



# Product Focus

Spring 2017

THORN



# Brand new products from Thorn for Spring 2017

At Thorn we're always pushing the boundaries of what can be done with light. Our aim is to balance great, comfortable light with ease of use, market-leading energy efficiency and long lifetime.

This spring we're unveiling our brand new Tonic family of spotlights, which prove that LED lighting for retail and hospitality doesn't mean compromising on colour quality. All Tonic products offer exceptional colour quality combined with impressive energy efficiency.

For the industrial market we're proud to introduce FLEXPAK, which harnesses cutting-edge wireless technology for hassle-free installation and commissioning; and LEDFit, a leaner, lighter and lower energy replacement for HID floodlights.

And that's not all – we've made improvements to several familiar products to offer better performance than ever, with the same great light output for even less power. For details of all the new additions to the Thorn range, read on.





## Tonic Spot

Certified for use in Europe, North America and China, Thorn's new Tonic range shows there's no need to compromise on colour quality for retail and hospitality lighting.

Thorn's new Tonic family of spotlights are globally certified and supplied with an integrated multi-voltage driver, so they're ready to be specified anywhere in the world. Combining competitive price with market-leading colour quality, Tonic Spot boasts an outstanding colour rendering index (CRI) of over 90, making it ideal for retail and hospitality applications where quality of light is everything. Available in black or white, the product has an elegant tubular look, and shares design elements with the other Tonic products, allowing designers to create clean, consistent interiors. LED technology and highly efficient optics allow Tonic Spot to achieve savings of more than 40% compared to 35 W and 50 W metal halide lamps. Interchangeable lenses offer a range of beam shapes, from a 12° spot to a 60° flood. Fully compatible with Thorn's Supertrack 2 system, Tonic Spot gives lighting designers maximum flexibility.

[www.thornlighting.com/TNCS](http://www.thornlighting.com/TNCS)



