

Winter 2021 issue

**Highlights**  
and new products

**TRIDONIC**



# [In.no.va.ti.on]

## What is it?

'The doing of new things or the doing of things that are already done, in a new way.'

Source: Joseph Alois Schumpeter, father of modern innovation research

These days, few terms are used with as much hyperbole as 'innovation'. Of course, every creative product or service developer is proud of their latest inventions. But is every new invention automatically also an innovation? We (and innovation researchers like the aforementioned Schumpeter) think not!

True innovation involves more. It has to be something revolutionary and completely new as well as economically relevant. Our approach to innovation management is designed to give our employees the freedom they need to develop true innovations. Accordingly, we turn ideas into the new products our customers need. Every now and then, these innovations even receive awards from independent bodies, which makes us very proud.

### Your Tridonic Team

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# SIDEREA groupCONTROL

## Our expertise in outdoor lighting

### A true innovation

SIDEREA groupCONTROL enables simple, local group management of smaller outdoor installations with up to 60 light points. The groupCONTROL Programmer and Multi Master Controller CIS 30 DA2 RF form a system that enables the integration of sensors, schedules and light settings, for needs-based, reliable lighting. If required, it can be seamlessly expanded into an IoT-based smart city solution.

### Application

- Control of a group of outdoor luminaires using sensors and time profiles
- Suitable for pedestrian and bicycle paths, side streets, parks, parking garages, ports, sports stadiums and logistics centres

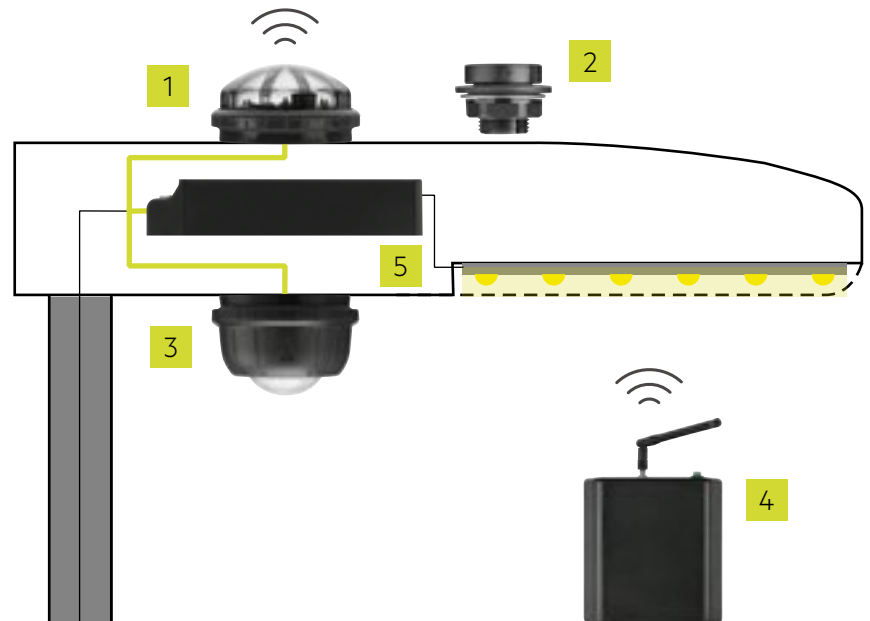
— **User-friendly programmer** – intuitive user interface with map support and live test function

— **Reliable** – a network built on self-healing mesh technology for stable, long-term operation

— Enables us to offer the basis for needs-based, reliable lighting as well as **efficient energy management**

### System overview

- 1 RF Multi Master Controller  
CIS 30 RF868 DA2**  
With or without GPS
- 2 Zhaga socket**
- 3 PIR motion sensor**
- 4 groupCONTROL Programmer  
CT WIFI RF868**
- 5 Outdoor driver PRE D4i**



Innovation

# Award-winning SIDEREA



Innovationspreis  
2021

**Excerpt from the jury statement for the award of the Vorarlberg  
Innovation Prize 2021**

«SIDEREA is a smart street light from Tridonic that is focussed on people's needs and has huge potential in terms of saving energy and maintenance costs.

