

High/Low Bays



High/Low bays

RackBay

The RackBay combine excellent performance with quick payback.

Wattage & CCT switchable

Wattage switchable: one light, three wattage outputs

RackBay provides both the output of a single wattage or three wattages within the same product. Adjust the wattage switch during installation.

Product	0-10V wattage switchable output	
Rackbay 60-100W 3000K/4000K	60-80-100W	8700/9000lm, 11600/12000lm, 14500/15000lm
Rackbay 160-200W 3000K/4000K	160-180-200W	22400/24000lm, 25200/27000lm, 28000/30000lm
Rackbay 200-240W 3000K/4000K	200-220-240W	28000/30000lm, 30800/33000lm, 33600/36000lm

Product	DALI-2 single wattage output	
Rackbay 100W 3000K/4000K	100W	14500/15000lm
Rackbay 200W 3000K/4000K	200W	28000/30000lm
Rackbay 240W 3000K/4000K	240W	33600/36000lm

CCT switchable: one light, two CCT temperatures

Our colour switchable rackbays allows you to stock 2 colour temperatures in 1 product (3000K & 4000K).

Advantages

- Customer can choose which colour they prefer.
- Adjust using a switch during installation.

3000K Warm White



4000K Cool White



Warranty

Long warranty for piece of mind.



**5 year
guarantee**



**2 year on-site
warranty**

Dimmable

As standard, the RackBay offers DALI-2 or 0-10V dimming technology, providing flexibility of control.



DALI-2, 0-10V

IP20 & IK07

High impact resistance ensures that accidental collisions will not adversely effect the performance of the product. Combine this with IP20 resistance, meaning a great choice for warehouse racking areas.



Easy installation

Designed to be as easy as possible to install and maintain.

Lightweight

With its unique and skilful design, the RackBay is extremely lightweight, allowing easy installation and maintenance whilst providing high lumen output.

Aisle spaces

110x55 lens optics provide a rectangular light distribution that is ideal for mounting between 3m and 14m heights.

Compact

Small in size, so it can be installed by an individual.

Motion sensors

Save time on the installation ultimately savings costs on installation.

Quick tool-less connection

Tool-less, plug-in and twist sensors make installation quick & easy for you to adopt lighting control, even interchange your sensors should your floorspace be re-configured.

Product code : HBPIR

PIR with daylight switch



Product code : HBPIRDLD

PIR with daylight harvest sensor

Product code : HBMWS

Microwave with daylight switch



Emergency bolt-on

The emergency bolt-on are available for aisles, corridors and open areas.

Up to 10m high

Install as high as 10m high.

Quick attachment

Fast 4 minute conversion time.

Easy attachment

M20 interface for easy installation.



EMBOLTMTRACK



EMBOLT...

Mounting heights

Use the diagram below to choose your ideal Rack bay, or for a consultation on your requirements, contact our expert team today.



High Bays

Area Bay

Designed to perform, built to last & connected to save energy.

Best practice for energy & cost savings

Save energy & money on your project by following these 3 easy steps, and make savings like the example below.

1

Quality optics

Light the space using less fittings with our unique lens optic, designed to direct the light where it is needed.

Efficient lighting design

2

Motion detection

Use our **HBPIR** or **HBMWS** motion sensor to ensure your light is only on when a person is detected.

Save up to 60%

3

Daylight detection

Enable daylight switching, or if your zone is automated, daylight harvesting, to ensure your electric light works in sync with the natural light within the space.

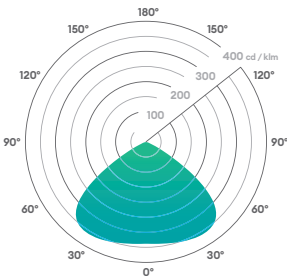
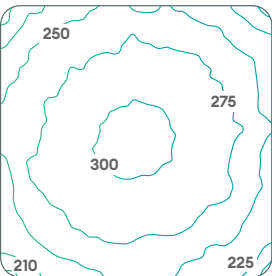
Save up to an additional 22%

Energy rate £/kWh: £0.37	Existing fitting	1 Collingwood fitting	2 Collingwood fitting with motion sensor	3 Collingwood fitting with motion sensor and daylight detection
Average lamp life	12,000 hours	54,000 hours	54,000 hours	54,000 hours
Quantity of fittings	100	100	100	100
Watts per fitting	400W	150W	150W	150W
Energy £/Year	£106,649	£48,922	£19,569	£8,806
Energy savings £/Year	-	£57,727	£87,080	£97,843
Energy savings over 5 years	-	£288,635	£435,400	£489,215

Area Bay high bay (with lens optic)

To light a space efficiently, a luminaire optic must be designed to direct the light to where it is needed. Our unique lens optic changes the light distribution to create the perfect wide beam application.

