

# THORN

LIGHTING



# CONTUS

FOR RETAIL

Linear lines of light installed  
in market-leading times



WE  
MAKE  
LIGHT  
WORK

# EFFICIENT, FLEXIBLE TRACK SYSTEM

**WITH BEST IN CLASS INSTALLATION TIME  
AND EASY MAINTENANCE**

Contus is Thorn's primary ambient lighting solution for retail environments. It can optimally support different areas from the sales floor such as shelving, merchandise, aiseways and general circulation routes, as well as stock rooms and warehouses back-of-house.

Contus provides uniformity of light, through its precision lens optics with a variety of beams including shelf beam and wide beam, appropriate for different areas within the retail space.

Contus track is highly flexible; easy to suspend or mount from the ceiling. The patented tool-free electro-mechanical twist and lock mechanism allows Contus batten luminaires to be rapidly installed, saving time and cost. Contus is fully adjustable to cater for the constantly changing needs of a retail sales environment.

Contus is ideal for both store refurbishment as well as new-build projects, both with their own complexities with regard to energy efficiency, cost reduction and installation time constraints.

The battens are protected from dust and dirt ingress, preserving the light efficiency through the precision optics. With up to 163 lm/W efficacy, up to 10,000 lumens and 50,000 hours lifetime (L80:B10) Contus can be trusted to perform.



Retail



Industry



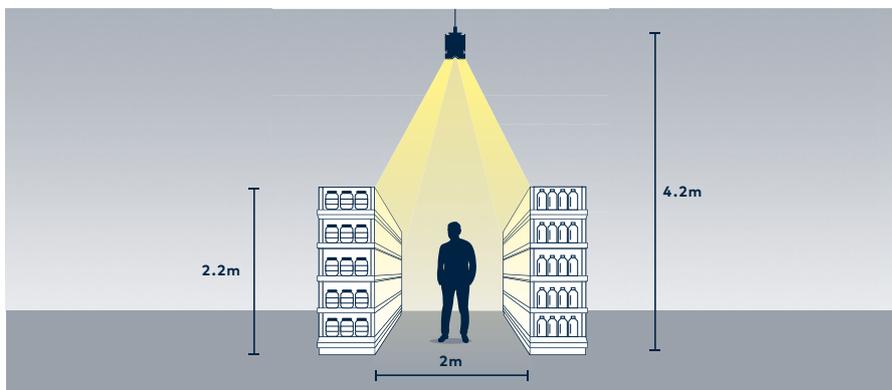
Logistics



# ON THE RIGHT TRACK FOR RETAIL

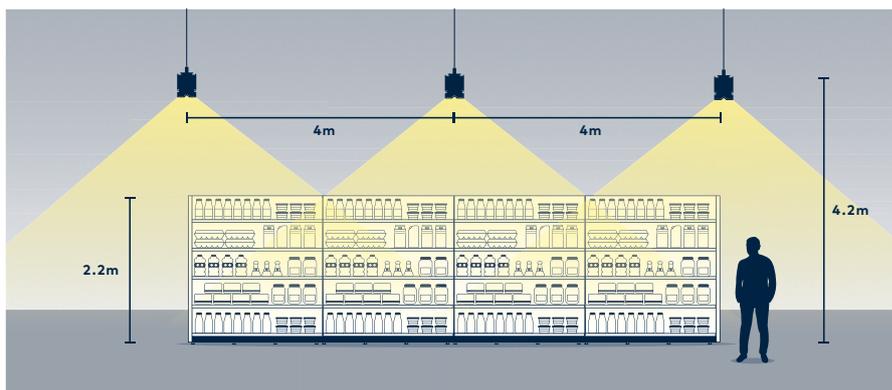
Retail applications such as supermarkets and big box retail like DIY or out of town stores are large spaces, requiring high levels of illumination, with the additional requirement to reduce cost of installation and maintenance.

Track allows for a cost-effective infrastructure and flexibility in the lighting design. Contus can be configured with a choice of four batten optics – shelf, wide, very wide and narrow beam, depending on the task.



