

**THORN**  
LIGHTING



# HIPAK

Premium performance highbay  
with excellent efficiency and wireless control

# NEXT GENERATION HIGH BAY FOR INDUSTRIAL APPLICATIONS

The fourth generation of Thorn's HiPak high bay is a highly efficient one-for-one replacement for conventional industrial luminaires – and now with an efficiency of up to 181 lm/W, it promises a quicker payback than ever.

With a choice of three sizes and six lumen outputs up to 35,000 lm, HiPak is an ideal choice for point-for-point replacements on retrofit projects. Perfectly crafted optics and refractor accessories also mean HiPak is ideal for applications such as retail, where appearance and visual comfort are high priorities.

HiPak features a range of control options to enable even greater energy savings. HiPak offers both microwave and passive infrared sensors and of course, works seamlessly with our range of basicDIM Bluetooth® wireless control options. Quality is assured with a 100,000 hour lifetime (L80).



Logistics



Manufacturing



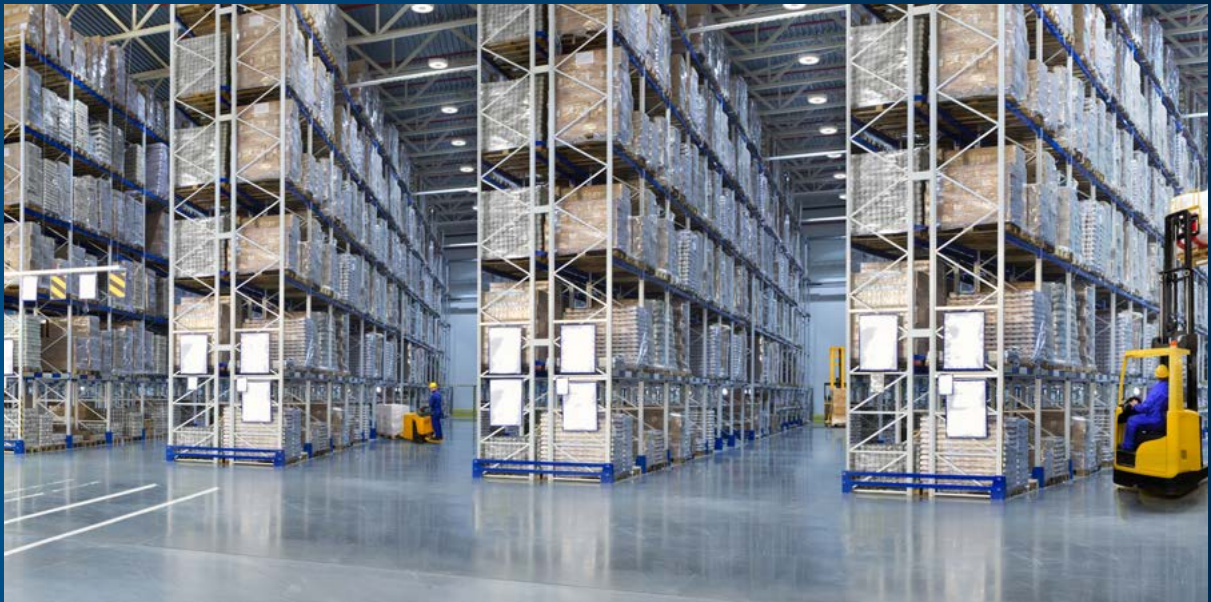
Retail



Industry



Warehousing



# IDEAL FOR REFURBISHMENT

## ONE-FOR-ONE REPLACEMENT

Industrial luminaires need to be powerful enough to light large areas clearly and safely. HiPak easily matches the performance of conventional high bays, so it's an ideal choice as a one-for-one replacement. This enables users to realise rapid savings on energy and maintenance, thanks to HiPak's high efficacy and long life.