Less fittings required providing energy and cost savings



Motion sensors - Quick & easy installation

Save time on the installation ultimately savings costs on installation.

Quick tool-less connection

Tool-less, plug-in and twist sensors make installation quick & easy for you to adopt lighting control, even interchange your sensors should your floorspace be re-configured.



Takes under
3 seconds



Installation is
Tool-less

Simple & easy remote

Commission your Area Bay from the floor.

Hold Time: how long the light stays on after movement is no longer detected

Stand-by Dimming: what level the light should dim to after movement is no longer detected

Stand-by Period: how long after no movement is detected, does the luminaire wait until switching off

Detection Range: enables you to adjust the sensitivity of sensor

Daylight Threshold: set to only switch the light on when the natural light in the space is insufficient for the task



PIR Vs Microwave sensors

It's important to know when to choose between a PIR sensor and a Microwave sensor.

PIR sensor

Ideal for use in aisles.

Perfect for avoiding nuisance triggering in areas that may have vibrations.

Product code : HBPIR
with daylight switch

Product code : HBPIRDLD
PIR with daylight harvest sensor



Microwave sensor

Ideal for use in open areas.

Perfect for areas that need to trigger when the sensor is not in a direct line of sight.

Product code : HBMWS
with daylight switch



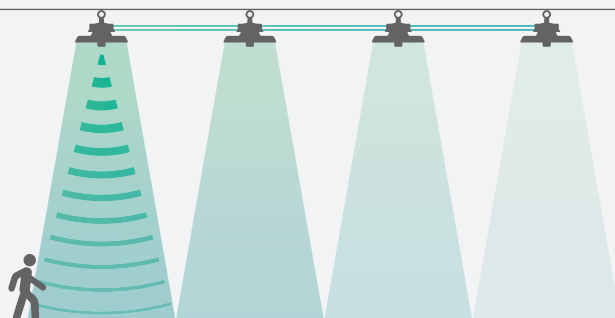
Individual Control

Each high bay has its own sensor, which can be mounted up to a recommended height of 13m. Maximise your energy savings by only switching **on** the light you are working under.



Group control

Each high bay is connected using a 0-10V control line. Avoid complete darkness and create safety by maintaining a low level of light when no-one is present.



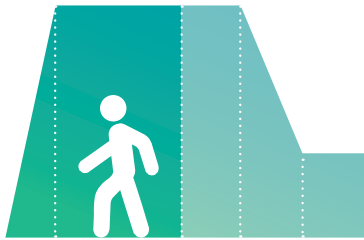
High Bays

Area Bay

Designed to perform, built to last & connected to save energy.

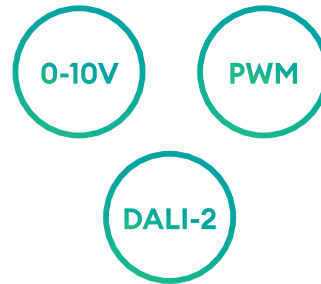
Step-Dim

Our sensor can signal the light to switch **off** when no motion is detected, or DIM down to a low level to avoid complete darkness and help safety.



Dimming options

A choice of three dimming options are available, 0-10V, PWM and DALI-2.



Warranty

Long warranty for piece of mind.



