TRIDONIC

WATCH ME

ABOUT

Fundamental to our unwavering commitment to quality, Darkon has a longstanding strategic partnership with Tridonic for supply of electrical drivers, control components and Zhaga compliant LED light engine technology across our whole range of luminaires. As a global driver of innovation in the field of lighting-based network technology, Tridonic develops scalable, future-oriented solutions, backed by the leading warranty in the industry. Its profound, technical industry expertise makes Tridonic an ideal partner to deliver economically superior lighting solutions that are reliable, secure, energy efficient and sustainable.

MODULE LLE 24 MM ADV5

The new 5th generation linear light engine boasts an expanded product portfolio in CRI > 80 and now also in CRI > 90, each in SELV and non-SELV variants. It's now possible to combine SELV modules of different lengths, making the modules more flexible to use.

- Efficacy up to 200 lm/W
- Broad portfolio in CRI > 80 and CRI > 90
- Non-SELV and enhanced SELV portfolio
- 4000k CRI 90 version are Cyanosis complaint
- High colour consistency (MacAdam 3)
- Colour temperatures 2,700 K, 3,000 K, 3,500 K, 4,000 K, 5,000 K, 6,500 K.

TUNABLE WHITE

Tridonic's linear Tunable White calibrated kits ensure that the colour locations remain constant throughout all dimming levels and light flow remains constant when colour changes. Adjustable colour temperature from 2,700 to 6,500 K at constant luminous flux pre-calibrated set to ensure light quality and high colour consistency, consisting of linear low-profile LED Driver and 3 to 6 LED modules (700 lm) or 2 to 6 LED modules (1,500 lm).

- High colour rendering index CRI > 90
- Outstanding system colour tolerance
- High system efficacy up to 112 lm/W at tp = 65 °C
- Linear LED modules with 700 or 1,500 lm
- Dimming range 3 – 100 % without change of colour temperature
- Long life-time of 50,000 h and 5-year system guarantee

MODULE CLE ADV4

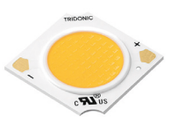
The new generation is keeping the advantage of the current system solution with an improved efficacy of up to 10% more, 199 lm/W achieved and an improved lifetime up to 72,000 Hours. It is a 1 to 1 replacement of existing CLE G3 ADV. The 190mm and 220mm versions are enriched with a new operation mode @600mA which allow us to reach 2,500 lm.

- Efficacy of the module up to 199 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- Long life-time up to 72,000 hours
- 5-year system guarantee on the complete product
- Colour temperatures 3,000 and 4,000 K
- Typ. luminous flux 2,500, 3,000 and 4,000 lm

MODULE QLE ADV5

A new generation of LED chips improves the already excellent efficiency of the QLE module series by a further 10%.

- Greater efficacy (+10 %) at 203 lm/W
- Module sizes: 250 x 250 mm, 270 x 270 mm, 540 x 270 mm
- Life time: 72,000 hours
- Colour temperatures: (CRI 80) 3,000 K, 4,000 K, 5,000 K
- Colour temperatures: (CRI 90) 3,000 K, 4,000 K
- CRI 90 4000K Cyanosis compliant



MODULE SLE G7 ADV

The seventh generation of the SLE module series benefits from an excellent efficiency update, a long life time and optimised thermal behaviour.

- Efficiency increased by 16 % up to 191 lm/W (@ tp 25 °C)
- Optimised thermal management thanks to improved D-rating curve
- Longer life time of 55,000 hours (L80)
- Intensive end test series with verification of efficiency, colour temperature, CIE and MacAdam coordinates

NEAR FIELD COMMUNICATION (NFC)

This driver, which stands at just 16 millimetres high, has been added to the premium (PRE) driver series. The integrated NFC interface allows up to ten drivers to be programmed at the same time – very easily and wirelessly. The extremely low flicker value ensures excellent light quality with a lifetime of 100,000 hours.