### Durability

Heat resistance, dust resistance, moisture resistance (IP65 & IK08)



### Connectivity

With basicDIM Bluetooth® wireless and PIR sensors there are a range of options that further enhance energy savings



### Flexibility

Installation flexibility, Wide Beam and Rack Beam plus accessories

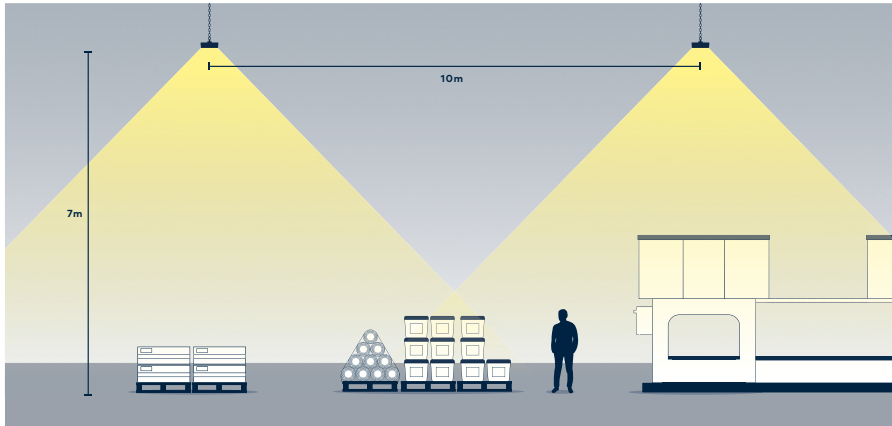
## HIPAK ACCESSORIES

Multiple light distributions are available and specially designed reflectors mean HiPak is also suitable for applications such as retail, where appearance and visual comfort are high priorities.

We have two refractor accessories available. One version in translucent polycarbonate and the other is a solid aluminium refractor.

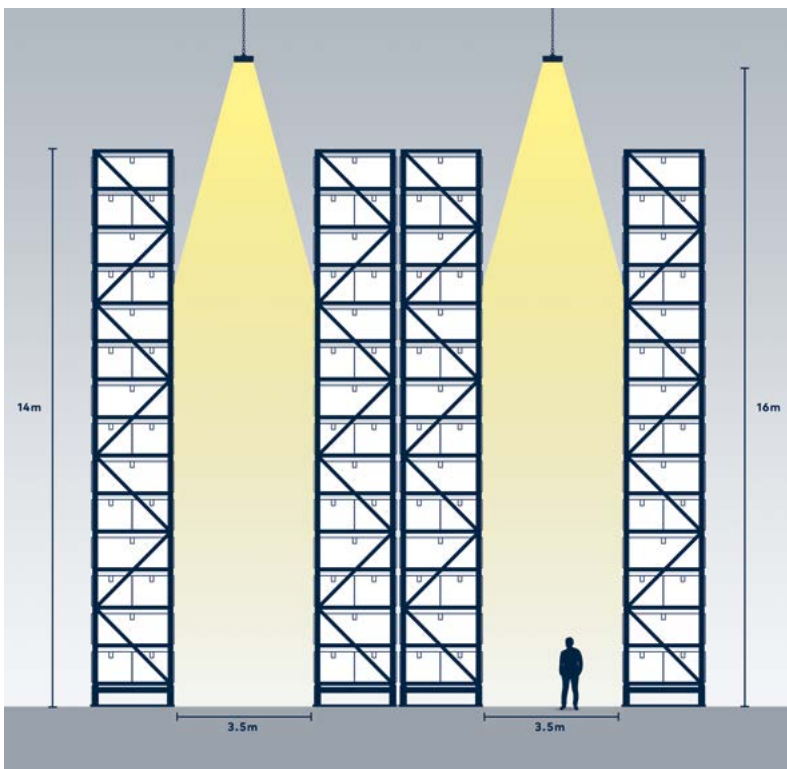


# IT'S ALL IN THE OPTICS



## MAXIMISING LUMINAIRE SPACING

Manufacturing and logistics are two applications that often involve large open spaces, requiring high levels of illumination, with the additional requirement to reduce cost of installation and maintenance. It's expensive to supply power cables to each luminaire in a large space, and so a low cost installation method is preferred. Simple installation along with wide beam optics ensures exceptional light coverage, uniformity and simplified installation.