SIDEREA makes outdoor lighting smart, which allows it to reduce power consumption by 86 per cent and maintenance costs by up to 50 per cent compared with conventional street lighting.»



New products

# Indoor Special light

## Driver LC 25 W / 35 W / 50 W / 65 W flexC Ip SNC4

Thanks to its slim, linear design, the essence driver (SNC4) for luminaires in moisture-prone rooms saves space for miniaturised luminaire designs.

- Constant-current LED driver for the luminaire fixture
- For luminaires with protection class I
- Efficiency up to 93.5%
- Ambient temperature (Ta) 60 °C
- Temperature protection according to EN 61347-2-13 C5e
- Selectable fixed output current
- Nominal service life of up to 50,000 hours

[www.tridonic.com/87500993](http://www.tridonic.com/87500993)



# Indoor

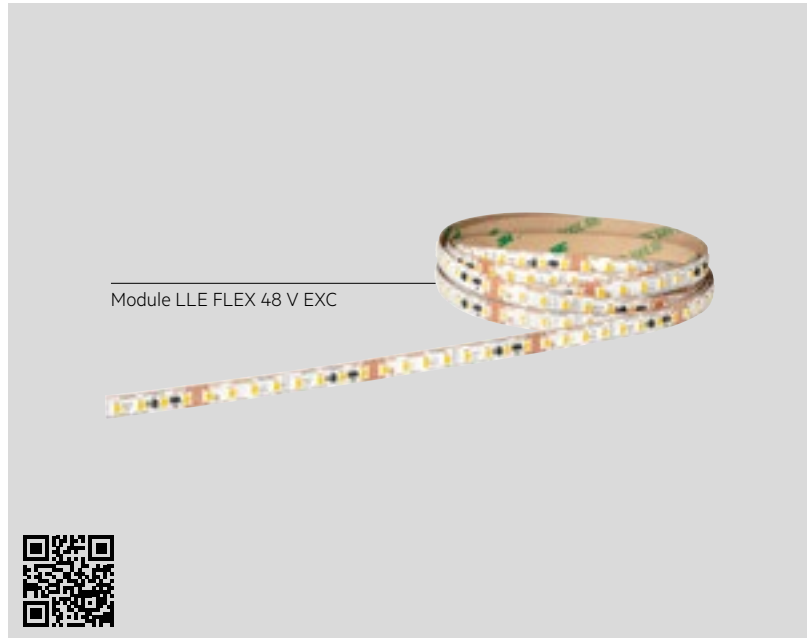
## More light with 48V

### Module LLE FLEX 48 V EXC

Thanks to the 48-volt constant voltage, very long lighting solutions with constant luminous flux can be created using the LED strip.

- Dimmable 48 V constant voltage LED strip for use on aluminium profiles and decorative lighting such as cove or accent lighting
- 8 or 12 mm wide depending on Luminous flux
- High degree of design freedom thanks to cutting option every 6.25 cm in a 10 m roll
- Module efficacy up to 157 lm/W
- Colour rendering: CRI > 80, CRI > 90 (on request)
- Self-adhesive 3M tape on the back for simple installation on various surfaces
- Manufactured in Austria using the reel2reel process
- Service life of up to 60,000 hours

[www.tridonic.com/28003897](http://www.tridonic.com/28003897)

