

The new Thorn products will be available from 30th November 2017

New Thorn luminaires make cities smarter

Thorn Lighting's latest two families of outdoor luminaires Alumet Stage II and Thor bring connectivity and intelligence to urban spaces.

London, November 2017 Thorn Lighting has launched two new outdoor luminaires ready for smart cities of today and tomorrow. [Alumet Stage II](#) and [Thor](#) lanterns and bollards combine simplicity and style with wireless connectivity. With the capacity to incorporate smart controls, Alumet Stage II and Thor can take advantage of emerging smart city applications, responding to changes in ambient light levels, temperature and occupancy, and even gathering data to help ease traffic flows, improve safety and save energy. For cities who are looking for the flexibility to upgrade their lighting in future, the luminaires can incorporate sensors and antennas at a later date, making it easy for cities to futureproof their installations.

The newly redesigned Alumet Stage II is closely aligned with other products in the Alumet family, ensuring a consistent look and feel. This stylish column features a cylindrical diffuser containing up to six light modules, with output reaching up to 6,600 lm. Its efficacy is an impressive 80 lm/W, with a colour-rendering index (CRI) of 80. Each of the six spots can be rotated 360°, with wide or narrow beam angles. The luminaire is capable of illuminating both horizontal and vertical surfaces, so the same product can now be used to light pathways, public spaces and even façades. This gives users flexibility, allowing comprehensive, integrated lighting schemes to be created for complex public areas, without cluttering the space. The modules are available at colour temperatures of 3000K or 4000K, and coloured modules can be included. With the RGB/W version different scenes can be created and controlled via a DMX system. With Alumet Stage II, users have the freedom to build their own configuration to suit their particular lighting challenge.

Similarly, the Thor family of lanterns and bollards offer a single design concept for numerous applications within the urban space. Developed in partnership with Danish lighting designer Morten

Lyhne for the city of Copenhagen, Thor combines minimal Scandinavian style with the very latest smart technology. The larger Thor L lantern is suitable for major urban roads, while the smaller Thor S is ideal for paths and residential streets. Thor features Thorn's high-performance R-PEC® LED optic specially designed for road and street lighting. Depending on the area, the light distribution can be tailored to meet specific needs, offering full flexibility. Both sizes come in post-top, lateral and catenary mounted versions. To complete the family, Thor offers a variety of different bollards ideal for plazas, pathways or parks.

The wide choice of integrated control options such as power dimming and presence detection actively supports energy savings. Furthermore the polycarbonate material parts make it easy to upgrade or incorporate sensors and antennas to enable smart functions, at a later stage as well.

Christophe Leromain, Global Product Manager said: "Our cities are rapidly becoming more connected and more digital, enabling improved efficiency, safety and brand new services. But making the transition can be a complex process, and not all cities are ready to introduce smart technology right now. Alumet Stage II and Thor make it easy to leave the option of connectivity open, making installations ready for the future."

Facts and figures – Alumet Stage II

- Luminous flux: Up to 6600 lm
- Luminaire efficiency: >80 lm/W
- Colour temperature: 3 000 K, 4 000 K, Red, Green, Blue and RGBW dynamic
- Colour rendering: CRI 80
- Switch: Control management system and motion detection
- Lifetime: 5 years warranty 100 000 hours B10L80
- Installation: Easy to install, pre-wired
- Standards: IP66 IK10
- Optics: Multi-positioning and 360° rotation of the spots with 2 different optics

Facts and figures – Thor

- Luminous flux: 1200 lm - 13500 lm
- Luminaire efficiency: Up to 130 lm/W
- Colour temperature: 3000 K, 4000 K
- Colour rendering: CRI 70
- Switch: CLO, bi-power, LRT, presence detection DALI and Radio Frequency (RF)
- Lifetime: 100 000 hours L90B10 at 4 000 K, Ta 25°C
- Size: 2 sizes for mounting height 4 to 8 m (small and large lantern)
- 2 sizes: 0.5 to 1 m (bollard)
- Installation Lanterns: Supplied pre-wired and ready to install, in a single box. Thor can be mounted on poles at various heights as well as on a catenary wire.
- Installation Bollard: Slim version - suitable for Root and Flange
- Wide version suitable for Flange mounting. Ready to install: prewired fittings to be connected with a connection box (to be ordered separately) through the anti-vandal access door (via Torx hollow T30).
- Standards: IP66 IK10 IK08
- Optics: NR - Narrow Road optic, RWET - Wet Road optic, SC - Street Comfort optic, WS - Wide street optic, PWC - Pedestrian walkway and cycle path optic, IVS - Pedestrian Crossing Distribution

Images:

(Photo credits: Thorn)



Image 1: Alumet Stage II is capable of illuminating both horizontal and vertical surfaces



Image 2&3: Each of the six spots can be rotated 360°, with wide or narrow beam angles.



Image 4: Combining simple design with wireless connectivity, the Thor family of lanterns and bollards are prepared for the future



Image 5: The variety of different lanterns and bollards offer the perfect fit for any application within an urban environment.

Information

This press release and high-resolution images can be downloaded from:
<http://www.thornlighting.com/en/about-us/press>

About Thorn

Thorn Lighting is a renowned global manufacturer of indoor and outdoor luminaires with integrated controls. Our mission is to give people throughout the world access to great lighting. Our high performance lighting solutions can be found in many different applications such as sport, road, tunnel, cityscape, office, education or industry.

Founded in 1928, we have years of experience in providing lighting solutions. Leveraging our research and development facilities, we actively work to promote the correct lighting standards and are uniquely placed to combine the latest lighting technology with our specialist expertise in lighting development. We focus on digitally-integrated, sustainable solutions through the latest lighting controls technology. Our aim is to exceed the requirements of customers all over the world to become the trusted, reliable, professional long-term partner for cost-effective lighting.

We offer energy savings without compromising performance, efficiency and comfort. To achieve a lighting solution where aesthetics, optical performance and energy consumption are all in perfect balance is at the core of what we do. Our lighting solutions are easy to specify, install and maintain. Thorn is part of the Zumtobel Group.

Further information can be found at www.thornlighting.com

Press Relations:

Donna Dederding

Brand Communications Manager Thorn

T +44 (0) 7817 54 28 83

donna.dederding@zumtobelgroup.com