

Lighting Controls

# The basicDIM Wireless modules and sensor

Intuitive introduction to wireless lighting communication



**TRIDONIC**

As technology moves toward controlling and dimming lights, Tridonic's fully intuitive basicDIM Wireless technology makes it possible to update conventional lighting without committing to additional construction. By grouping luminaires and creating light settings, lighting professionals can control up to 127 light points with on and off switching, as well as dimming, all through Bluetooth, all through an APP.

### Input devices (Casambi Ready)



basicDIM Wireless  
Sensor 5DP 38rc

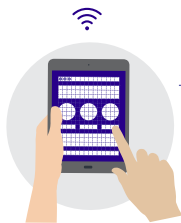
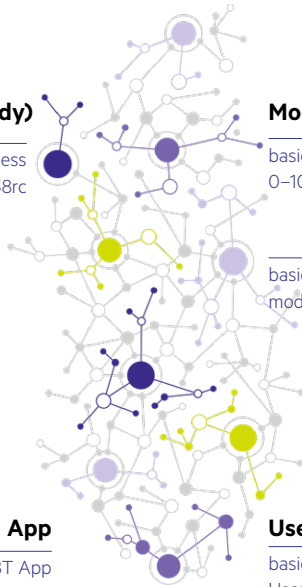
### Modules (Casambi Ready)



basicDIM Wireless  
0-10V 2CH



basicDIM Wireless  
module PMW CV 4CH



### App

4remote BT App

### User Interface

basicDIM Wireless  
User Interface



Retail and Hospitality

# **Module LLE FLEX and constant voltage LED Driver**

Efficient, flexible system for decorative and cove lighting



**TRIDONIC**

The LLE FLEX lighting solution delivers homogeneous lighting in a linear strip form factor providing enhanced lighting design flexibility for decorative, cove, or accent illumination. It's a versatile form factor available in a wide variety of color temperatures. Simple mounting and connection options reduce assembly and manufacturing costs. The LLE FLEX solution uses constant voltage LED Drivers.

## Modules

### essence (SNC)

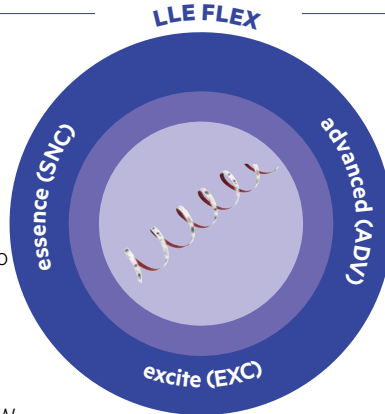
Efficiency of up to  
125 lm/W with an CRI 80

### advanced (ADV)

Highest efficiency of up to  
141 lm/W with an CRI 80

### excite (EXC)

Excellent CRI 90 with  
high efficiency of 105 lm/W



## Drivers

**Driver non-dimmable**

**Driver dimmable**

### At a glance: LLE FLEX essence (SNC), advanced (ADV), excite (EXC)

- 3.94"/100 mm (ADV) and 1.97"/50 mm (SNC/EXC) cut options offer design freedom
- 0.31"/8 mm (SNC), 0.55"/14 mm (ADV), and < 0.28"/7 mm (EXC) pitch spacing means homogenous light output
- Ability to create low-profile spacing from the lighting strip to the diffuser
- Tool-free installation

Warranty 5 yrs

Lifetime 50,000 hrs

MacAdam 3 or 5

Technology+

## companionSUITE software collection

Unleashing the driver 's features



# TRIDONIC

The Tridonic companionSUITE software package supports luminaire manufacturers with the generation, transmission and control of driver settings. It not only contributes to sustainable process optimisation in production, it also supports quality management in analysing and eliminating potential sources of error.



### **deviceGENERATOR**

Define parameters

- All driver functions at a glance
- Intuitive, graphical user interface

[www.devicegenerator.com](http://www.devicegenerator.com)

Web-based



### **deviceCONFIGURATOR**

Transfer driver settings

- Optimised workflow for OEM production
- NFC multiprogramming for complete packaging units
- Status display for parameterisation
- Test function for parameters and drivers (DALI2, NFC)
- Label print function
- Security thanks to barcode scanner, traffic light and protocol function

[www.devicegenerator.com](http://www.devicegenerator.com)



### **deviceANALYSER**

Analyse faulty drivers

- Function analysis tool for returned luminaires
- Read out data
- Display current function and parameter settings
- Compare current and original settings and mark changes

[www.deviceanalyzer.com](http://www.deviceanalyzer.com)