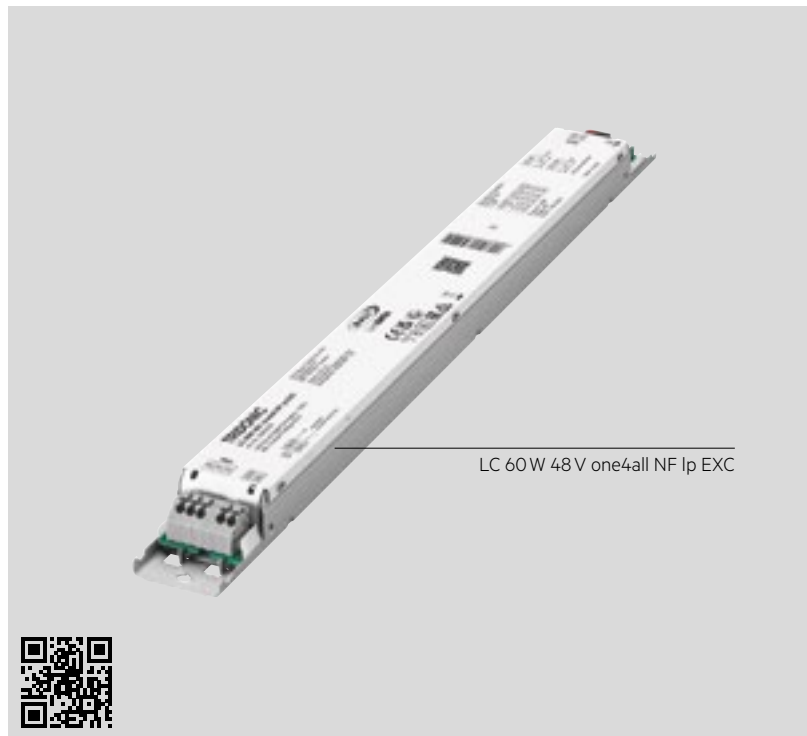


### Driver LC 35 W / 60 W / 100 W / 200 W 48 V o4a NF EXC

The dimmable 48-volt driver series perfectly complements the 48-volt LLE FLEX module. Various designs, NFC interface and lumDATA open up numerous possibilities for use.

- Dimmable, DALI-2-certified driver series for cove lighting, façade lighting, accent lighting and indirect ceiling lighting
- Great combination option for the flexible LED light strip LLE FLEX 48 V EXC from Tridonic
- Available in the designs Stretched Compact and Linear Low Profile (35 W)
- Dimming range: 1–100 %
- one4all interface (DALI-2, DSI, switchDIM, corridorFUNCTION)
- fade2zero function
- Simple configuration via NFC interface
- lumDATA: DALI-2-Parts 251 (luminaire data), 252 (energy reporting) and 253 (diagnostics & maintenance)

[www.tridonic.com/28003537](http://www.tridonic.com/28003537)







New products

# Indoor

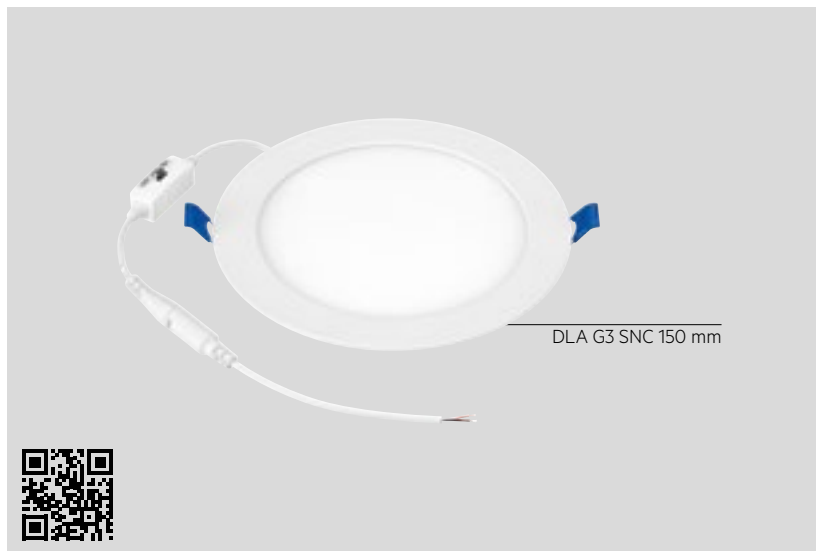
## Space-saving and convenient

### Edgelite ready2apply DLA G3

The extremely flat and ready-to-install Edgelit downlight is the perfect solution when there is not much installation space available.