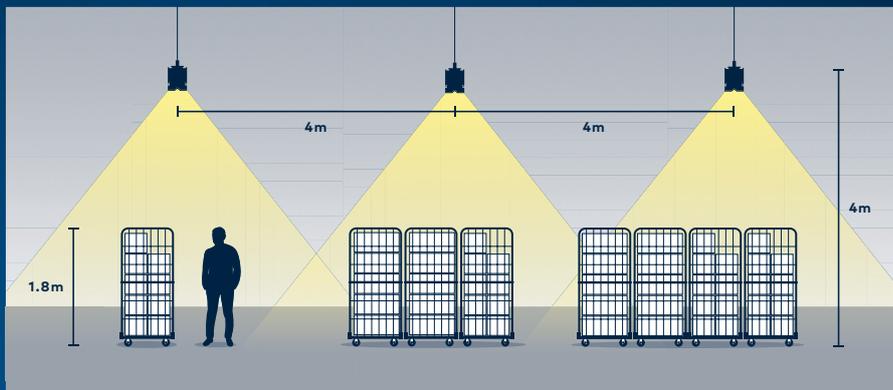
## MERCHANDISE SHELVING & AISLEWAYS

The **shelf beam** optic of Contus is used to deliver high vertical illuminance and uniformity to the products within the aisles, focusing consumer attention to the product, whilst not over-lighting the aisleway. This results in more efficient use of light, driving additional cost efficiency.



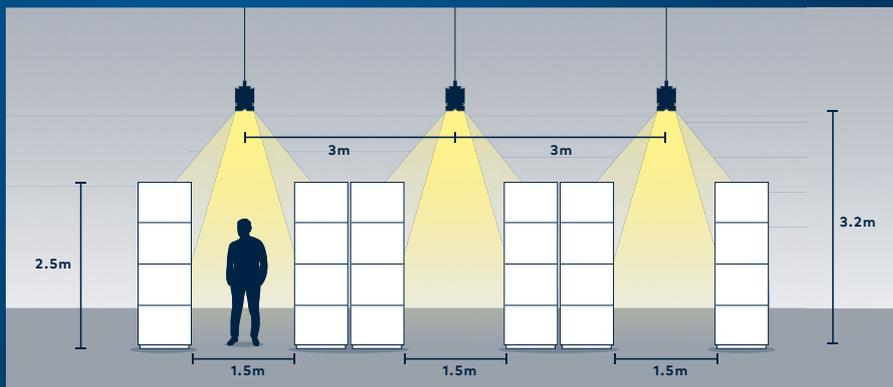
## CROSS-AISLE LIGHTING

Cross-aisle is a cost-effective way of illuminating a retail space from an installation standpoint. Utilising the **very wide beam** optic of Contus to increase spacing of rows between luminaires, we can reduce the number of fittings and also maintain good illumination to the vertical planes within the aisles as well as general circulation and other open areas, saving both energy and installation time and cost.



## FAST MOVING STOCK AREAS

Contus with the **wide beam** optic is an ideal choice for busy, fast moving stock areas with its wide distribution at lower mounting heights, providing uniform lighting that helps to minimise hazards in these areas. Warehouses and stock rooms have continuous goods-in / goods-out to constantly replenish the sales floor. It is important that these areas are well lit and have good uniformity increasing safety of occupants when moving stock cages within the space.



## HIGH VALUE ITEM STORAGE

Utilising the **narrow beam** optic, Contus provides uniform illumination to the shelf surfaces, aiding employees within these typically narrow spaces, minimising picking errors and encouraging faster workflow. Additional benefits include minimising waste light to the tops of the shelves, increasing efficiency and reducing energy costs.

# RISING TO THE CHALLENGE

Efficiently lighting large stores such as supermarkets with long opening and operating hours poses a significant challenge to retail companies.

