

THORN

Product Focus | Spring 2016



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EquaLine Mini

A new addition to the linear EquaLine range, EquaLine Mini is an elegant, slim light line suitable for continuous mounting.

EquaLine Mini provides seamless lighting with high quality of light across the luminaire's entire length for a great variety of applications. Flexible and easy to integrate into the environment, EquaLine Mini provides a homogenous light distribution through individual or linked luminaires. It can be used to illuminate a space or as a decorative lit line. An anodized aluminium body combined with a minimalist design and consistent line of light creates quality and elegance. The latest LED technology ensures reliable light performance and high efficacy (120lm/W). Combined with DALI dimming, EquaLine Mini increases energy savings even further. EquaLine Mini benefits from "I", "L" and "T" joining accessories for flexible lighting design. Installation is fast and easy due to the end to end wiring connectors.

www.thornlighting.com/EQUM





IQ Wave

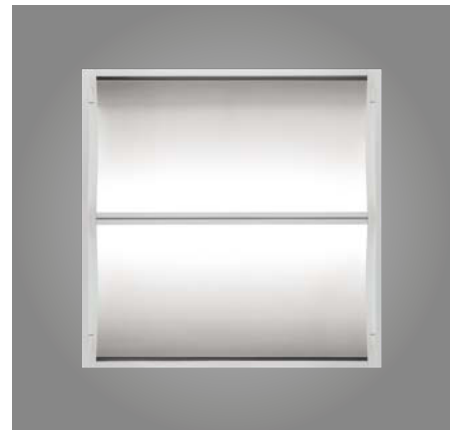
IQ Wave is a recessed LED luminaire focusing on intelligent design, optics, installation and control. As a result great lighting quality and high user comfort are provided.

IQ Wave features Thorn's unique MV-Tech light optic which creates a smooth, homogenous illuminance. No LED are visible and a comfortable, ambient indirect light is created. As well as low glare (UGR 19, <3.000 CD/m² at 65°), IQ Wave is highly efficient (100lm/W) to achieve significant energy savings in comparison to conventional light sources. Distinctly different to flat panels, IQ Wave benefits from a modern wave design and the flexibility of several installation options, including recessed in exposed and concealed grid systems as well as plasterboard.

Easy to install, it offers hassle-free levelling into all compatible ceilings types.

IQ Wave is available with a light output of 3 000 and 3 500 lumens, in two square sizes (597x597mm and 622x622mm) and a choice of colour temperatures (3000K, 4000K and 6500K). The family has a range of control systems which allow for daylight, presence and absence detection using PIR and microwave sensors. IQ Wave is also available with a wireless radio frequency sensor, ideal for retro fit solutions.

www.thornlighting.com/IQWW







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Virgule LED



Virgule LED is a versatile LED spotlight designed for track and independent ceiling mounting.

Virgule LED is the ideal spot light solution with low cost of ownership available with 1 000 to 3 800 lumens replacing 35-70W metal halide lamps. High efficacy ensures low energy consumption while a long 50 000-hours lifetime significantly reduces maintenance requirements and costs. Virgule LED offers great lighting quality with a colour rendering index above 80 that goes in hand with MacAdam 3-step ellipses for colour stable lighting and colour temperatures of 3000K and 4000K. Virgule LED is suitable for applications including presentation, retail and hospitality and offers different light beam shapes including spot, flood and wideflood. 355° rotation and 180° tilt provide further flexibility as well as interchangeable reflectors. Virgule LED has an integrated track box driver which allows for tool-free track mounting. Virgule LED is UVA/IR free to reduce colour damage potential.

www.thornlighting.com/VRG2

Areaflood Pro

Areaflood Pro is a general purpose area/sports floodlight with superior optical performance and control (0cd at 90°, minimal spill light) and high efficacy (105-115Lm/W).

Areaflood Pro provides high light output with comfort and energy savings. The floodlight is a low cost of ownership LED alternative to HID solutions and offers low maintenance requirements with a substantial 100 000-hours lifetime for both the LED (B10L80) and drivers (Ta25°C).

