

a generation



**your
needs**

TRIDONIC

A generation 4 your needs

The fourth generation is more than just a new product family with technical updates. Generation 4 stands for a comprehensive bundle of benefits which covers the driver portfolio as well as sustainability, systems and services.

Generation 4 combines maximum flexibility in application and design with simple handling and at the same time protects the environment from unnecessary impact.

Tridonic optimises existing technologies and combines them with a series of new features that enable essential luminaire

data to be used, uncomplicated fault management to be performed and rapid on-site changes to be made.

Tridonic also facilitates certification for sustainable luminaires through its numerous services. This results in innovative, tailor-made solutions from a single source, benefiting luminaire manufacturers, users and the environment alike.

Generation 4

New generation – new benefits



built 4 inspiring possibilities

With Generation 4, Tridonic drivers have reached new levels in many respects – with so many benefits for you. Not only in their applications but also in each step of luminaire production. The benefits include greater freedom for luminaire designers, a unique variety of systems and applications, and efficient handling and warehousing.



proactive 4 making a change

Generation 4 is fit for future developments not only in terms of technology. In the interests of a future worth living, Tridonic is linking the new generation of drivers with an extensive sustainability programme focusing on Cradle-to-cradle. Numerous small details add up to a huge difference for you.



system solutions 4 expanded success and efficiency

As a full-service provider, Tridonic supplies not only individual drivers but also perfectly matched systems from a single source. From elementary to versatile and from wireless to IoT networking. It is all geared to success – with Generation 4 your solutions will be even more efficient, more flexible and easier to handle.



open ears 4 a trustful partnership

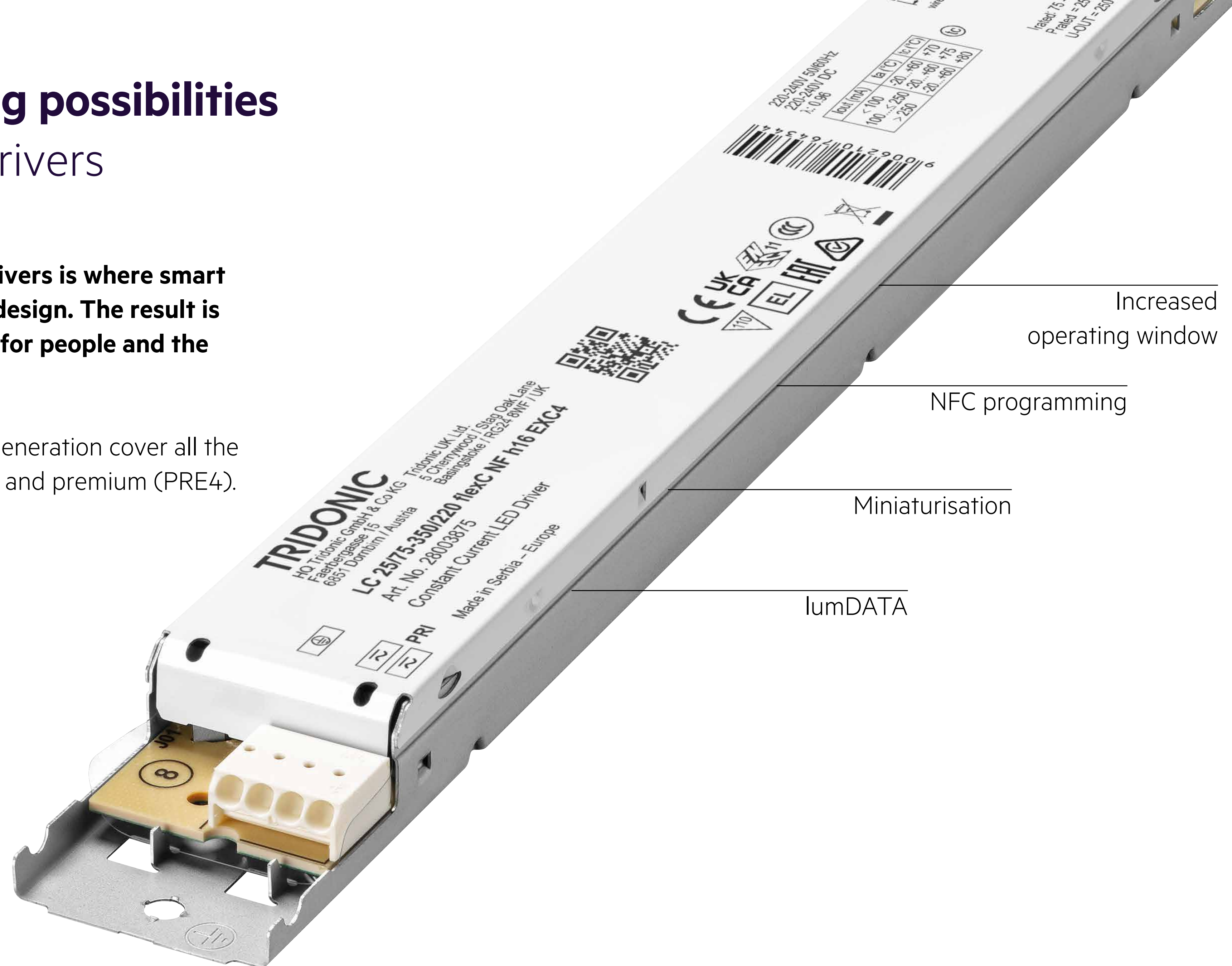
Our services are as flexible and wide-ranging as the portfolio of fourth-generation drivers. All our services and support activities aim to simplify your work processes and assist you in the manufacture of luminaires. They lay the foundation for long-term partnerships and deep trust.

