

Online news

New function boosts website

Thorn's online product catalogue has been given a new search function. Visitors can now apply various filters to search the entire catalogue content easily and quickly according to specific criteria. Try it out for yourself at www.thornlighting.com/catalogue



InSight

E-newsletter sign up

Whist there, you can also sign up to receive our free e-newsletter, for all the latest lighting news and information: www.thornlighting.com/newsletter

LightLinks winners announced

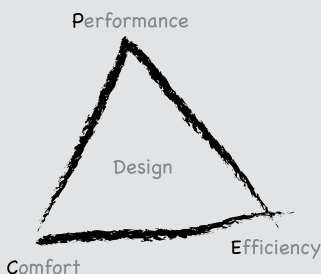
The winners of the second LightLinks competition were announced recently by LUCI (Lighting Urban Community International), an organisation whose members include 54 cities on four continents.

The City of East London in South Africa, representing The Amathole District Municipality, will receive assistance from the Scottish City of Glasgow. The competition judges look for evidence of partnership between cities from high and low income countries before awarding the prize of €20,000 of Thorn exterior luminaires with additional support from The Commonwealth Local Government Good Practice Scheme and independent lighting consultants.

Thorn sponsors the competition with the aim of promoting social and economic development through sustainable urban lighting.

Deputy Lord Provost Allan Stewart, leader of Glasgow's lighting strategy, said: "Tourism is a key part of the Amathole economy, and this equipment will help to present the landmark buildings there in the best possible way, hopefully paving the way for more visitors and more income."

Projects under consideration include: City Hall, the Steve Biko Garden of Remembrance, the local museum - home to the only dodo egg in the world - and South Africa's oldest aquarium.



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Photo: Tim Giddings



Photo: Andrew Keet

PEC lights the way to learning

Good lighting has a vital role to play in enhancing our educational environment. Without it, learning will be slower, posture poorer, concentration diminished and pupils with behavioural difficulties more fractious. What should designers be looking for when they choose lighting?

Firstly, they should be creating a sustainable environment for a multiplicity of users.

Performance is a major consideration. Providing the best visual effectiveness.

Efficiency is another key ingredient. Minimising the use of energy, CO₂ emissions and waste.

Finally, **Comfort**. Giving people satisfaction and stimulation by using light to influence mood and interaction. Thorn is committed to the Performance, Efficiency and Comfort (PEC) programme that forms the cornerstone of quality educational lighting.

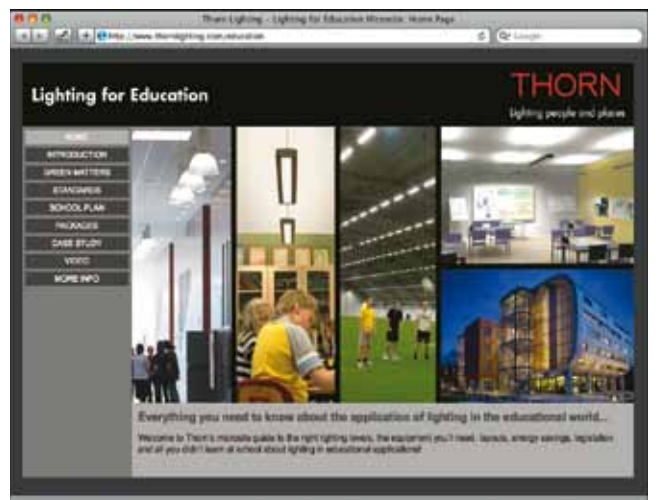
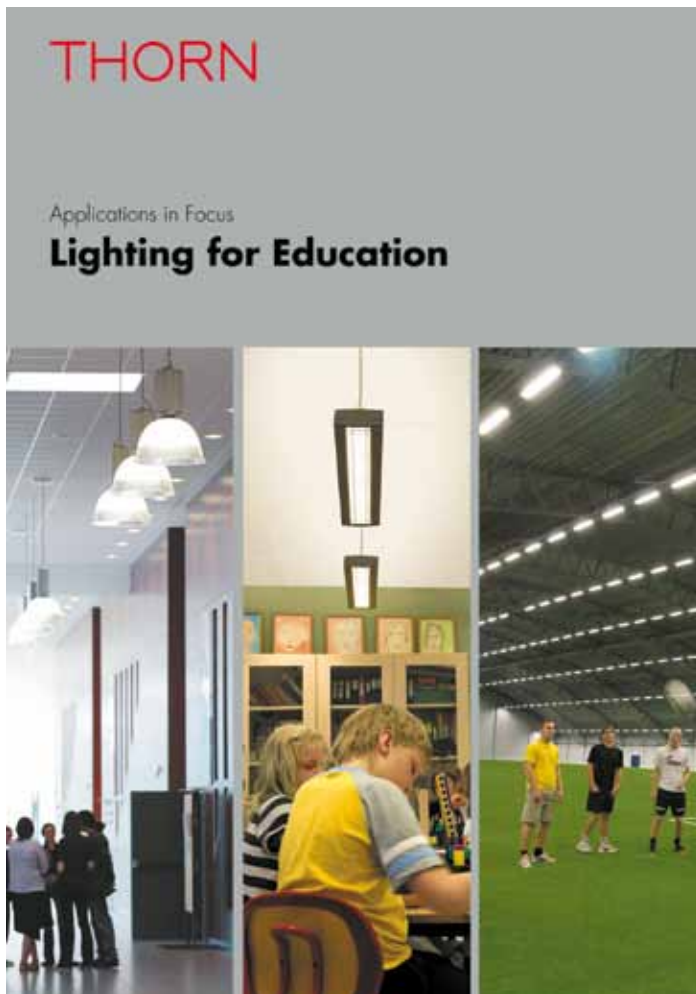
A new brochure and online microsite (www.thornlighting.com/education) are now available, illustrating the PEC approach to lighting schools. Luminaires and lighting control strategies are identified, visualisations and regulatory compliant design layouts shown and essential equipment lists given to help you complete the task.