A compact, lightweight design makes the floodlight easy to install and easy to retrofit to any existing column for reduced structural costs. This family range offers a great lumens per size ratio with a choice of three sizes and lumen outputs from 5 000 to 35 000Lm. Five light distributions (three asymmetric and two street optics), a choice of colour temperatures (4000K with the option of 3000K) and a range of controls (including DALI, bi-power and power line or radio frequency control management system) as well as accessories (baffle or visor) ensure suitability for the application. Areaflood Pro has high mechanical resistance (IP66, IK08) and is available in electrical classes CL1 and CL2.

www.thornlighting.com/AFLP









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Thor L



Thor L is an urban lantern featuring great light optics for high user comfort that integrates easily into every city environment due to the amount of mounting options.

Thor L delivers a light output of up to 12 000 lumens. The lantern Thor L offers a range of mounting options including lateral, post-top, suspended and catenary. The choice of either a full dome or opal finish helps create a beautiful lighting signature while compatibility with three R-PEC optics (narrow road, wet road and street comfort) allows precise light placement with no waste light. Thor L's efficient luminaire efficacy (up to 119Lm/W) provides high energy savings and a low maintenance 100 000-hours lifetime. Dimming is included as standard. With its timeless appeal, Thor L offers a truly connected solution as it can incorporate intelligent wireless control systems and it is compatible with various communication devices, including CCTV cameras.

www.thornlighting.com/THOR

Urba Deco



Urba Deco is a decorative urban LED lantern with a unique shape to provide high lighting quality and to create ambience across the cityscape.

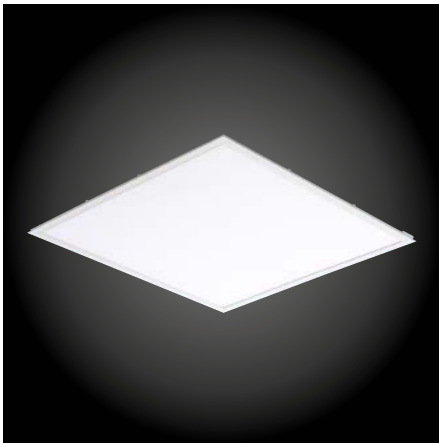
Urba Deco is very versatile, it enables to cover complete projects with a maximum of consistency in design as it can be mounted either as a post-top, suspended, wall and catenary depending on the cityscape requirements. In addition, it is available with a collection of dedicated columns and brackets. The lantern is available with an efficient clear or comfortable prismatic diffuser and symmetrical or asymmetrical optics. It offers more than 20 different light distributions to create the right light for the application. Urba Deco is available with a light output of up to 8 000 luminaire lumens while high efficacy ($>100\text{lm/W}$) ensures low energy consumption. Urba Deco complies with the most restrictive lighting pollution laws ($\text{ULOR} = 0$) and has a 100 000-hours (B10L90) lifetime to reduce costly and time-consuming maintenance. IP66 and IK10 ratings ensure durability.

www.thornlighting.com/URBD





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Beta Office

Beta Office is a low glare (UGR 19, <3.000 CD/m²) recessed LED luminaire providing comfortable lighting, ideal for office environments.

With seamless corners and a slim design Beta Office integrates easily into every environment. The flat panel luminaire has a light output of 3 200 lumens. High efficacy (95Lm/W) ensures low energy consumption as well as a long 50 000-hours lifetime. Beta Office is available in colour temperatures of 3000K and 4000K, and with a colour rendering index (CRI) up to 80.

www.thornlighting.com/BETA

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Diamond Edge

Diamond Edge is a versatile decorative wall luminaire featuring edge lit optics to create a unique downward light distribution.

Available in 1 100 and 1 900 lumen variants and a high efficacy (76 and 85Lm/W), the Diamond Edge features an LED light source mounted on the edge of the fitting, rather than the back. Through the use of special optic fields light is directed downward; making it ideal for applications such as corridors and walkways; where a higher lux level is required on the ground. By directing light to only where it is needed the Diamond Edge helps maximise energy efficiency. Diamond Edge has an attractive, slender profile and is IP65 and IK10 rated. The range of lighting controls includes microwave presence sensors, DALI dimming and a corridor function.

www.thornlighting.com/DMND

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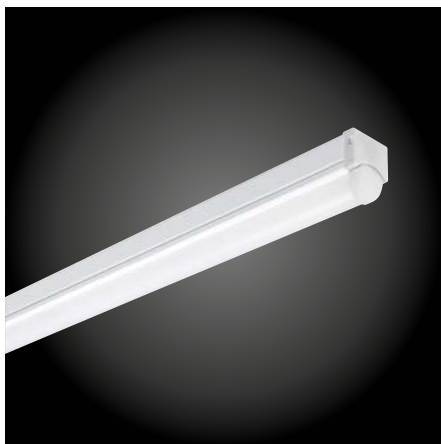


Cetus Mini (extension)

Cetus Mini is a highly efficient recessed LED downlight with over 92Lm/W, fire rated (30, 60 or 90 minutes) with fixed or adjustable options.