Built 4 inspiring possibilities

Generation 4 drivers

This new generation of drivers is where smart features meet intelligent design. The result is a whole string of benefits for people and the environment.

The features of the fourth generation cover all the drivers in the excite (EXC4) and premium (PRE4).



Minimised 4 designer freedom



Generation 4 drivers prove that true greatness comes from within.

Just 16 mm high, the slim low-profile drivers are packed with possibilities – from space-saving freedom for designing luminaires to attractive savings on materials and resources. Since the 16 mm format is offered across all wattages at Tridonic, there is also an efficiency gain in luminaire production because a uniform format means that the same fastening mechanisms and tools can be used for all luminaires. And if you are using the current 21 mm standard you will also benefit because the 21 mm format can be replaced one-for-one by slim Generation 4 products. And for all you minimalists, there will also be a choice of 11 mm high drivers.

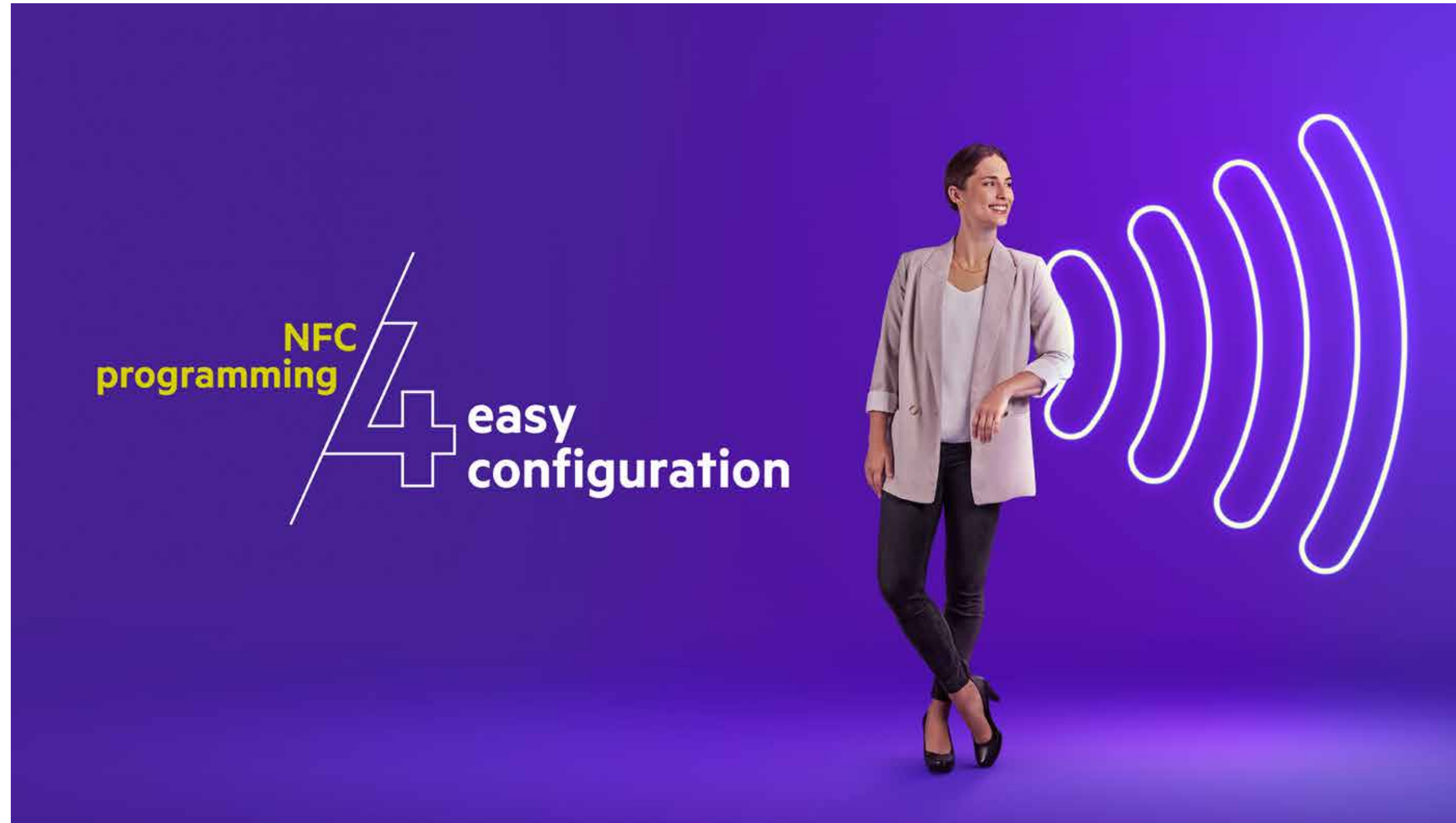
Minimised 4 designer freedom

One generation. Three heights. Maximum freedom of design.

The Tridonic drivers are available in three different heights to suit requirements and available space. The 16 mm high drivers now replace the 21 mm versions as the new standard in the EXC4 and PRE4 series. This gives luminaire designers even more freedom to create miniaturised luminaires.



