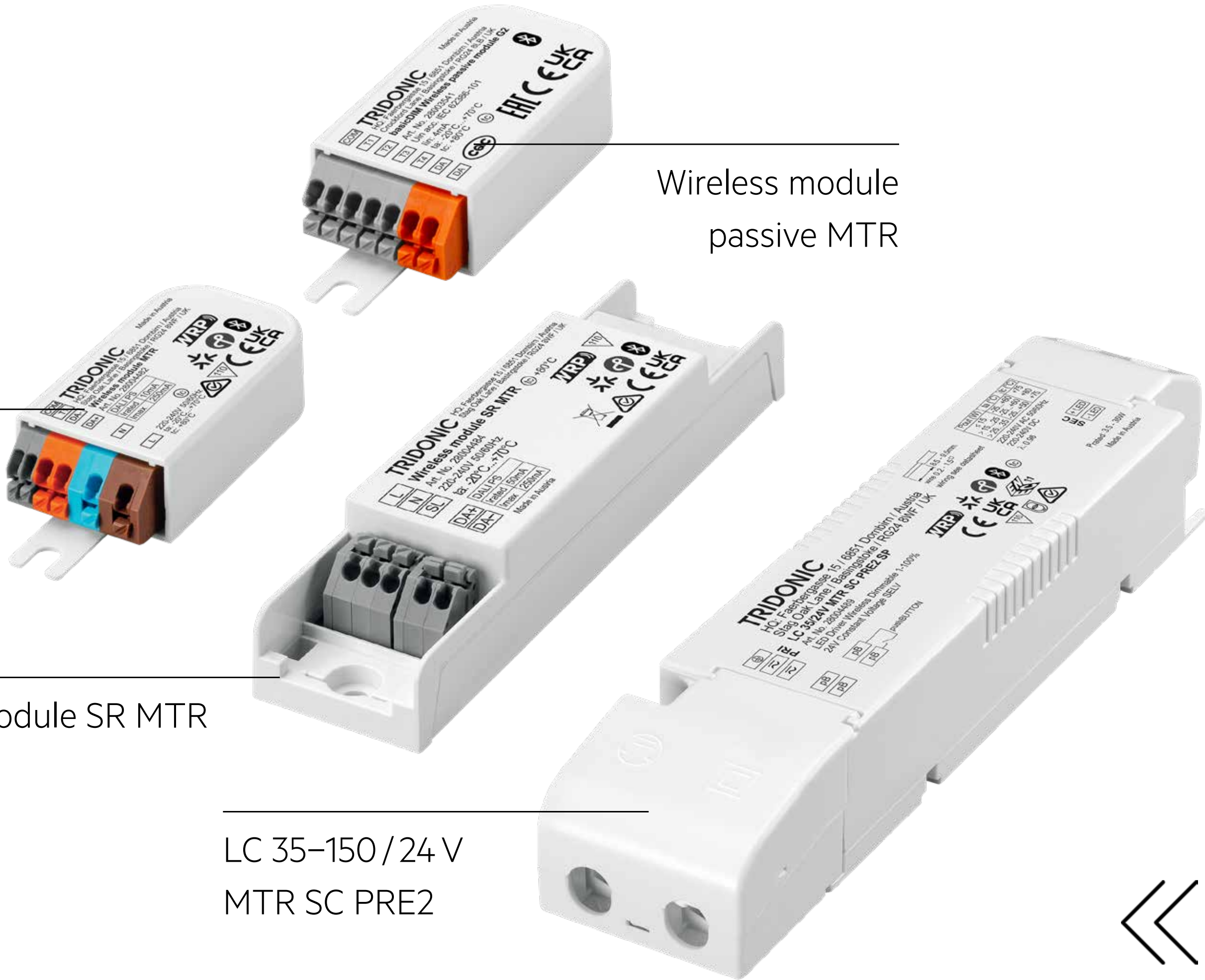
- Upgrade any DALI luminaire to be Matter-ready
- Retrofit to existing installations
- Make any wall switch Matter-ready via low-voltage inputs
- Available with strain relief and integrated DALI PS up to 50 mA