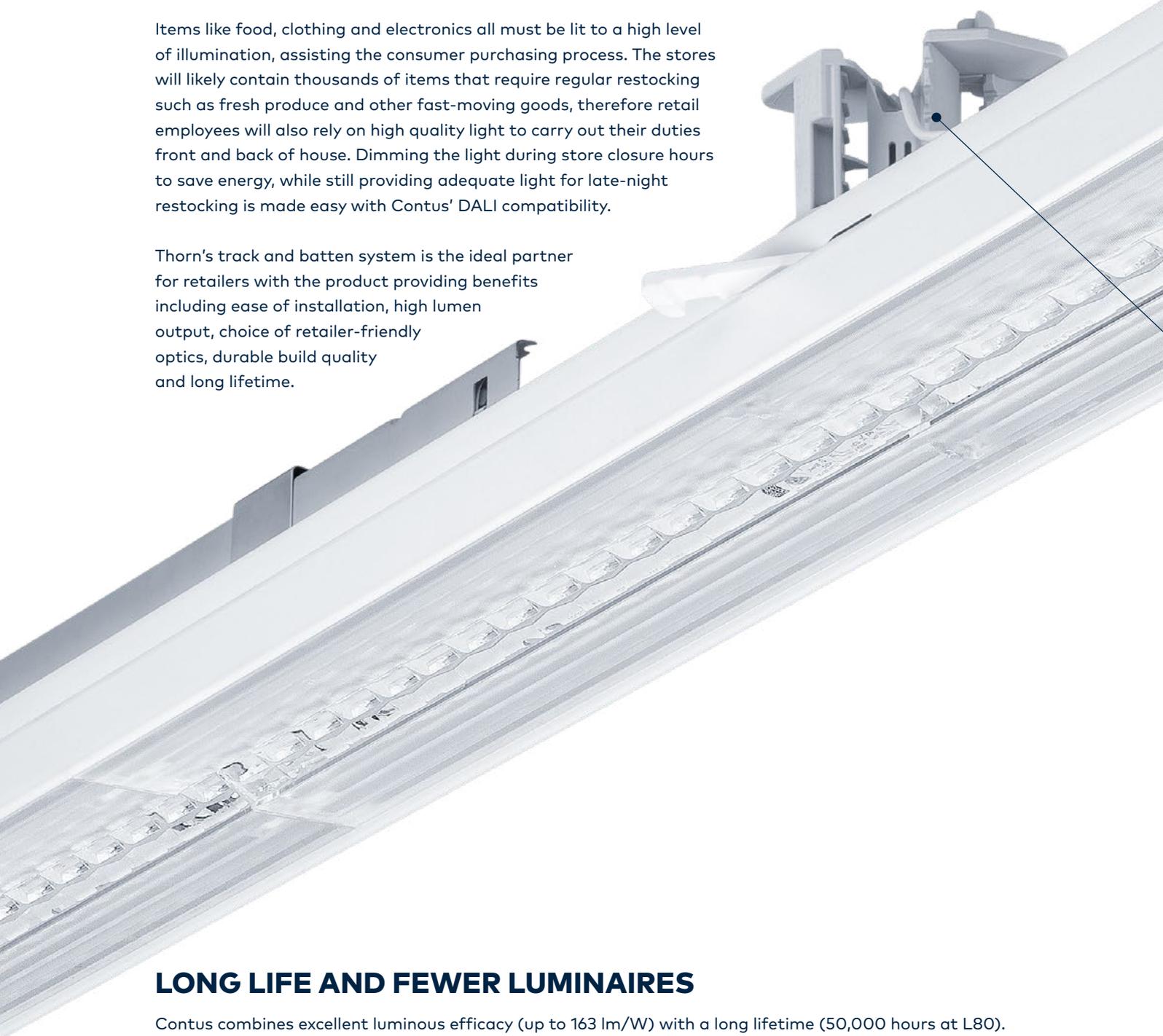
Items like food, clothing and electronics all must be lit to a high level of illumination, assisting the consumer purchasing process. The stores will likely contain thousands of items that require regular restocking such as fresh produce and other fast-moving goods, therefore retail employees will also rely on high quality light to carry out their duties front and back of house. Dimming the light during store closure hours to save energy, while still providing adequate light for late-night restocking is made easy with Contus' DALI compatibility.