The case for controls

The case for lighting controls is well proven. Artificial lighting accounts for 28% of the energy costs for a general school so that typical savings of 30% to 70% with simple paybacks make good economic sense.

A good lighting control system should ensure that all occupants have exactly the lighting they want when they need it. Controls also provide one or both of the following two simple functions: Switch (ON or OFF) or dim (raise or lower output).

To operate properly they must be correctly matched to the needs of the occupants. Modern teaching strategies result in students learning in a manner of ways and a variety of spaces. An entrance area, for instance, may be used for dining: a circulation area, such as part of an atrium, could be used as a social space. It is therefore important to establish the school's pattern of occupancy as well as the arrangement of ICT workstations and the availability of daylight to produce the desired levels of comfort and savings.





Quinto Vicentino takes control

Quinto Vicentino Primary School in Italy pushes all the right buttons for sustainability with its high levels of natural light, lighting controls and use of luminaires to sustain the teaching and learning process.

Daylight is used throughout, hence the glazed façades and roof lights in the large multi-purpose hall, which serves as the school entrance-cum-cafeteria. The electric lighting of a typical classroom comprises eight recessed luminaires (MenloSoft), each housing twin 24W T16 lamps, in addition to a single 49W T16 black/whiteboard fitting (Optus IV) with asymmetric reflector.

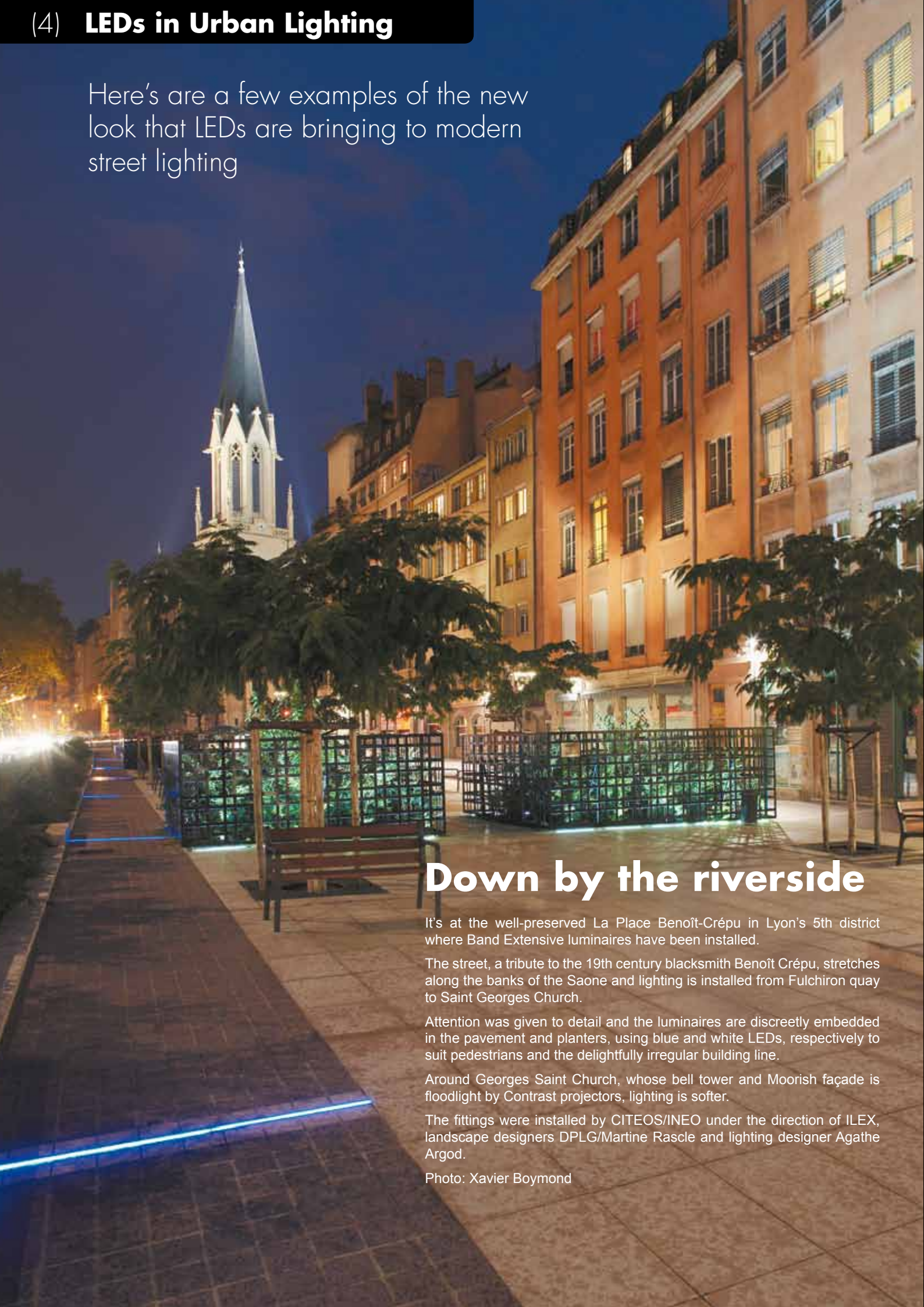
The double height of the entrance hall called for Planor XL, a thin 120cm square suspended luminaire, fitted with ten 54W T16 lamps.