NFC programming 4 easy configuration



New standards help to simplify complex processes and make them more flexible. NFC programming of drivers is a good example.

Generation 4 consigns plug settings to the history books. Since the driver does not need to be powered for NFC programming the process is safer, faster and more reliable. Even more time is saved with NFC multi-programming which allows entire packaging units to be programmed in a single step. companionSUITE from Tridonic is the ideal software collection for simple, fast and flexible configuration.

Increased operating window 4 easier decisions



The more applications a driver can cover, the easier it is always to have the right product in stock.

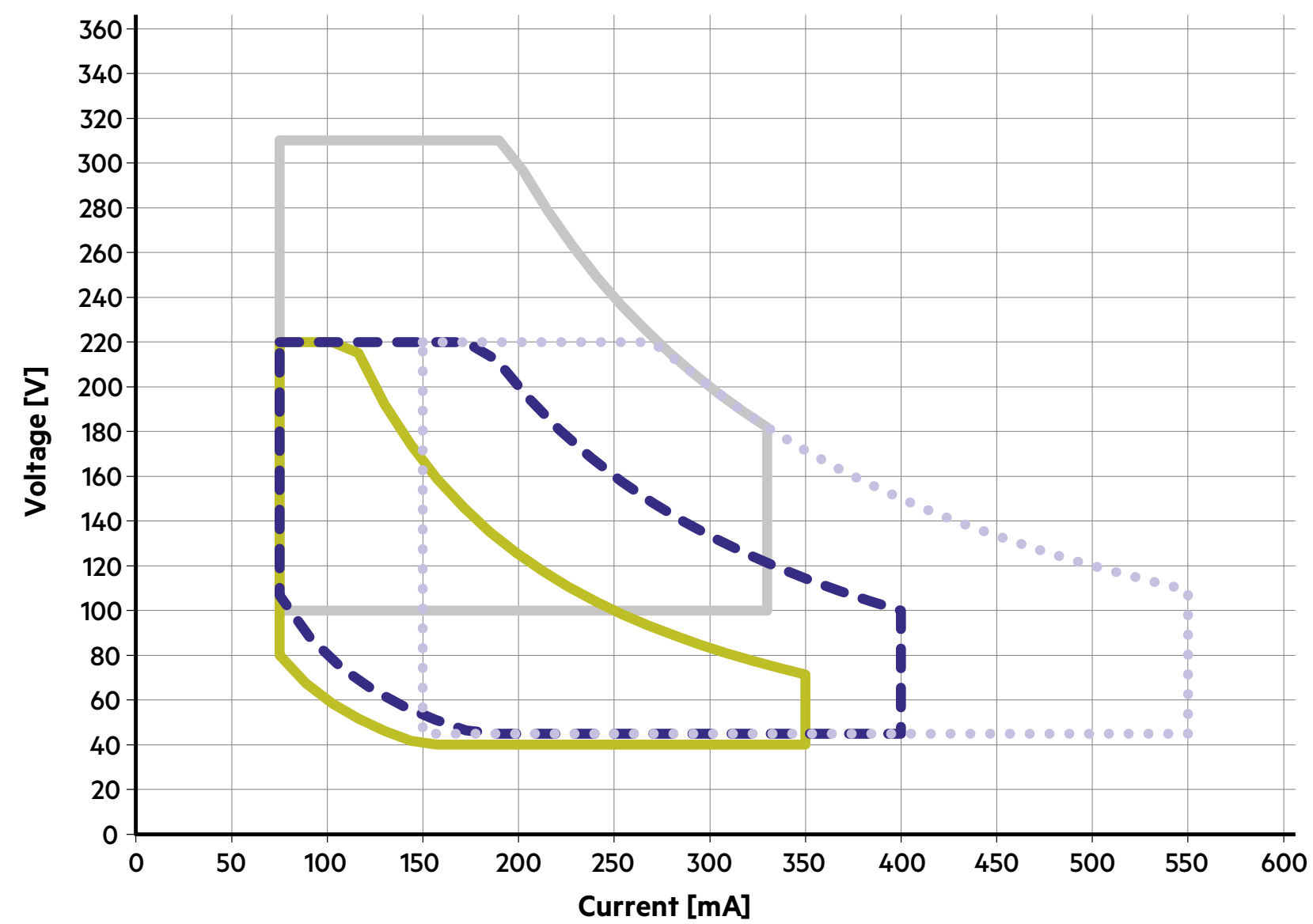
What's needed is an operating window of appropriate size. Tridonic goes one step further however. The operating windows overlap from one driver to the next. This results in maximum flexibility and covers all the operating points within the voltage range. It is then possible to maintain reduced stock levels and still be able to choose a driver that is not only suitable but also more efficient. And because the new Generation 4 drivers are backwards compatible, luminaires can easily be updated with state-of-the-art technology.