Thorn's track and batten system is the ideal partner for retailers with the product providing benefits including ease of installation, high lumen output, choice of retailer-friendly optics, durable build quality and long lifetime.

## LONG LIFE AND FEWER LUMINAIRES

Contus combines excellent luminous efficacy (up to 163 lm/W) with a long lifetime (50,000 hours at L80). Thanks to innovative optics and high lumen packages, even the distance between the continuous rows can be significantly increased. In summary, fewer luminaires may be required thanks to the wide beam and very wide beam optics, resulting in a faster return on investment.

The combination of benefits allow retail customers to budget for fewer luminaires, saving investment costs and energy. Good for your budget and good for the environment.



## LOW MAINTENANCE

Resistance to dust and dirt minimises cleaning and provides an extended maintenance cycle – very convenient in busy retail stores, with high footfall and very limited access to the luminaires.

## PRECISION OPTICS

The twin-lens optic design of Contus battens distributes the light precisely from the centre to the lateral edges, providing controlled vertical lighting to the products on the shelves below.

## TWIST & LOCK MECHANISM

The tool-free electro-mechanical twist and lock mechanism allows Contus batten luminaires to be rapidly installed and maintained throughout their life, saving time and cost.

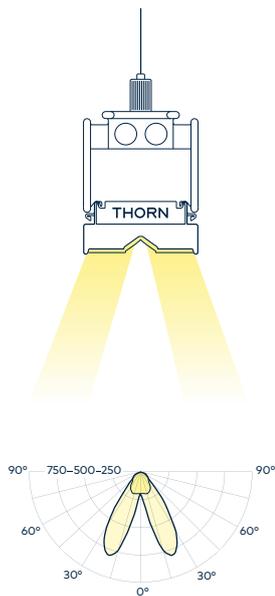
## EXTRA LENGTH

Contus battens are available in 1, 1.5 and 2 m lengths. The 2 metre batten offers more benefits than the shorter variants, as around 25 % fewer luminaires will be required to light the space, resulting in an installation time reduced by up to 40 %, compared with shorter continuous row luminaires.

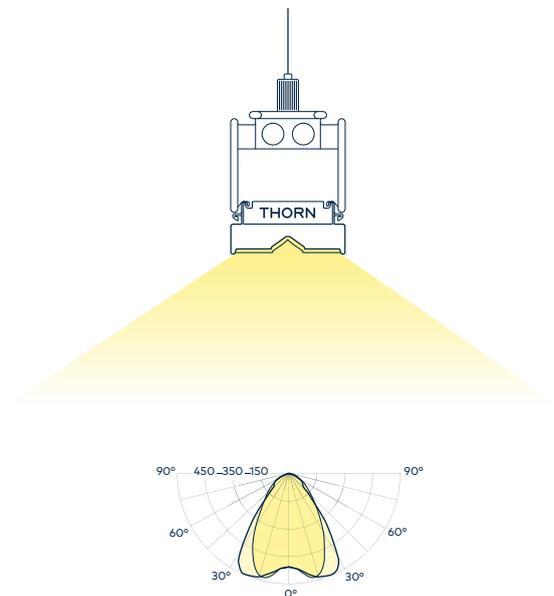
# TASK OPTIMISED OPTICS

A choice of four specially designed Contus batten luminaires, each with unique optical characteristics, can be installed on the Contus track system. Thorn Contus battens will ensure that different areas of a retail store will be lit in the most optimal way.