5 year guarantee



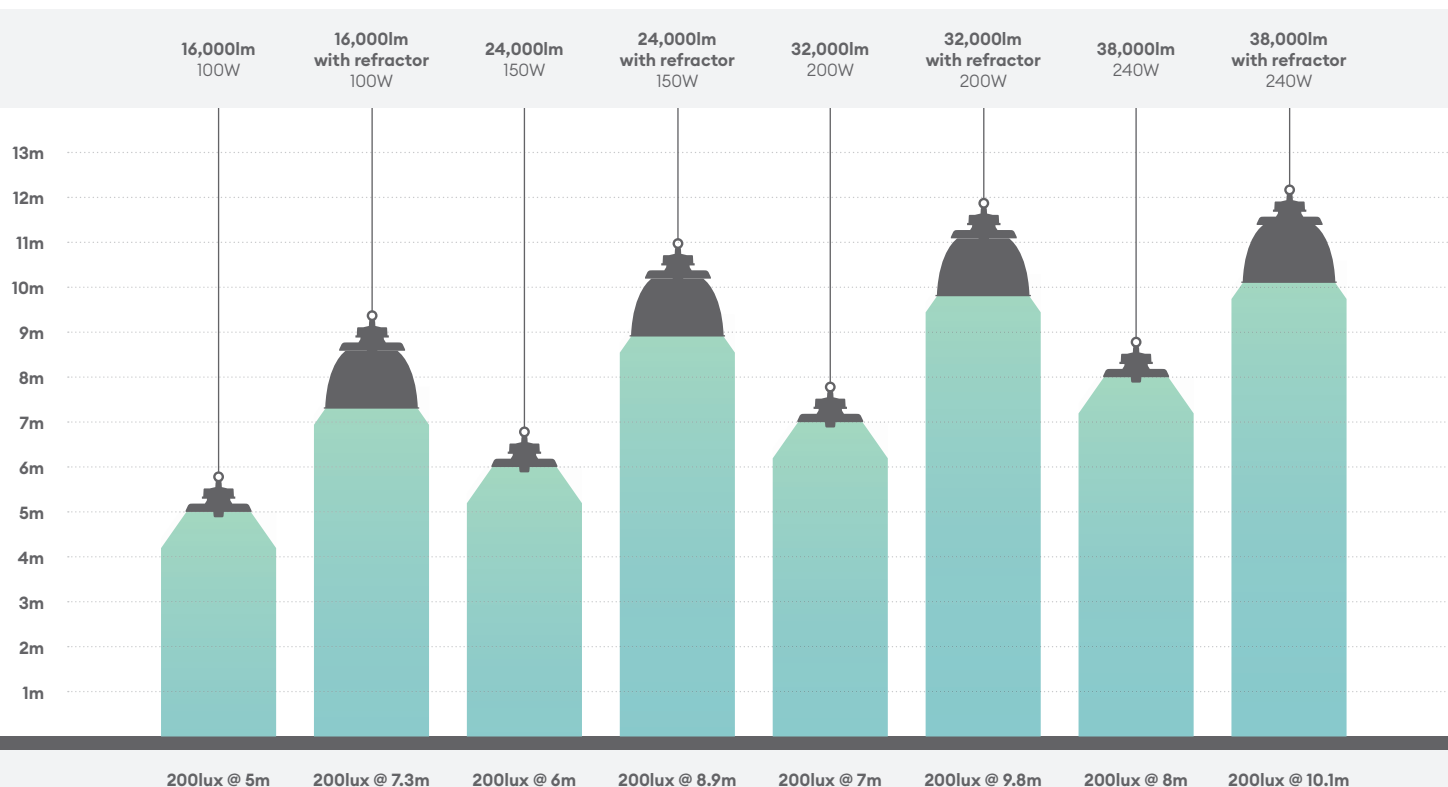
2 year on-site warranty

Design guide

Use the diagram below to choose your ideal high bay, or for a consultation on your requirements, contact our expert team today. The designers inside The Studio at Collingwood are able to offer expertise throughout the lighting design process, putting together full schemes based around our comprehensive product range. Detailed client consultation ensures a high quality and tailored service.

Area Bay - Open goods storage

Use the below for open goods storage areas (200lux is ideal).





Refractor accessories

Boost your light distribution by 20% with a decorative refractor. Reduces glare to <UGR22.