Web-based

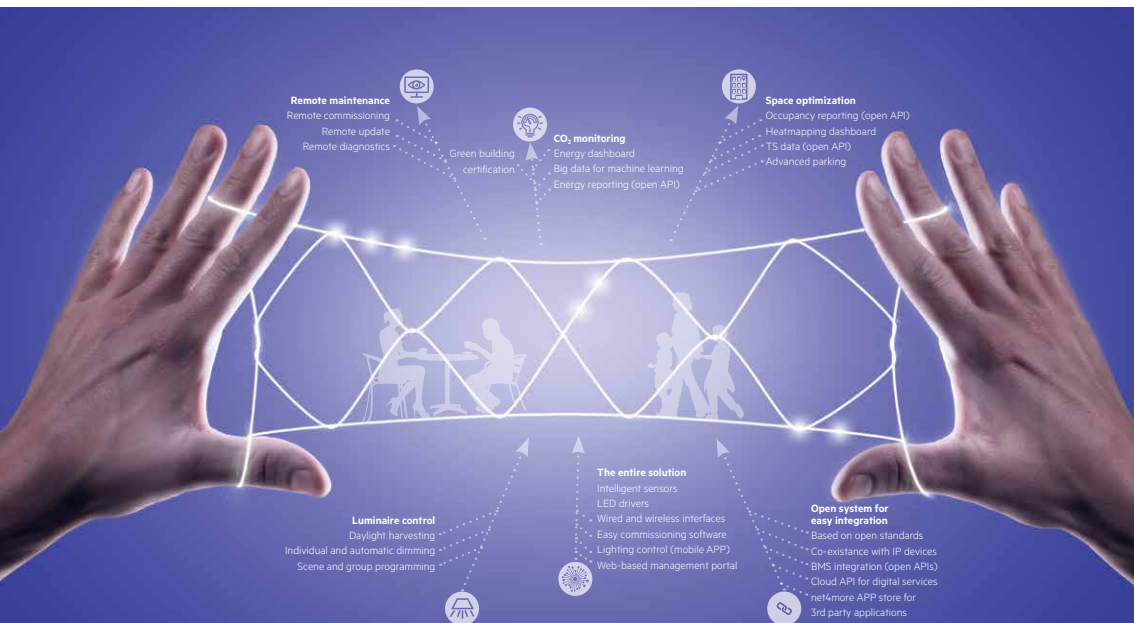


[www.tridonic.us/companionSUITE](http://www.tridonic.us/companionSUITE)

IoT solutions

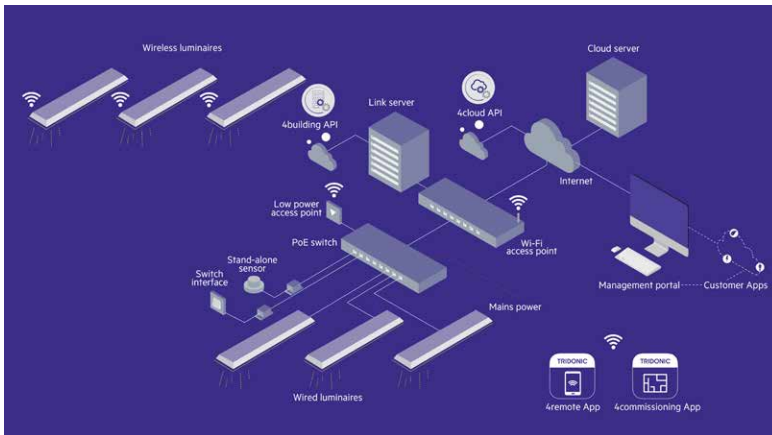
# net4more: IP connected lighting system

## Monitor what the building tells you



# 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 CO<sub>2</sub>-neutral, smart and innovative locations. net4more provides a comprehensive portfolio of hardware and software that is designed for easy planning, commissioning, operation and interoperability.



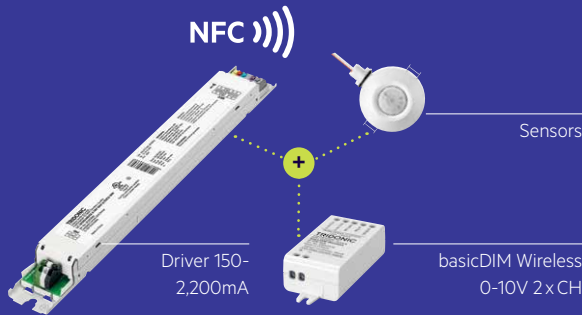
### net4more ...

- ... connects the lighting installations and its functionalities to the IP world, making unprecedented amounts of information visible.
- ... opens the lighting infrastructure, enable 3<sup>rd</sup> 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.





