

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

Thorn's smart IQ Wave brings comfort and quality lighting to offices and schools

The IQ Wave family creates comfortable light for healthier, more productive spaces with the flexibility of different mounting options to suit various design preferences.

London, November 2017 – Thorn has focussed on three key factors that define great office lighting and fulfil user requirements to create the new [IQ Wave](#) family. Building on the understanding of how light affects people, IQ Wave provides light to support comfort, alertness and happiness in offices and schools taking in to consideration the variety of different functions, forms of communication and physical nature of modern offices. In short: Task – Face – Space.

- **Task** – First of all, the light has to effectively support employees in their daily tasks. Modern office spaces are home to many different ways of working: from traditional individual work at a desk to the use of mobile devices, team working and online meetings. These different methods are highly dependent on communication and characterised by employees working together. Providing the right uniform light level is therefore crucial, with European standards stipulating between 300 and 500 lux, depending on the exact nature of the activity.
- **Space** – Alongside the actual working areas, it is important that the general office illumination is designed and realised in a way that supports a pleasant and welcoming atmosphere. Diffuse light and a mixture of vertical and horizontal lighting create spaces where people can concentrate and work in a relaxed manner, while brightly lit ceilings and walls provide additional comfort.

- **Face** – As the focus is very much on personal communication in the contemporary working environment, lighting has to support human interaction in every space - whether it is in a meeting room, a break-out area or a video conference. Three requirements should be met to make sure individuals can clearly see the gestures and facial expressions of conversation partners: a cylindrical illuminance of 150 lux at head height, strong modelling characteristics and good colour rendition for faces.

Thorn has taken these three aspects into account to develop the special features of the new IQ Wave family. The patented MV-Tech optic creates uniform, pixel-free light - without direct visibility of the individual LED points. The direct/indirect light distribution is achieved with the help of a special reflector and ensures perfect lighting for the various tasks, the general space and the different forms of personal communication between colleagues.

The range of integrated control systems such as daylight, presence and absence detectors with PIR and microwave sensors, along with a wireless radio sensor, support further energy savings and empower users to manage their own lighting scenes. IQ Wave achieves a unified glare rating of <19, in line with the EN 12464 standard on workplace lighting. It is available in recessed, surface-mounted or suspended versions, all sharing the same comfortable, glare-free illumination and modern, simple look.

The recessed version is available with light intensities of 3100 and 4100lm, and colour temperatures of 3000K, 4000K and 6500K. The surface and suspended versions are available with lumen packages ranging from 2600 to 6700lm, in colour temperatures of 3000K or 4000K.

The surface and suspended versions are available in 1200mm and 1500mm lengths, which can be joined together in an unbroken line, to create a sleek, minimal look. Rated IP40 for protection against moisture and dust, IQ Wave meets the right standards for schools as well. The surface and suspended versions will be available from 30th November 2017.

Thomas Andres, Global Product Manager: “Employers are becoming more and more aware of the importance of people’s wellbeing in office spaces, and the influence that light has on this. With IQ Wave, businesses can have it all: energy savings, high performance, and above all, a lighting scheme that provides comfort, keeping workers productive.”

Facts and figures – IQ Wave

- Luminous flux recessed: 3100 lm and 4100 lm
- Luminaire efficiency: >80 lm/W
- Cylindrical illuminance: 150 lx (as recommended by EN 12464-1)
- Colour temperature recessed: 3000K, 4000K or 65000K
- Colour temperature surface/ suspended: 3000K, 4000K or 65000K
- Colour rendering: CRI 80
- UGR: <19 (as recommended by EN 12464-1)
- Modelling index: 0.41 - 0.43 (EN 12464-1 recommends values between 0.3 and 0.6)
- Luminance: <3000cd/m² (as recommended by EN 12464-1)
- Lifetime: 50,000 hours
- Installation recessed: Easily installation through red-flag system which allows effortless levelling on all suitable ceiling types
- Installation surface/suspended: Delivered pre-assembled. The double compartment shipping box supports step-by-step installation. Elongated suspension holes allow the adjustment of the luminaire easily.

Images:

(Photo credits: Thorn)



Image 1: In a workplace, IQ Wave illuminates walls, faces and desks clearly and comfortably, creating a pleasant and productive atmosphere.



Image 2&3: IQ Wave is available in recessed, surface-mounted or suspended versions.

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

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