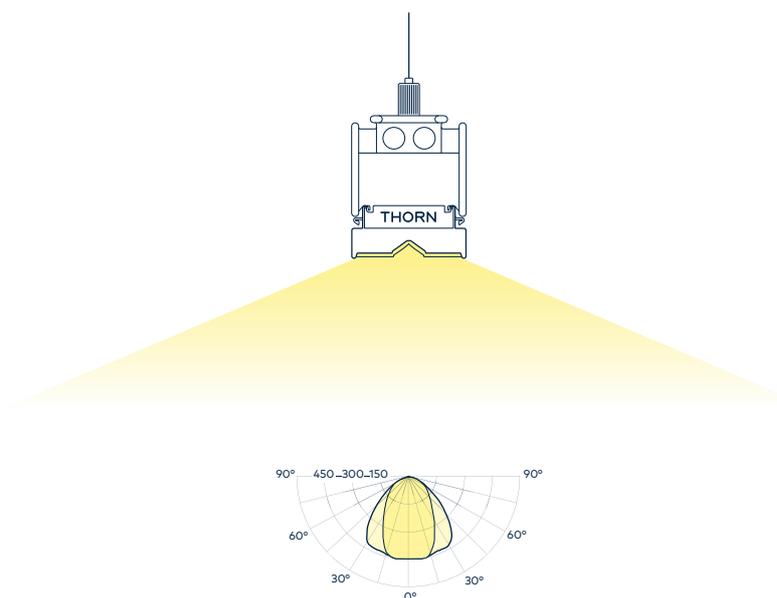
## SHELF BEAM DOUBLE ASYMMETRIC



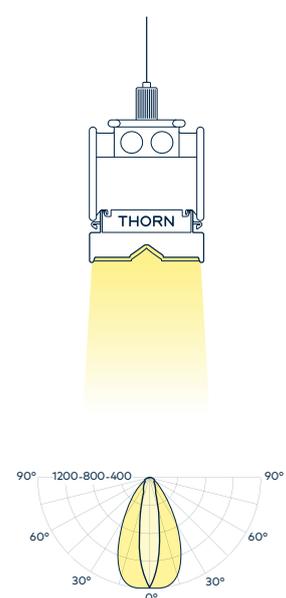
## WIDE BEAM



## VERY WIDE BEAM



## NARROW BEAM



# MODULAR INFRASTRUCTURE



## THE CONTUS TRACK SYSTEM

Comprising of standard modular components in lengths of 1, 2, 2.5 and 4 metres. This makes lighting design and implementation easy thanks to gradation in 0.5 m increments. Customers will save time with planning and installation.



## BLANK END TRACK

Supplied as a 1 metre channel, this can be cut to length by the customer. This ensures a seamless finish and allows for electrical feed-out, so you can join multiple Contus lines together.



## NODE CONNECTORS

Using various node connectors, Thorn's Contus continuous-row lighting system can be assembled and combined in a myriad of variants. Contus L and T nodes open up many different options for creative design using linear light. The structures themselves can therefore become a fundamental part of the interior design.



# SUSTAINABLE, ECONOMIC LIGHTING



L1 L2 L3 N  $\perp$

**5 connections for power supply** (5 x 2.5 mm<sup>2</sup>)

Separately switchable 3-phase circuits for simple light control.

EN1 EN2 EL1 EL2

**4 poles for two independent emergency lighting circuits** (4 x 1.5 mm<sup>2</sup>)

Two independent emergency lighting circuits allow optimal integration of emergency lighting with the general lighting.

D1 D2

**2 control lines with DALI protocol for brightness control** (2 x 1.5 mm<sup>2</sup>)

Efficient, flexible, customised lighting control.

**Lighting and energy management are extremely important in retail applications.**

**Typically there are three illumination settings:**

- 01** General store opening hours (Full Output)
- 02** Stock replenishment before and after store opening hours (50 % dimming or switching)
- 03** Cleaning hours (75 % dimming or switching)

# QUICK AND EASY INSTALLATION



Consultants, contractors, wholesalers and electricians will all be impressed with the simplicity of configuration and installation of Contus. It provides a streamlined infrastructure with high flexibility and fast, tool-free installation.

A comparison was made of eight different continuous-row LED track systems, with regard to the installation time required for a 15 metre long arrangement.

Conducted by an independent external consultant, the results illustrate that Contus can be installed considerably faster than comparable products.