- Slim Edgelit downlight for direct installation
- For ceiling cut-outs of 100, 150 or 200 mm
- Utilised flux: 790 lm (100 mm), 1750 lm (150 mm) and 2420 lm (200 mm) at  $t_p = 25^\circ\text{C}$
- Colour temperature adjustable before delivery via integrated colour switch (3,000, 4,200 or 6,500 K)
- With pre-installed power cable and built-in plug
- Colour rendering  $R_a > 80$
- Service life of up to 50,000 hours

[www.tridonic.com/28004062](http://www.tridonic.com/28004062)

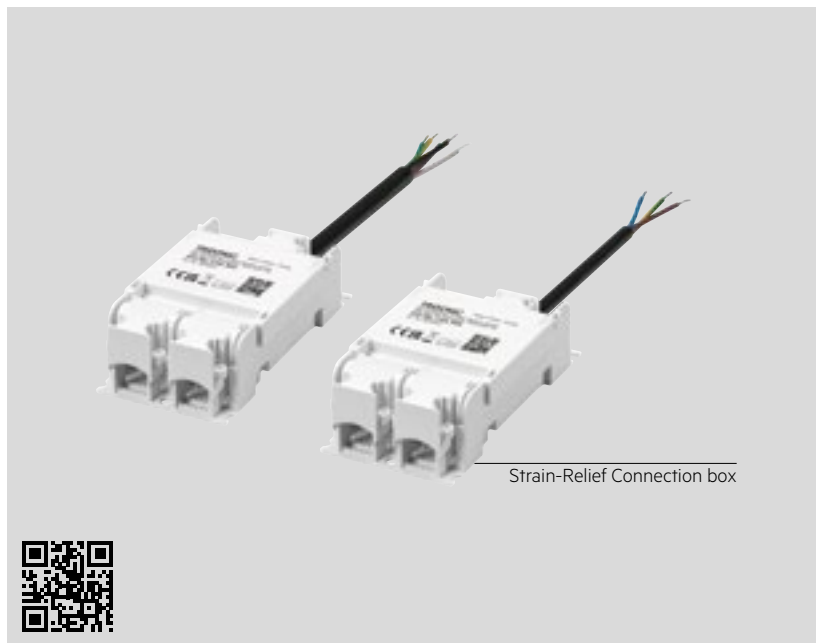


### Strain-Relief Connection box

The Connection box with LINECT interface has been specially developed for independent luminaires with connector system and helps make installation easy and quick. Added to this is an optimised Strain-Relief concept that enables the mains connection to be made without tools and supports loop-through cables for all common luminaire types.

- Strain-Relief connection box with pre-installed cable for connecting a driver
- For 3-terminal or 5-terminal LINECT connectors
- LINECT interface for all common cable suppliers on the market (one size fits all)
- New terminal for stranded and solid wires
- Suitable for luminaires in protection class I or II

[www.tridonic.com/28003872](http://www.tridonic.com/28003872)





New products

# Sensors

## Wireless and versatile

### Sensor smartSWITCH SFI 10 HF 5DP bDW

With the help of the motion sensor for basicDIM Wireless systems, the light is automatically switched on and off depending on the daylight. When there is sufficient brightness, the bright-out function prevents the light from switching on and thus also avoids unnecessary power consumption.

- Motion sensor for the luminaire fixture
- Automatically establishes a wireless communication network with up to 250 Light points
- Works without an external gateway
- Detects movement through glass and thin materials
- Delay time, detection range and light value of the bright-out function can be set as required via the 4remoteBT app
- For heights of up to five metres

[www.tridonic.com/28003939](http://www.tridonic.com/28003939)



### MSensor G3 SKI 30 PIR 4DPI WDA WH

Thanks to the wide detection range, the DALI-2-certified multi-sensors enable larger installation distances, for a significantly lower number of units per project.