Increased operating window 4 easier decisions

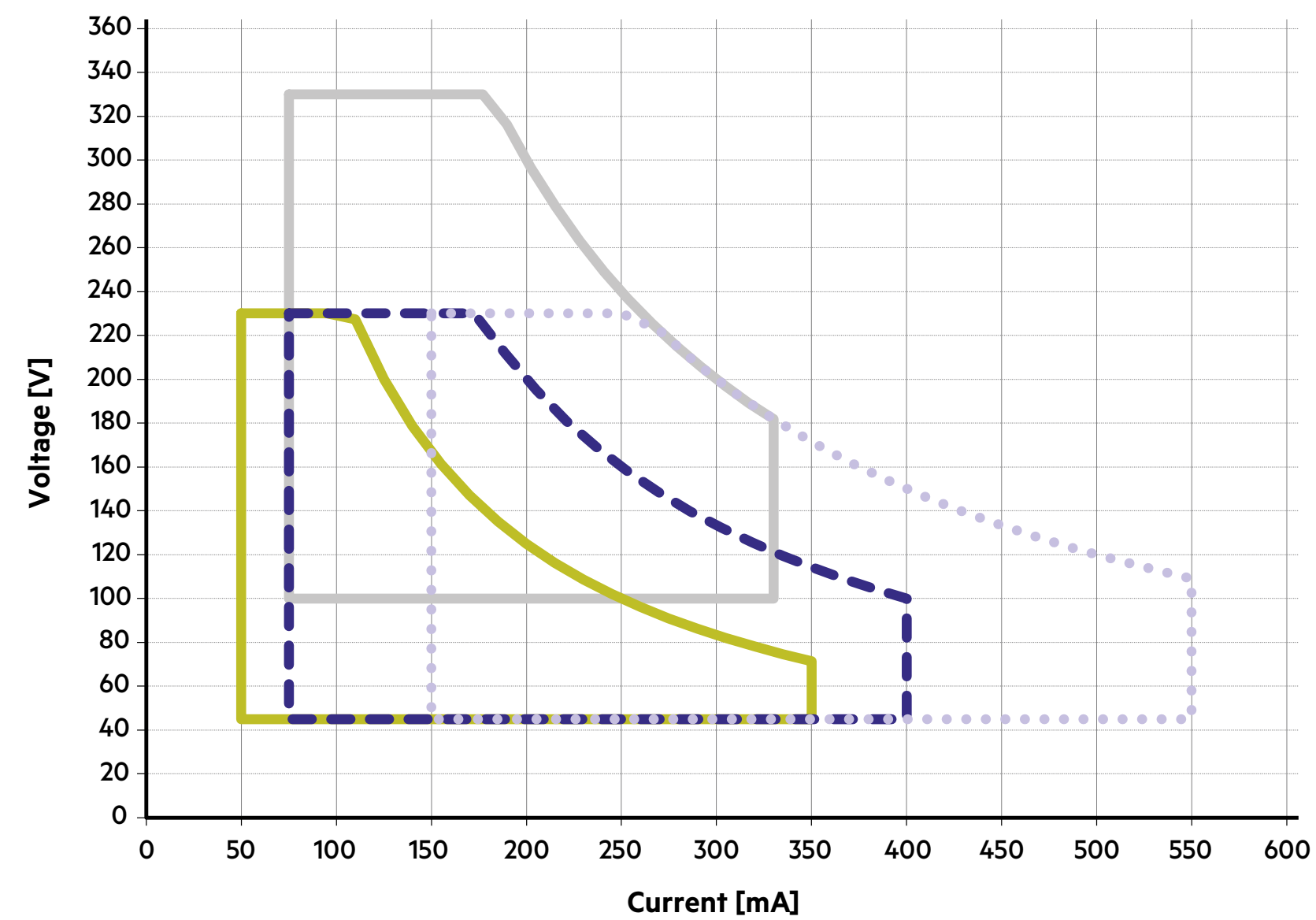
The larger overlapping operating windows of the fourth generation enable both dimmable and non-dimmable drivers to be used in a wide range of applications.