Up to 55 % of time is saved in comparison to continuous-row LED systems of lighting competitors. Installation time saved equals money saved, and this can be a significant factor in any new-build or refurbishment scheme, where linear lighting is required in multiple locations.

Thorn's Contus solution can also save more than 61 % of time on average, compared to conventional T5/T16 solutions.



## TEST CONDITIONS SETUP:

Length of continuous-row 15 m, ceiling height 3.7 m, height of continuous-row 3.2 m, 2 installers with ladders.

The time indicated is for mounting, excluding unpacking and assembly of suspension systems (approximately 30 min).

# AN ECOSYSTEM OF CONTUS COMPATIBLE LUMINAIRES

An ever-growing ecosystem of indoor luminaires is now available to complement the Contus track system. Take advantage of the rapid-installation of Contus to place pendants, spotlights, battens and emergency lighting exactly where you need them to be.

All the Contus compatible luminaires are designed to simply 'twist and lock' into Contus. This is the time to elevate the lighting in your retail stores.

## GLACIER 2

### Modern and efficient decorative pendant luminaire

Glacier offers a wide variety of pendant choices to suit a range of different retail applications. Select the aluminium housing in either satin grey or black finish, then choose from one of five reflectors; polycarbonate prismatic, glass prismatic, opal glass, grey or black spun aluminium.

With Contus compatible Glacier pendants, efficient ambient illumination is possible for over-the-counter areas, showrooms, cafés and restaurants.

For more information: [thornlighting.com/GLCL](http://thornlighting.com/GLCL)





## GRAFFITI

**High-performance spotlights with optical precision, glare control and integrated driver**

Graffiti is an attractive accent lighting range that has been designed to perform superbly in challenging retail applications, as well as in many other areas. Its 95 mm diameter body (available in a black or white finish) with integrated driver gives a sleek, minimalistic appearance.

Using Thorn's own efficient Contus track system, installation and repositioning (common in retail) of the spotlights is both quick and easy, ensuring items such as merchandise and signage are always lit optimally. Low-glare Graffiti spotlights will enhance the look of items on display while maintaining comfort for customers and the workforce alike.

For more information: [thornlighting.com/GRAF](http://thornlighting.com/GRAF)

# CONTUS COMPATIBLE BATTENS

## POPPACK

The electrician's go-to batten

A firm favourite for decades with more than 70 million units sold, PopPack is now Contus compatible. It is ideal for retail applications where back of house areas including goods in, stock rooms, corridors and other functional rooms can be found.

With the fluorescent tube ban across western Europe, PopPack is the perfect one-for-one LED replacement for single and twin T8/T5 fluorescent battens, and the simple and efficient solution for new installations.

For more information: [thornlighting.com/POPL](http://thornlighting.com/POPL)



# HIPAK

Premium performance high bay with excellent efficiency and wireless control

HiPak in combination with Contus track is an ideal choice for point-for-point replacement of high bays and other high-power luminaires often found in large retail environments. These include DIY stores, hypermarkets and members club wholesalers. HiPak promises a rapid return on investment due to its highly efficient design, with up to 181lm/W output.

Available in three sizes and six lumen outputs up to 35,000 lm, HiPak has the capability to be used in any new large retail lighting scheme or retrofit project. Quality is assured with a 100,000 hour lifetime (L80).

For more information: [thornlighting.com/HIP4](http://thornlighting.com/HIP4)



# AQUAFORCE PRO

Durable and chemical-resistant luminaire

Available in a choice of two materials; Polycarbonate (PC) or Polymethyl Methacrylate (PMMA), Aquaforce Pro is a versatile Contus compatible luminaire that can be used in range of demanding environments.

Resistance to water vapour, dust and dirt, as well as a tough shock-resistant body means Aquaforce Pro is well suited to multiple retail applications including food production areas like bakeries and commercial kitchens in cafés and restaurants, cold storage, stock rooms and general back of house.