## HIGH & LOW RACK APPLICATIONS

Racking areas require careful consideration of illumination to ensure that task areas are lit correctly and safely.

For high and low level racking, our uniquely designed rack optic ensures the best possible lit effect. It is important that every rack and shelf is evenly illuminated to enable an optimised picking process.

When the rack beam version of the HiPak is paired with a sensor, we include our rack sensor accessory to optimise the detection area for high and low rack areas.

# HIPAK DETECT & CONNECT

Thanks to the optional integrated basicDIM Bluetooth® wireless module, you can now wirelessly connect HiPak to each other or in groups. There really are a multitude of connectivity options with HiPak depending on your specific needs. Presence sensor options include both Microwave sensors (MWS) and Passive Infrared (PIR) sensors.



## + MICROWAVE SENSOR

The ideal solution for luminaire focused, standalone control.

- 12 m mounting height
- 8-10 m detection area
- Corridor feature
- Remote control for commissioning
- IP65
- Microwave Sensor (MWS) technology



## + PIR SOLUTION FOR A STANDALONE SYSTEM

Full connectivity and control  
8-16 m mounting height

- 16 m with 18 m detection area
- Daylight harvesting
- Remote control to set up
- Standalone sensor with luminaire
- Option to connect up to 64 luminaires via a DALI line
- Presence detection for standalone functionality (PIRILD)

## + PIR SOLUTION FOR A LIGHTING CONTROL SYSTEM

Full connectivity and energy management via a lighting control system such as LITECOM.

- 8-16 m mounting height
- 16 m with 18 m detection area
- Daylight harvesting
- Set up via external application controller
- Presence detection via a DALI line (PIRDA)



Leader



Follower

## + PIR WITH BLUETOOTH

Wireless connectivity via Bluetooth® with localised control for refurbishment.

- basicDIM Bluetooth wireless
- 8-16 m mounting height
- 16 m with 18 m detection area
- Leader and Follower configuration and grouping
- Corridor function
- Daylight harvesting
- Refurbishment without rewire
- Up to 250 light points

The Leader is the primary luminaire containing a sensor which will activate when a person/movement is detected, once activated the Follower will also activate. Once the sensor no longer detects movement then the Leader will switch off which in turn switches off the Follower.

## INSTALLATION & MOUNTING OPTIONS

### Installation in open areas

For open areas, the installation couldn't be easier. We have a stirrup option for mounting directly to a surface or a carabiner and chain option for suspension mounting. Additionally, there's a standardised simple quick electrical connector for a tool-free, minimised installation time.



### Installation for racking

To ensure the correct light levels in racking areas, we provide a mounting rod to ensure that the luminaire stays in place over time and isn't affected by air movement within the application.



# HIPAK



	SMALL	MEDIUM	LARGE
	ø 280 mm	ø 320 mm	ø 380 mm
	4000 K		
	10 000 lm, 15 000 lm	20 000 lm, 25 000 lm	30 000 lm, 35 000 lm
	up to 181 lm/W		
<b>CRI</b>	80		
<b>UGR</b>	< 22 (without refractor) < 19 (with refractor)		
	IP65		
	IK08		
	100,000 h L80		
	Wide Beam (WB), Rack Beam (RK)		
	Ceiling, Catenary, Trunking, Wall, Suspended, Chain, 1-point-mounting		
	Grey - RAL 9006		
	Fixed output (HF), DALI-2, basicDIM Bluetooth® wireless (BC), Microwave Presence Sensor (MWS), Passive Infrared sensor with DALI (PIRDA), Passive Infrared standalone (PIRILD), Passive Infrared with Bluetooth® (PIRBC)		
	3hr manual test, LiFePO <sub>4</sub> battery (E3), 3hr addressable self-test, LiFePO <sub>4</sub> battery (E3D, E3DUK)		
	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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**WE  
MAKE  
LIGHT  
WORK**