- Dimming range: 1 to 100 %
- NFC interface for multi-programming
- Adjustable currents using I-SELECT 2 or companionSUITE

DALI DRIVER IN-TRACK

The latest DALI-2-based in-track driver in the excite (EXC) series combines driver and adapter in one compact housing which can be directly integrated into the track, making for an extremely pared-back spotlight design. All the parameters of the dimmable driver can be conveniently set via the NFC interface. Thanks to multi-programming, entire packing units with up to 10 drivers can be programmed in a single process. In the standard variant, the current can also be adjusted using I-SELECT 2 plugs.

- Dimming range: 1-100 %
- Selectable output currents: 350-600 mA (25 W), 500-1.050 mA (40 W)
- Selection of the output currents via companionSUITE Software (NFC, o4a) or I-SELECT 2 plugs
- NFC multiprogramming of up to 10 drivers in one box
- Colours: grey, white, black

EMERGENCY CONVERTER

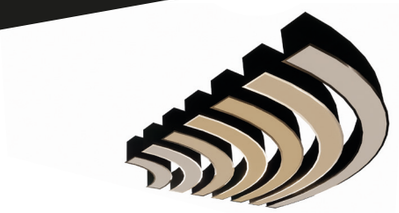
With the introduction of the EM converterLED ST/PRO MH/LiFePO4 versions Tridonic can now offer a full LiFePO4 portfolio for luminaire conversions. The portfolio contains both the 50V and 250V versions and is developed for LiFePO4 battery chemistry with a 3-year battery warranty as standard. They also support a pulse-charge algorithm for NiMH battery or Lithium battery chemistry.

- 3-pin switching technology
- DALI compliant
- Forward voltage: 10–54 V, 40-97 V, 50–250 V
- Supports LiFePO4 and NiMH batteries
- Lifetime of up to 100,000 hours
- Can be combined with dimmable or non-dimmable LED drivers for continuous operation

STRATEGIC PARTNERS

PROVIDING THE BEST FROM INDUSTRY LEADERS

DARKON THE EDGE OF LIGHT TRIDONIC SR igs.



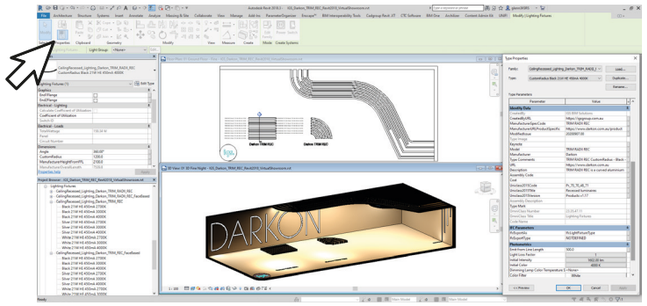
BIM CONTENT

You asked, we listened – Revit content is on the way!

Recognising the industry's increasing utilisation of BIM workflows, and many of our clients using Revit for model authoring, Darkon is pleased to announce our engagement of IGS BIM Solutions, Australia's leading BIM content creation specialists, to develop a high quality Revit library for a growing range of products.

Developed 100% natively in Revit, all families are created with a high attention to detail in areas such as Family and Shared Parameters, Indicative Light Sources, Electrical Connectors, 2D linework, Origin Points, Family / Type Naming, Product Data integration, Reference Planes, application of Materials, Classification and File Size. Additionally, all Darkon Revit content is made available in both Non-Hosted and Face-Based family formats.

For designers wanting to use embedded IES files, these are just one click away via the product-specific URL in the Darkon Revit families and can be loaded into the Revit content once downloaded from the Darkon website.



In addition to the creation of Revit families, the Darkon Revit library also includes a Project File (.RVT) or 'Virtual Showroom', with Families and Family Types loaded into the project. This Project File provides designers a great way to see the Darkon Revit library in its entirety, view how the families document consistently in a project environment and see how some of the more parametric families can be configured to achieve creative, inspiring project designs.

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