All luminaires are dimmable and controlled by a daylight-based system with pre-programmed switch-off (SensaModular). This reduces energy by 70%.

Scheme Associates:
Architect: Gianluca Perottoni
Lighting design: Ing. Matteo Munari
Photos: Fabio Baraldi



Here's are a few examples of the new look that LEDs are bringing to modern street lighting



Down by the riverside

It's at the well-preserved La Place Benoît-Crépu in Lyon's 5th district where Band Extensive luminaires have been installed.

The street, a tribute to the 19th century blacksmith Benoît Crépu, stretches along the banks of the Saone and lighting is installed from Fulchiron quay to Saint Georges Church.

Attention was given to detail and the luminaires are discreetly embedded in the pavement and planters, using blue and white LEDs, respectively to suit pedestrians and the delightfully irregular building line.

Around Georges Saint Church, whose bell tower and Moorish façade is floodlight by Contrast projectors, lighting is softer.

The fittings were installed by CITEOS/INEO under the direction of ILEX, landscape designers DPLG/Martine Rasclé and lighting designer Agathe Argod.

Photo: Xavier Boymond

New products

Adelie has landed

Unique in its styling, **Adelie** is a highly distinctive indirect lighting lantern. It combines a ring of 32 LEDs (35W) with a funnel shaped canopy to create a soft ambience in parks and building surrounds.

Adelie is crafted from sandy grey aluminium with a white reflector to direct the cool light (5300K) down without glare. The surface is Teflon® coated, to ensure that it remains both water and stain repellent (sealed to IP65).

The circular LED compartment has a ribbed base, with distinctive red decoration ring, to dissipate heat and prolong life (up to 50,000 hours). It is topped with a PMMA lens, inclined to allow water run off.

A dedicated 3m tapered aluminium column blends with the lantern. From a distance the lit shape is similar to a 'flying saucer' that appears to hover in space.



Photo: Knight and Daines



Rainbow options

Thanks to the introduction of LEDs, Thorn's proven **Contrast** and **Qba** floodlights now allow you to produce fixed colour or dynamic colour changing lighting, with precise light delivery, flexible configuration and low running costs.

Designed for off set lighting and wall washing respectively they enable the mood of a site to be established, and changed for different occasions. And a multiplicity of beam patterns adds more versatility. By using rotatable front glasses and refractors the disc-shaped **Contrast LED** offers a variety of beam distributions, yet can project light up to 30m, while the rectangular **Qba LED** uses two fixed prismatic glasses (horizontal and vertical) to vary the beam.

The floodlights take high power LEDs - 54 for **Contrast LED** (87W) and 18 for **Qba LED** (24W). RGB versions are available with DMX control options.