Non dimmable NFC))))

Dimmable NFC)))) lumDATA DALI2



— EXC4 25W nonSELV flexC - - - EXC4 40W nonSELV flexC
 EXC4 60W non SELV flexC LV — EXC4 60W nonSELV flexC HV



— EXC4 25W nonSELV o4a - - - EXC4 40W nonSELV o4a
 EXC4 60W nonSELV o4a LV — EXC4 60W nonSELV o4a HV

lumDATA 4 smart data usage

lumDATA supplements the DALI-2 and D4i standards with a pragmatic intermediate solution for smart buildings and IoT concepts.

lumDATA includes all the DALI specifications of Parts 251, 252 and 253 that enable essential lighting, energy and diagnostic data to be stored and shared.

For example, the luminaire identification data of DALI Part 251 enables luminaires to be assigned during installation, ensures efficient monitoring during operation and simplifies on-site commissioning.

DALI Part 252 captures and transmits the energy data of each individual luminaire within a lighting system. This enables energy consumption to be monitored and targeted optimisation to be carried out.

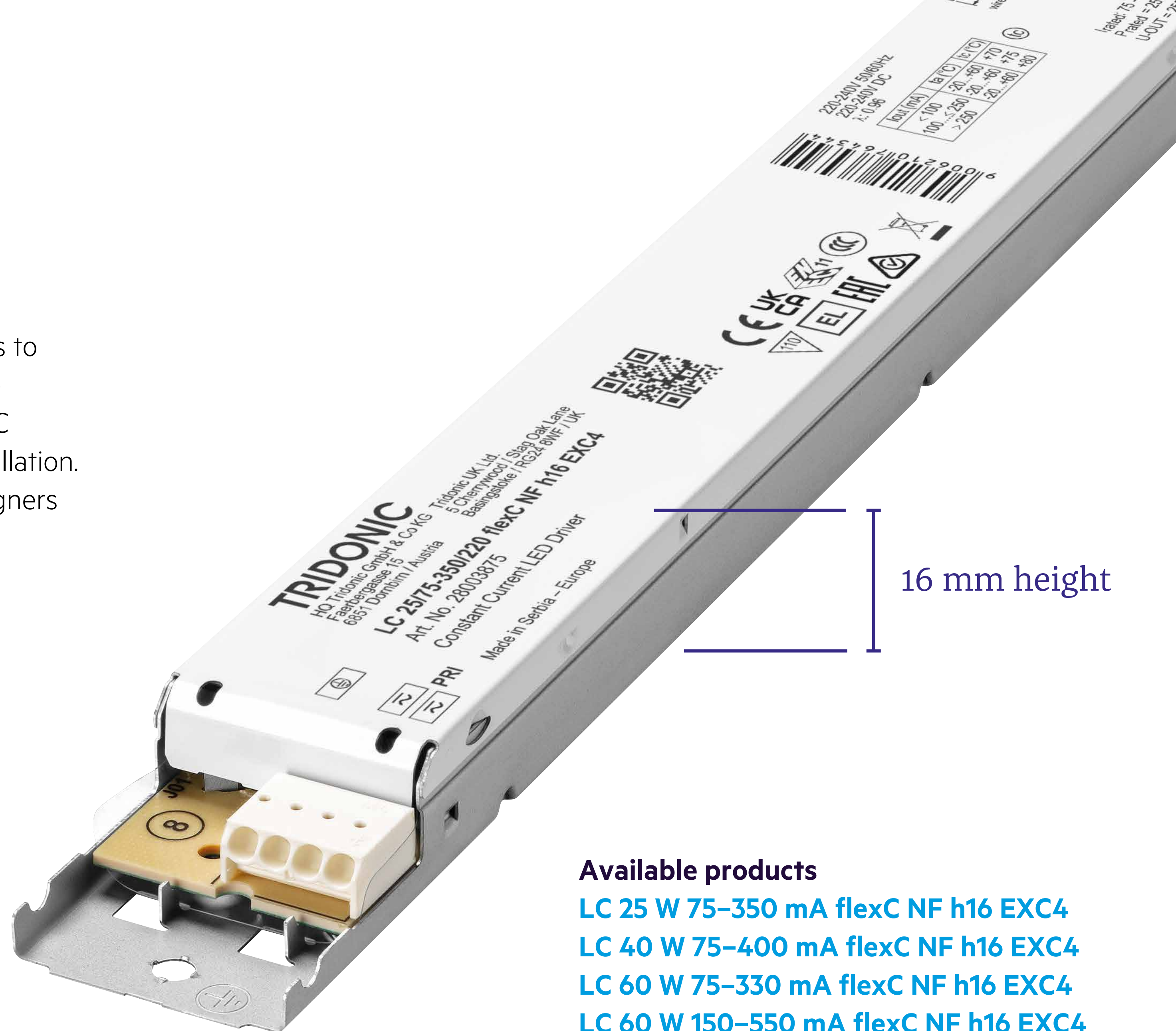
DALI Part 253 provides important diagnostic data for each luminaire so troubleshooting is quick and easy. This makes it easier for both Tridonic and the customer to display faults, and provides the basis for predictive maintenance.