- Motion and daylight sensor for mounting heights up to four metres
- Parameters can be individually adjusted
- Wide range of applications thanks to large selection of accessories
- Small dimensions for simple and unobtrusive integration into the luminaire
- Housing with IP54 protection

[www.tridonic.com/28003808](http://www.tridonic.com/28003808)





# Outdoor

## Connected to the future

### SIDERA groupCONTROL Programmer and Multi Master Controller

The groupCONTROL Programmer enables simple, local group management of smaller outdoor installations with up to 60 light points. The Programmer is supported by the Multi Master Controller CIS 30 DA2 RF, the world's first Zhaga-D4i-certified control device for the monitoring and control of luminaires, which is also available with GPS signal for simpler commissioning. A sensor for ambient light measurement, which is used to create the desired schedules, is also integrated.

- For groups of luminaires, small installations of up to 60 light points
- Local autonomous group management via RF mesh, can be installed without the help of network experts
- Standard-based solution (Zhaga-D4i)
- Programmer for on-site commissioning
- Control via smartphone, tablet or laptop via web app (configTOOL)

[www.tridonic.com/28004025](http://www.tridonic.com/28004025)

[www.tridonic.com/28002647](http://www.tridonic.com/28002647)

### LCO 165 W 200–1050 mA 285 V one4all NFC C EXC3

The 165-watt version is a great addition to the outdoor driver series of the excite category (EXC3) while retaining all its advantages. These include the integrated NFC interface for efficient multi-programming, simple in-field programming and the flexible adjustment of the output current.

- Dimmable constant-current LED driver for the luminaire fixture
- Dimming range of 5 to 100 %
- Efficiency up to 93 %
- For luminaires in protection classes I and II
- Output current can be adjusted in increments of 1 mA between 200 and 1,050 mA via NFC, DALI-2 or ready2mains
- Service life of up to 100,000 hours
- 8-year guarantee

[www.tridonic.com/87500991](http://www.tridonic.com/87500991)



# Present worldwide

## AUSTRALIA

Tridonic Australia Pty Ltd  
2/7 Millner Ave  
Horsley Park, NSW 2175  
Australia  
T +61 2 9832 6600  
F +61 2 9832 6688  
www.tridonic.com  
infoau@tridonic.com

## AUSTRIA

Tridonic GmbH & Co KG  
(Headquarters)  
Färbergasse 15  
6851 Dornbirn, Austria  
T +43 5572 395-0  
F +43 5572 20176  
www.tridonic.com  
sales@tridonic.com

Tridonic GmbH & Co KG  
Sales Austria  
Archenweg 58  
6022 Innsbruck, Austria  
T +43 512 3321 554  
F +43 512 3321 995554  
www.tridonic.com  
vertrieb.austria@tridonic.com

## CHINA

Tridonic (Shanghai) Co., Ltd.  
(Headquarters)  
Room 602, Building B  
Zhongshan International Plaza  
No. 789 Tianshan Road  
Shanghai, 200335, China  
T +86 21 52400 599  
F +86 21 52400 230  
www.tridonic.com  
china@tridonic.com

Tridonic (Shanghai) Co., Ltd.  
Beijing Branch  
Room 1207, No. 3, Yard 1  
Tian Xin Street,  
Fang Shan District  
Beijing, 102446, China  
T +86 10 6522 6163  
F +86 10 6522 7003  
www.tridonic.com  
china@tridonic.com

Tridonic (Shanghai) Co., Ltd.  
Guangzhou Branch  
Room 505, R & F Profit Plaza  
76 Huangpu Xi Road, Tianhe District  
Guangzhou, 510623, China  
T +86 20 3839 2483  
F +86 20 3839 2482  
www.tridonic.com  
china@tridonic.com

## FRANCE

Tridonic France SARL  
8 Rue de Bruxelles  
ZI Krafft  
67150 Erstein, France  
T +33 3 88 59 62 70  
F +33 3 88 59 62 75  
www.tridonic.fr  
info.france@tridonic.com

## GERMANY

Tridonic Deutschland GmbH  
Edisonallee 1  
89231 Neu-Ulm  
Germany  
T +49 731 176629-0  
F +49 731 176629-15  
www.tridonic.de  
vertrieb.deutschland@tridonic.com