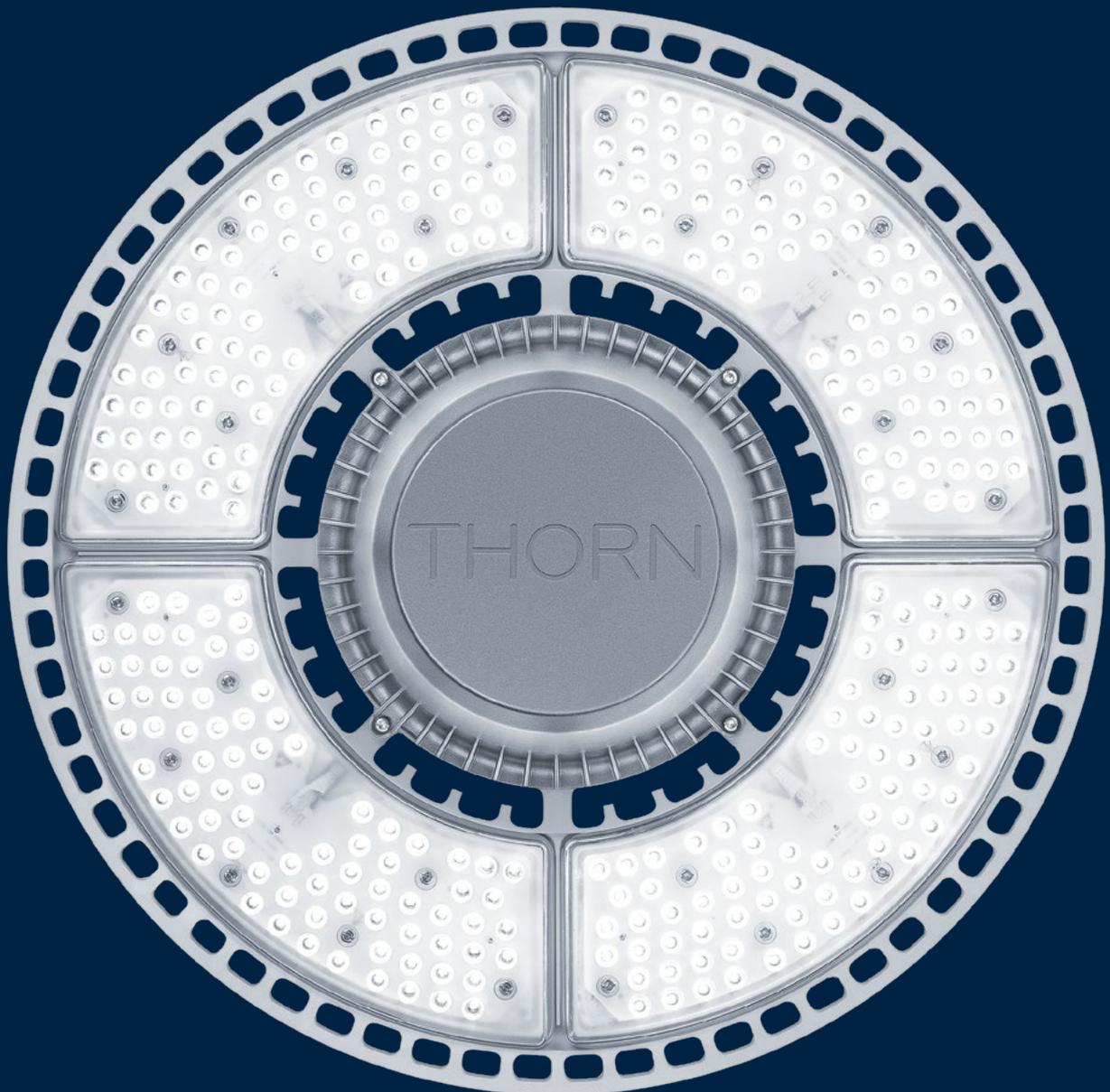
# FLEXPAK

This brand new LED high bay luminaire comes packed with cutting-edge features, including wireless control.

Thorn's brand new FLEXPAK is a revolution in LED high bay lighting using the latest technology to meet lighting challenges of today and tomorrow. FLEXPAK is quick and easy to install and commission. With single-suspension mounting especially suitable for refurbishment FLEXPAK offers most features and performance for flexible use in a classic round highbay shape. Maximum lifetime is ensured by an innovative design that protects the control gear and sensor electronics from high temperatures allowing a lifetime of up to 100,000 h. FLEXPAK is available in three sizes providing light output of up to 31,000 lm, with wide and extra wide light distributions available at luminaire efficacies of up to 150 lm/W. Further energy saving is provided by compensating for light depreciation over time, maintaining constant output throughout its lifetime.

A wireless control system allows flexible positioning of sensors and luminaires that can be grouped remotely. Using an innovative DALI driver plenty of further options like corridor function with various parameters can be used.

[www.thornlighting.com/FPAK](http://www.thornlighting.com/FPAK)







## LEDFit

Thorn's lean, light and low-energy new LED floodlight.

LEDFit is a compact, efficient LED floodlight designed as a direct replacement for HID. Leaner and lighter than the competition, LEDFit is ideal for low area lighting, building surroundings and façades. LEDFit is available with true asymmetric light distribution and comes in two sizes, providing 4500 lm or 9000 lm, achieving efficiency of over 100 lm/W.

[www.thornlighting.com/LEDF](http://www.thornlighting.com/LEDF)

# Indoor

# Outdoor

Chalice Pro HO



**This high-output LED downlight is the ideal replacement for HID fittings in high-ceiling settings such as transport hubs and shopping centres.**

Chalice Pro HO is Thorn's high-performance LED downlight for high-ceiling indoor applications. Delivering lumen packages of 5000 lm to 10,000 lm, Chalice Pro HO is designed to replace 70 W, 100 W and 150 W HID downlights in locations such as airport terminals, rail stations, shopping malls and hotel atriums. The product is available in a recessed version, rated to IP54, and a surface-mounted version, rated to IP65, making it suitable for outdoor use. Chalice Pro HO combines high output and high efficiency, achieving luminous efficacy of 110 lm/W. It is available in colour temperatures of 3000 K and 4000 K, with a colour rendering index (CRI) of over 80. This precision-designed luminaire achieves a unified glare rating (UGR) of less than 22, and DALI dimming versions are available to ensure lighting is comfortable and efficient at all times.