Driver flexC NF h16 EXC4

LC 25 W / 40 W / 60 W

The 4th generation of the excite driver (EXC4) offers maximum flexibility for lighting systems that do not require dimming. Thanks to the large operating window, a single driver can cover a wide range of applications. The driver can be quickly programmed via the NFC interface and can be easily and wirelessly adapted even after installation. The slim, low-profile housing is only 16 mm high, which gives designers enormous freedom to create exceptional luminaires.

- Constant current driver for luminaire installation
- Efficiency of up to 95 %
- Large operating window: 75 to 550 mA
- Flexible output current via NFC interface
- Quick and easy configuration via companionSUITE
- Protection features: overtemperature, short circuit, overload
- No-load operation, input voltage range
- Constant light output function (CLO)
- Nominal lifetime up to 100,000 hours



16 mm height

Available products

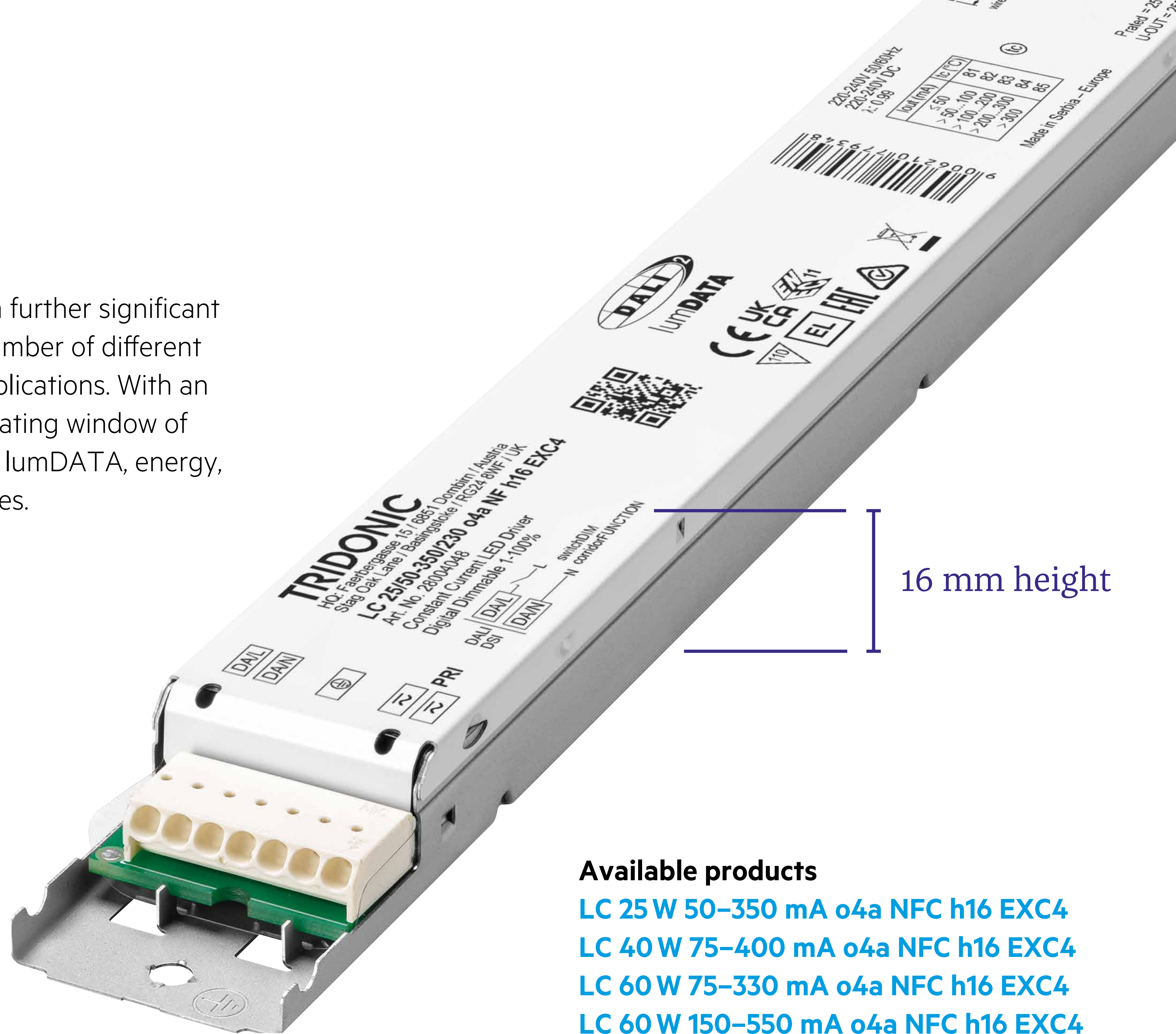
- LC 25 W 75–350 mA flexC NF h16 EXC4
- LC 40 W 75–400 mA flexC NF h16 EXC4
- LC 60 W 75–330 mA flexC NF h16 EXC4
- LC 60 W 150–550 mA flexC NF h16 EXC4

Driver o4a NF h16 EXC4

LC 25 W / 40 W / 60 W

The high flexibility of the 16 mm high excite driver series is given a further significant boost with the dimmable version. The one4all interface offers a number of different dimming options, making this driver ideal for more demanding applications. With an NFC interface for quick and easy programming and the large operating window of the fourth generation the ideal driver is always at hand. Thanks to lumDATA, energy, lighting and diagnostic data can be easily used for specific purposes.

- lumDATA (DALI-2 Parts 251, 252 and 253)
- Efficiency of up to 95 %
- Dimming range: 1 to 100 %
- Standby losses < 0.15 W
- Large operating window: 50 to 550 mA
- Output current can be flexibly adjusted via NFC interface
- Quick and easy configuration via companionSUITE
- Overvoltage and undervoltage monitoring
- Constant light output function (CLO)
- Power-up fading and fade2zero
- Nominal lifetime up to 100,000 hours