## ITALY

Tridonic Italia srl  
Via G. Savelli, 86  
35129 Padova  
Italy  
T +39 049 89 45 127  
www.tridonic.it  
vendite.italia@tridonic.com

## KOREA

Tridonic Korea LLC  
Lee Seok-Jun  
#808 HanHwa BizMetro II  
551-24 Yangcheon-ro  
Gangseo-gu Seoul  
Republic of Korea (South)  
T +82 (2) 2013 8051  
T +82 10 2230 2221  
www.tridonic.kr  
seokjun.lee@tridonic.com

## MALAYSIA

Tridonic Malaysia Sdn Bhd  
V03-10-01 Designer Office,  
Lingkaruan SV,  
Sunway Velocity, Cheras  
55100 Kuala Lumpur  
Malaysia  
T +60 3 2733 6484  
T +60 3 2733 6485  
www.tridonic.com  
asean@tridonic.com

## MIDDLE EAST

Tridonic Middle East (FZE)  
Warehouse LB 4 Blue Shed Area,  
JAFZA North, Jebel Ali  
P.O. Box 17972  
Dubai, United Arab Emirates  
T +971 4 8833 664  
F +971 4 8833 665  
www.tridonic.ae  
sales.middleeast@tridonic.com

## NEW ZEALAND

Tridonic New Zealand  
PO Box 71134, Rosebank  
Auckland 1348  
27 Jomac Place, Avondale  
Auckland 1026  
T +64 9820 1119  
F +64 9820 4471  
www.tridonic.com  
sales@tridonic.co.nz

## POLAND

Tridonic Rep. Office Poland  
Poland  
www.tridonic.com  
marek.michalski@tridonic.com

## PORTUGAL

Tridonic Portugal, Unipessoal Lda.  
Rotunda Engenheiro  
Edgar Cardoso, 23, piso 8  
Vila Nova de Gaia 4400-676  
Portugal  
T +351 938 448 467  
www.tridonic.com  
ventas@tridonic.com

## SINGAPORE

Tridonic S. E. A. Pte Ltd  
158 Kallang Way  
#06-02  
349245 Singapore  
Singapore  
T +65 6749 9071  
F +65 6293 3700  
www.tridonic.com  
asean@tridonic.com

## SOUTH AFRICA

Tridonic SA (Pty) Ltd  
Unit A7, Centurion Business Park  
Cnr. Bosmansdam Road &  
Democracy Way  
Milnerton, SA, 7441  
South Africa  
T +27 21 110 5687  
www.tridonic.com  
info@tridonic.com

## SPAIN

Tridonic Iberia, S.L.  
Calle Carpinteros nº 8, 2a  
28670 Villaviciosa de Odón  
Spain  
T +34 916 162 090  
www.tridonic.es  
ventas@tridonic.com

## SWITZERLAND

Tridonic AG  
Obere Allmeind 2  
8755 Ennenda  
Switzerland  
T +41 55 645 4747  
www.tridonic.ch  
vertrieb.schweiz@tridonic.com

## TURKEY

Tridonic Aydınlatma Tic.LTD.ŞTİ.  
Kemankeş Mah., Necatibey cad.  
Akçe Sok., Akçe Han 10  
34420 Karaköy / Beyoğlu  
Istanbul, Turkey  
T +90 212 244 78 05  
F +90 212 244 78 06  
www.tridonic.com  
satis@tridonic.com

## UNITED KINGDOM

Tridonic UK Limited  
Unit 5 Cherrywood  
Chineham Business Park  
Stag Oak Lane, Chineham  
RG24 8WF Basingstoke  
Hampshire  
United Kingdom  
T +44 1256 374300  
www.tridonic.com  
enquiries.uk@tridonic.com

## USA

Tridonic Inc. USA  
3300 Route 9W  
Highland, NY 12528  
United States  
www.tridonic.us  
sales.us@tridonic.com

## Headquarters

Tridonic GmbH & Co KG  
Färbergasse 15 | 6851 Dornbirn, Austria  
T +43 5572 395-0 | F +43 5572 20176  
www.tridonic.com | sales@tridonic.com

Light you want to follow.