For more information: [thornlighting.com/AQUP](http://thornlighting.com/AQUP)

# CONTUS COMPATIBLE EMERGENCY LIGHTING

## VOYAGER BLADE 2

### Sleek and simple

Voyager Blade's Contus compatible body is robust and easy to mount. The base housing is identical for both recognition ranges, reducing complexity. Voyager Blade is supplied with four pictograms (Up, Left, Right, Down) ensuring flexibility at installation.

For more information: [thornlighting.com/VOB2](http://thornlighting.com/VOB2)





## **VOYAGER STYLE**

### **Stylish and strong**

At just 37 mm thick, Voyager Style is slim and unobtrusive. As well as self-contained versions, it is also available for central battery systems. With the Contus compatible mounting, Voyager Style can fit in wherever you need emergency light. Voyager Style is resistant against dust and moisture, making it a versatile solution.

For more information:  
[thornlighting.com/VYST](http://thornlighting.com/VYST)

# IDEAL FOR OFFICE AREAS



## IQ WAVE SP

### Comfort without compromise

Lighting which is too dim, too bright, poorly distributed or flickering can cause health problems including eyestrain, headaches, dry eyes and blurred vision. Today's office areas are filled with glossy devices, connected via video conferencing and operational for increasingly long hours. Taking into consideration these characteristics along with natural daylight (where the space allows), the Contus compatible IQ Wave SP offers advanced glare and lighting control for comfort and productivity.

Designed by Thorn's expert optical team, IQ Wave features our unique MV-Tech light optic. The M represents the shape of the light, emitted upwards from the central optic, and bouncing back down and through the diffuser to create great task lighting. The V represents the light which has been widely dispersed outwards from the centre to create a soft lit appearance and great lighting for faces and spaces.

For more information:  
[thornlighting.com/IQSU](http://thornlighting.com/IQSU)



# CONTUS COMPATIBLE SENSORS

## THE NEXT LEVEL OF CONTROL

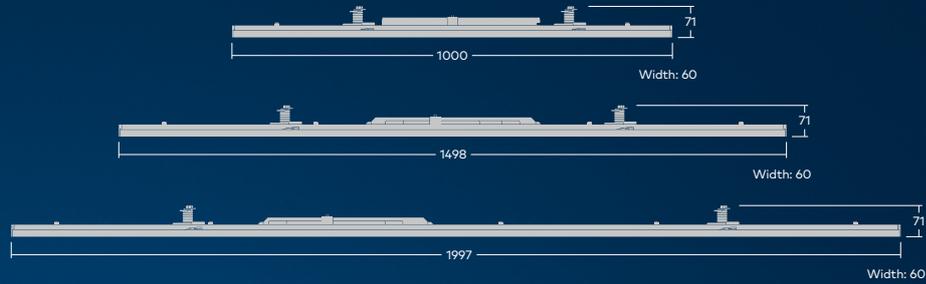
Designed specifically to fit Contus track, simply plug-in to control connected DALI luminaires and unlock further energy savings.

With both wired and wireless (Bluetooth®) options, the perfect control solution is easily configured to your individual requirements. PIR versions are available for three different mounting heights, meaning that no matter the application, Thorn have the right solution for your needs.

- Low Ceiling (LC) for 2-5 m mounting height
- Medium Ceiling (MC) for 5-8 m mounting height
- High Ceiling (HC) for 8-16 m mounting height



# CONTUS



	1000 mm	1500 mm	2000 mm
	128 LEDs	192 LEDs	256 LEDs
	3000 K / 4000 K		
	HE: 3700 lm (1000 mm), 5500 lm (1500 mm), 7400 lm (2000 mm) HO: 5200 lm (1000 mm), 8000 lm (1500 mm), 10,000 lm (2000 mm)		
	Up to 163 lm/W		
<b>CRI</b>	80		
<b>UGR</b>	< 22		
	IP20		
	HE: -10 °C to 35 °C, HO: -10 °C to 30 °C		
	IK07		
	L80 @ 50,000 h		
	Wide Beam (WB), Very Wide Beam (VWB), Narrow Beam (NB), Shelf Beam (SB)		
	White (WH), Black (BK)		
	Switchable / DALI		
	ECD		
	MacAdam 3		



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

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