Tridonic's newest generation of LED driver family combines Peak Design with Basic Lighting Design technology for safe and efficient luminaire operation with Benefits-to-Price options. These new low-profile LED drivers are now available in a wide range of wattages, operating voltages and drive current options to optimize your lighting system costs to the lighting application. What you get in return is 0-10V dimming interface, 10% more linear dimming curve, 2.5kV Ringwave Surge Protection, 50,000 hrs., 2 drive currents per driver and meets DLC Technical requirements.



### At a glance:

### Driver LC 20 W – 85 W 0 – 10 V NFC AUX Ip EXC2 UNV

- Constant current LED Driver
- Dimmable via 0-10V interface, dimming range 1 – 100 %
- Adjustable output current in 1-mA-steps (companionSUITE)
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range)
- Type of protection IP20



Watch the video!

Warranty 5 yrs

Lifetime 100,000 hrs

Office and Education

# LC 27 W-53 W 0-10V fix C Ip SNC UNV

Linear fixed current dimmable driver



# TRIDONIC

Tridonic's newest generation of LED driver family combines Peak Design with Basic Lighting design technology for safe and efficient luminaire operation with focusing on focused Benefits to Price options. These new low profile led drivers are Optimized with a wide range of wattages, operating voltage and drive current options to optimize your lighting system costs to the lighting application. What you get in return is 10% linear dimming, 2.5kV Ringwave Surge Protection, 50,000 hrs., 2 drive currents per driver and meets DLC Technical requirements.



**At a glance:**

**Driver LC 27 W-53 W 0-10V fix C Ip SNC UNV**

- Broad operating voltage window of 30-50V
- Current windows from 400mA to 1450mA  
in 2 currents per driver (dip switch)
- Class II
- Interfaces: 0-10v linear dimming to 10%
- <500mS start up
- FCC Part 15 Class A
- Overvoltage protection
- Versatile mounting holes to accommodate different prior designs

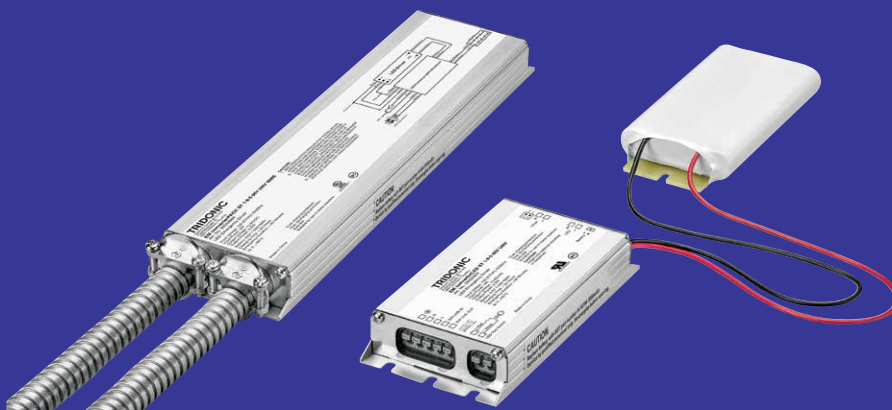
Warranty 5 yrs

Lifetime 50,000 hrs

Office and Education

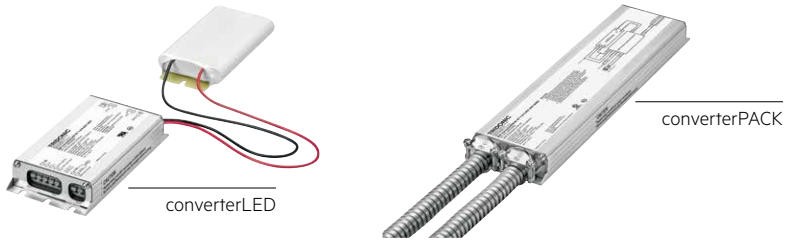
# EM converterLED / EM converterPACK

Emergency back-up drivers



# TRIDONIC

With its emergency lighting drivers, Tridonic is once again proving its status as a full-service provider. Customers can select the practical EM converterPACK with integrated NiCd battery or the EM converterLED with separately enclosed battery. If there is a power failure, the emergency mode is activated, which provides cover for up to 90 minutes.



**At a glance:**  
**Emergency back-up drivers**

- Emergency lighting LED Driver with self-test function
- For self-contained emergency lighting
- For LED modules with a forward voltage up to 60 V
- Class 2
- Battery pack enclosed (EM converterPACK)
- Compatible with most constant current LED Drivers
- Automatic shutdown of output if LED load is out of range
- 90 minutes rated duration
- Versatile mounting holes to accommodate different prior designs

Warranty 5 yrs

Lifetime 55,000 hrs