16 mm height

Available products

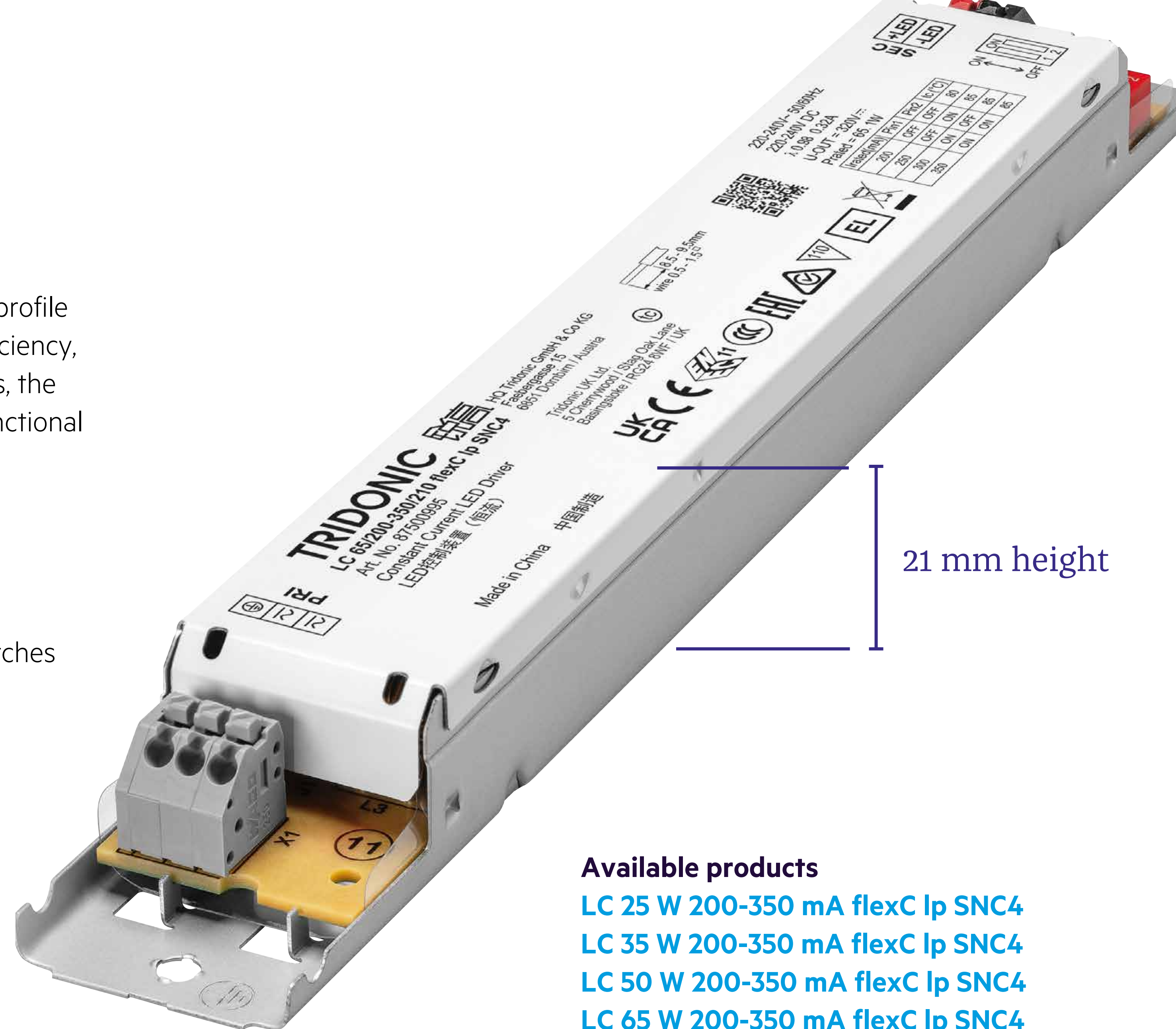
- LC 25 W 50–350 mA o4a NFC h16 EXC4
- LC 40 W 75–400 mA o4a NFC h16 EXC4
- LC 60 W 75–330 mA o4a NFC h16 EXC4
- LC 60 W 150–550 mA o4a NFC h16 EXC4

Driver flexC Ip SNC4

LC 25 W / 35 W / 50 W / 65 W

Thanks to optimised thermal performance, the space-saving low-profile driver is perfect for slim designs. With its combination of good efficiency, long service life and a wide range of wattages and output currents, the essence driver (SNC4) has all the essential features for simple, functional and reliable lighting solutions.

- Constant current driver for luminaire installation
- For luminaires in protection class I
- Efficiency of up to 94 %
- Choice of fixed output currents (200 to 350 mA) using DIP switches
- Withstands ambient temperatures from -20 to $+60$ °C
- Thermal protection as per EN 61347-2-13 C5e
- Nominal lifetime up to 50,000 hours



21 mm height

Available products

- LC 25 W 200-350 mA flexC Ip SNC4
- LC 35 W 200-350 mA flexC Ip SNC4
- LC 50 W 200-350 mA flexC Ip SNC4
- LC 65 W 200-350 mA flexC Ip SNC4

Portfolio overview

We are constantly updating our range with new technologies and innovative options. To help you find the product you are looking for quickly and easily, despite the ever-expanding range, we sometimes have to restructure our portfolio.

Instead of four categories previously, we now have three: **essence (SNC)**, **excite (EXC)** and **premium (PRE)**, each of which performs different tasks and meets different needs.

SNC solid base

Non dimming

Dimming stepDIM

EXC extra flexibility

Non dimming NFC)))

Dimming NFC))) DALI lumDATA

PRE full connectivity

Dimming D⁴ NFC))) DALI lumDATA

Wireless bDW NFC))) lumDATA

Have we whetted your appetite for more?

www.tridonic.com/generation4

TRIDONIC