Wireless module MTR

Wireless module SR MTR

LC 35–150 / 24 V  
MTR SC PRE2

Wireless module  
passive MTR





# Let emergencies be our problem

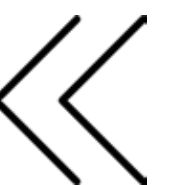
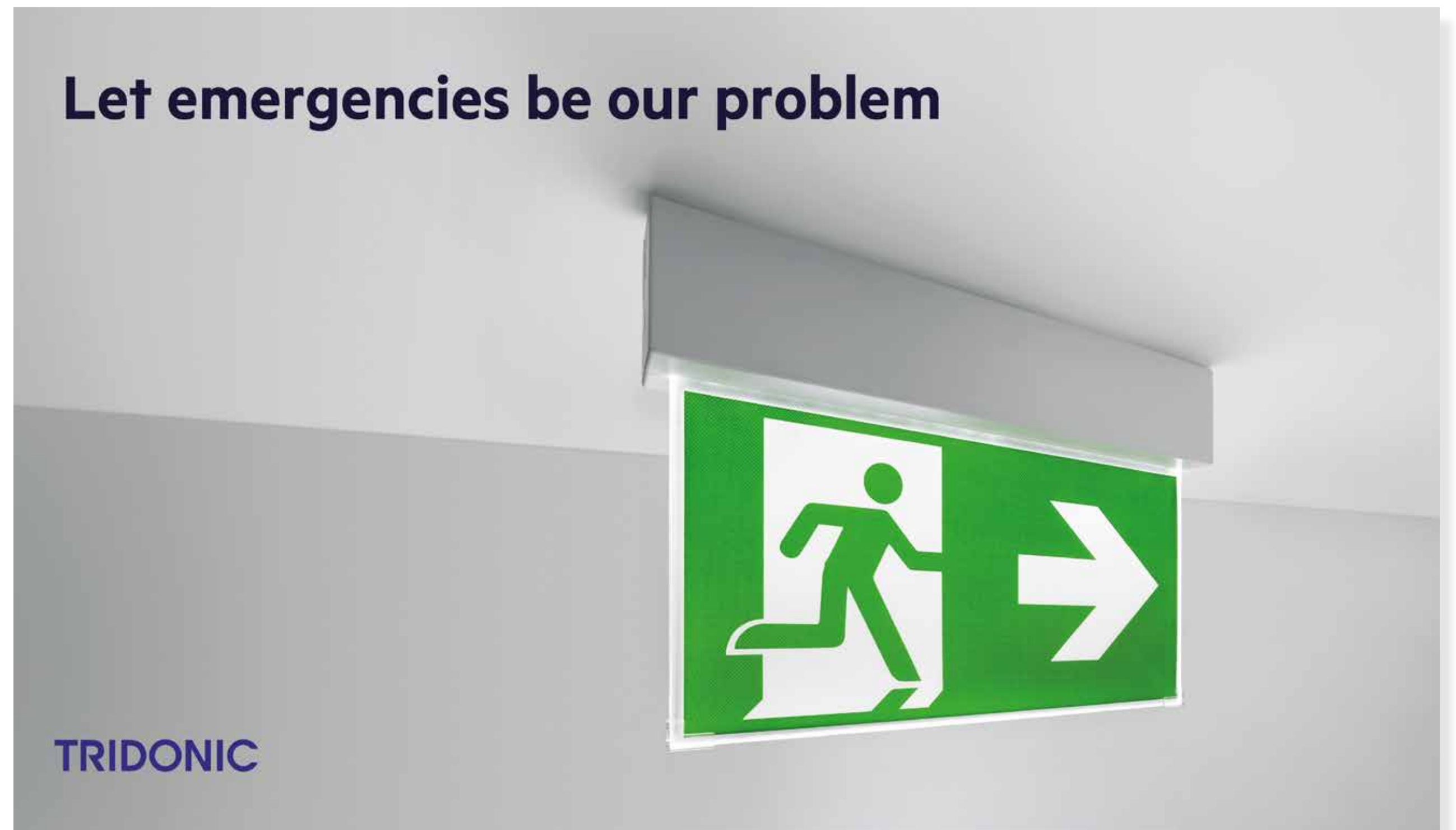
## A new approach to emergency lighting

**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.

[More information >](#)





# Safety luminaire EM ready2apply

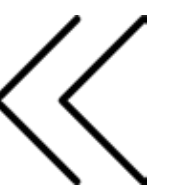
With an output power of 4 watts, this ready2apply luminaire is suitable for ceiling heights of up to 14 metres, such as those in warehouses and production halls. Three lenses for anti-panic, escape route and spotlight lighting cover all the tasks required of emergency lighting.

- Surface-mounted luminaire with compact design
- Large range of applications for simplified storage
- Simple installation with loop-through wiring
- Battery type:  $\text{LiFePO}_4$  with extended guarantee of 6 years
- Long lifetime of up to 100,000 hours

[More information >](#)

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Safety luminaire EM ready2apply





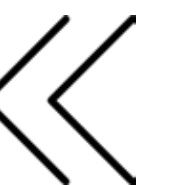
# MSensor SFI 40 PIR 5DP bDW

Available  
from  
March  
2023

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.

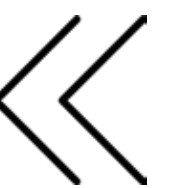
- For indoor applications and ceiling heights of up to 5 metres
- Multiple mounting options and maximum flexibility thanks to Zhaga Book 20 standard
- Suitable system solutions thanks to large selection of one4all drivers and LED modules
- 2-in-1: PIR sensor combined with passive module
- Can be controlled 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

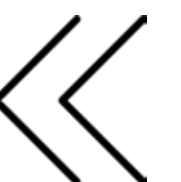
This smart built-in sensor is perfect for single-head free-standing luminaires with direct and indirect lighting. Not only can it automate the illuminance depending on motion and daylight and thus save energy, it can also control direct and indirect illumination separately. This functionality and the 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

[More information >](#)



basicDIM ILD G2 FSL SFI 30 5DPI





# adaptiveSWARM module CFI 30 IR

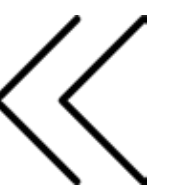
Free-standing or suspended luminaires equipped with this D4i-certified plug-and-play module can interact with each other within a room and use the SWARM function – the simplest way to create pleasant ambient lighting and a feeling of well-being. Thanks to the Zhaga Book 20-compatible socket, the adaptiveSWARM 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

[More information >](#)



adaptiveSWARM CFI 30 IR DA2



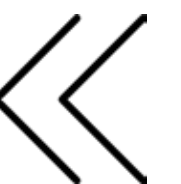


# MSensor OTD SFI 30 PIR 10DP DA

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 >](#)





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