Expanding the existing Cetus LED portfolio, Cetus Mini with its small ceiling cut out fits perfectly for residential and commercial applications, including retail and hospitality. The compact design of the luminaire allows installations into shallow ceiling voids thus maximising ceiling heights. Latest LED technology has increased the lifetime and replicates the appearance of a halogen light. Ideal for replacing a traditional halogen downlights installation, Cetus Mini benefits from a reflector optic with a beam angle of 36° for visual consistency. It is available with white or chrome trims, 550Lm and now also 900Lm. In addition to 3000K and 4000K, the range now also includes a colour temperature of 2700K to create a warmer atmosphere. Cetus Mini is available with IP20 or IP65 ratings.

www.thornlighting.com/CTUM

**PopPack LED (extension)**

A 2ft (600mm) and 5ft (1,5m) high performance LED extension to the popular PopPack batten range.

Lengths of 600, 1 200, 1 500 and 1 800mm provide even greater choice for flexible lighting design. PopPack LED 2ft and 5ft feature fixing and connection points which are identical to older PopPack models to provide an easy refurbishment solution. High efficacy (>100Llm/W) helps achieve a quick return on investment while a replaceable LED engine allows performance to be easily maintained over time. Suitable for a wide range of industry and engineering applications, PopPack LED benefits from an extensive lumen package ranging from 3 000 to up to 9 000 lumens. It has a 4000K colour temperature. A 50 000-hours lifetime ensures low maintenance throughout this product's lifetime. PopPack LED is available with a HF, HFI or E3 ballast.

www.thornlighting.com/POPL

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Gamma LED

Gamma LED is an urban lantern with high comfort, lighting controls and a 100 000-hours lifetime with extremely low maintenance offering a fast return on investment.

Gamma LED has a classic shape for easy integration into residential areas and is available with a frosted diffuser to increase comfort for pedestrians. The lantern easily replaces opal spheres with the latest LED technology. IP66 and IK09 rated, it has a wide range of light outputs from 1 500 to 6 000 lumens and a choice of two colour temperatures (3000K and 4000K). Gamma LED is available with Thorn's bi-power dimming as standard to reduce energy consumption over night by 50%. It is also compatible with DALI dimming, Thorn's motion detection MovU controls as well as centralised radio frequency and power line controls.

www.thornlighting.com/GAML

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Arena Symphony LED

Specifically designed for the classroom, Arena Symphony LED combines a slim profile with high performance sound absorbing features.

Arena Symphony LED is a suspended luminaire with direct/indirect light, EN 12464 compliant and provides sound absorbing panels to BB93 standards. It is also possible to install lighting controls and the luminaire has options for emergency systems. Fitted with high performance LED, Arena Symphony LED offers excellent efficacy (100lm/W) to increase energy savings in classrooms. Providing choice and flexibility, Arena Symphony LED is available in different lengths and lumen packages as well as with different optics and dimming options. For an easy refurbishment solution with quick installation Arena Symphony LED can be supplied with the ready2mains™ technology from Tridonic. Arena Symphony LED offers a great solution integrating lighting and sound absorbing features for classrooms.

www.thornlighting.com/ARNS

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Beta

Beta is a recessed LED luminaire with high efficacy (95lm/W) for low energy consumption as well as a long 50 000-hours lifetime.

The luminaire is part of Thorn's trade product portfolio and comes with picture packaging. With seamless corners and a slim design Beta has a sleek appearance. The luminaire provides a light output of up to 3 400 lumens. It is available in colour temperatures of 3000K and 4000K, and with a colour rendering index (CRI) up to 80.

www.thornlighting.com/BETA

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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. Effective from 1st May 2015.

Thorn Lighting is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. The right is reserved to change specifications without prior notification or public announcement. All goods supplied by the company are supplied subject to the company's General Conditions of Sale, a copy of which is available on request. All measurements are in millimetres and weights in kilograms unless otherwise stated.

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