Photo: Joss Guest

Telea cuts energy costs for Norwegian Road Authority with 30% saving



Radio frequency (RF) has become an increasingly popular method of controlling road lighting, particularly where energy savings and flexibility are required. In place of a photocell, an RF controller is fitted into the lantern so that instructions are transmitted wirelessly to a central management server.

The Norwegian Road Authority decided on this method of control when lighting the E39 and RV15 highways in Sogn og Fjordane. The project comprised 144 Oracle lanterns with 150W HPS lamps, controlled by a Telea remote monitoring system.

The responsiveness of the step dim RF controllers offers the flexibility to create and recall scenes and enables the light level to be reduced to 40% during quiet traffic periods, except for pedestrian crossings, achieving a 30% energy saving.

The installation was carried out by Sunnfjord Energi and Mesta Nordfjordeid.

Mundials light Wales' newest sports stadium



"One of the finest bespoke rugby stadia in Europe": The Scarlets' claim can really be appreciated when seeing the magnificent stands, hospitality and training facilities at the team's new Parc y Scarlets ground in Llanelli, Wales.

The £24million development is a joint venture between the Carmarthenshire County Council and the Rugby Club, and forms the centrepiece of a wider regeneration strategy for the area.

It's along the main stand that 40 Mundial floodlights, with 2kW metal halide lamps, have been installed by Whitehead Building Services. Opposite a further 44 floodlights are mounted on two 26m high corner towers, which feature iconic semi-circular head frames to create a signature look. The system is ideal for television transmissions; it also provides excellent spectator and player viewing.

New products



New Areaflood meets all requirements

Here's the best news ever for consultants and contractors in the general purpose floodlighting business. It's the new Areaflood range, a complete matching series of discharge and compact fluorescent luminaires, from 42W to 600W, based on the Champion sports projector, with an inclined front glass and integrated visor giving precise light control.

There are two sizes, with asymmetric or 'street' reflectors. Peak beam angles are up to 60°, with a total cut off at 90°.

Apart from the improved performance and IP66 seal, Areaflood can be supplied with integral photocell, lighting controls, hot-restrike gear and emergency lighting.

Accessories include optical attachments, colour filters and dedicated brackets available for all applications, including indoor swimming pools.



Eyekon for Eye Appeal!

This wall mounted version of the new Eyekon range of exterior bulkheads really emphasises the excellent eye-appeal the portfolio embodies.

Designed for use with compact fluorescent (9W-55W) or metal halide (20W-70W) lamp(s) the circular luminaire offers, in addition to two sizes and three colour options - silver, anthracite and black, a choice of four bezel styles to suit every kind of exterior scheme: plain; cross frame; visor to direct the light down and halo visor. Options include emergency lighting, bollard mounting and an integral daylight control photocell.

Eyekon fittings are vandal resistant, too! The tough diffuser being attached firmly to the die-cast aluminium body by tamper resistant bolts, sealing the product to IP65.

Contractors will welcome BESA fixings and a 'double wall' design between body and outer bezel for tidy wiring.

For more information please visit:

www.thornlighting.com/eyekon



Photo: Knight and Daines



Photo: Joss Guest



Thorn lobbies EU on low carbon lighting

Lighting industry representatives, researchers, local and Euro politicians gathered at a forum on sustainable lighting at the Thorn Academy of Light in Spennymoor last month to discuss a way forward for low carbon lighting solutions.

The message to politicians was that the biggest gap in energy efficiency legislation is that it mainly addresses standards in new buildings. In order to meet the reductions in CO₂ emissions required to combat climate change, governments need to tackle the existing stock, 80% of which will still be standing in 2050. Existing public and commercial buildings in particular should be encouraged to replace their inefficient light installations with energy saving lighting systems.



Germany's Vulkan to sell Thorn exterior products

Vulkan Außenleuchten GmbH, part of the German Hess Group, and Thorn Licht Ges.mbH have agreed a long-term sales partnership for Thorn outdoor lighting products in Germany.

Vulkan, who specialise in technical and decorative road lighting, will handle sales of Thorn products in the German market on an exclusive basis with immediate effect. Marketing will be handled by the Thorn brand, supported by Thorn Licht in Vienna.



Night light for turtles

Thorn's Celest lantern has played a variety of roles, but none so unusual as a night light for sea turtles.

It's happening along the beaches of Northern Australia, which not only serve as an important nesting habitat for endangered marine turtles, but are witnessing a boom in mining activities. Industrial lighting can interfere with the nocturnal nesting behaviours of the turtles.

Fortunately studies have found that lamps emitting visible energy at high wavelengths (the yellow or red part of the spectrum) have less affect on turtles than low wavelengths (the blue or violet colours). The monochromatic yellow light from the low pressure sodium lamp is minimally disruptive to turtles, hence its adoption in the Celest lantern.

Photo: Stu Story-Taylor