[www.thornlighting.com/CHPH](http://www.thornlighting.com/CHPH)

Alumet Control Direct



**An elegant outdoor column boasting smart, long-lasting LED technology.**

Thorn's Alumet Control Direct column is now available in LED. The new design with a pure appearance fits perfectly into the cityscape. Ideal for piazza, pathways and public spaces, this leading product is now even longer-lasting, with a lifetime of 100,000 hours. It's also more energy efficient, offering significant savings over traditional metal halide sources. Alumet Control Direct is made from high-quality materials and designed to withstand damage from vandalism and the weather. Rotationally symmetrical and asymmetrical light distributions are available, and achieve a wide range of demanding lighting projects. Moreover, the comfortable diffuser and unique range of decorative lampshields will enhance the experience of the citizens. DALI, LRT and motion detection come as standard, giving the specifier complete control. A variety of sensors can be easily built in, as well as other features such as parking indicators and vehicle chargers, making Alumet Control Direct ready for use in today's smart cities.

[www.thornlighting.com/ALUM](http://www.thornlighting.com/ALUM)

# Upgrade

Cetus LED



**Thorn's versatile low-height LED downlight is now more efficient than ever.**

The Cetus LED downlight uses less energy than ever, with efficiency now exceeding 100 lumen/watt. The product has a 50,000-hour lifetime and is rated to IP44, keeping maintenance costs minimal. Cetus LED is ideal for corridors, circulation areas, bathrooms and for general lighting. And its low height means it can be installed even in areas with restricted ceiling space. Versions are available with lumen packages of 1000 lm or 2000 lm, in colour temperatures of 3000 K or 4000 K. Fixed output and emergency options are available.

[www.thornlighting.com/CTUL](http://www.thornlighting.com/CTUL)

Chalice



**The latest Chalice downlight offers the same great performance, for even less energy.**

Thorn's Chalice family of downlights are now more efficient than ever, keeping energy consumption and running costs to a minimum. Producing more than 110 lumen/watt, these highly versatile luminaires are ideal for applications such as offices, classrooms, shops, hotels and residential buildings. Maintenance costs are also kept low, thanks to Chalice's IP54 rating and 50,000-hour lifetime. Chalice is available in two sizes, for 150 mm and 200 mm cutouts, with lumen packages ranging from 1100 to 3000. Fixed output, DALI dimming and emergency options are available. For UK specifiers, the products meet the criteria of the government's Enhanced Capital Allowance scheme, making them even more cost-effective. Also available is the Chalice Pro, with efficiency of more than 120 lumen/watt.

[www.thornlighting.com/CHLC](http://www.thornlighting.com/CHLC)

HiPak



**The latest generation of our popular industrial luminaire offers incredible efficiency and precise control of light.**

The latest generation of Thorn's HIPAK industrial luminaire is now more energy efficient than ever, achieving an exceptional 120 lumen/watt. Designed as a direct one-for-one replacement for HID fittings, its single-point suspension design makes installation a simple matter of 'plug and play'. A choice of light distributions makes HIPAK suitable for lighting racking or open areas. High-precision lens technology puts light just where you need it, reducing spill light and maximising energy savings.

[www.thornlighting.com/HIPK](http://www.thornlighting.com/HIPK)

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### 5 Year Warranty

As a globally leading luminaire manufacturer, Thorn Lighting provides a five-year warranty for its complete product range within all European Countries.

[www.thornlighting.com/warranty](http://www.thornlighting.com/warranty)

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