HBA12REFR
For 100W - 150W product



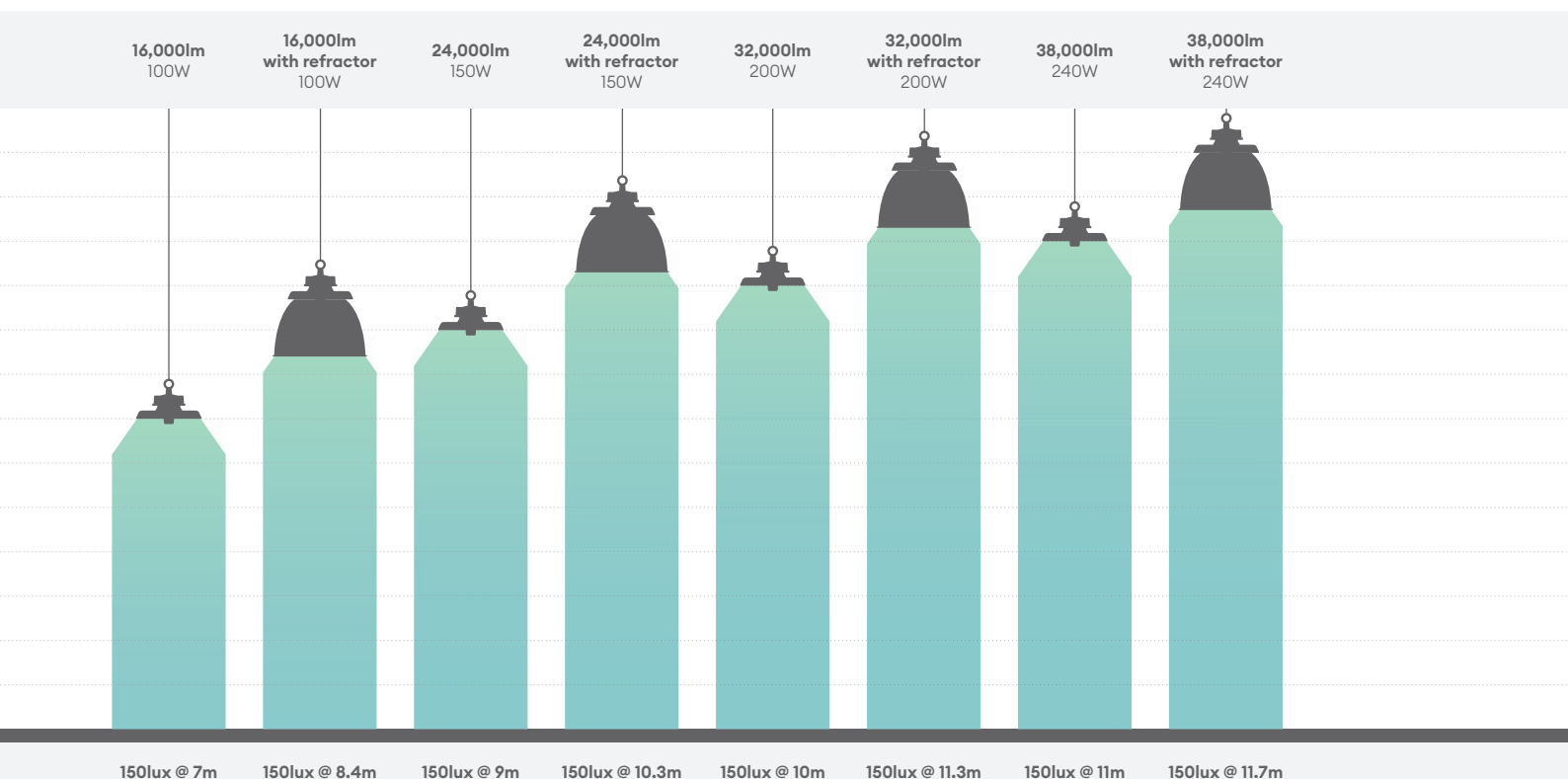
HBA3REFR
For 200W product



HBA4REFR
For 240W product

Area Bay - Rack storage floor

Use the below for rack storage floors (150lux is ideal).



High Bays

GenBay

Economical high bay for fast return on investment

Energy savings

Payback as quick as 2 months

Provide slightly more light, whilst using much less power, resulting in excellent cost savings and quick payback.

GenBay	Replaces old HIT / HSE fittings	Replaces T5 fitting	Energy savings
200W	400W	2 x 80W	Saving up to 46%
150W	250W	4 x 49W	Saving up to 54%
100W	150W	2 x 80W	Saving up to 43%

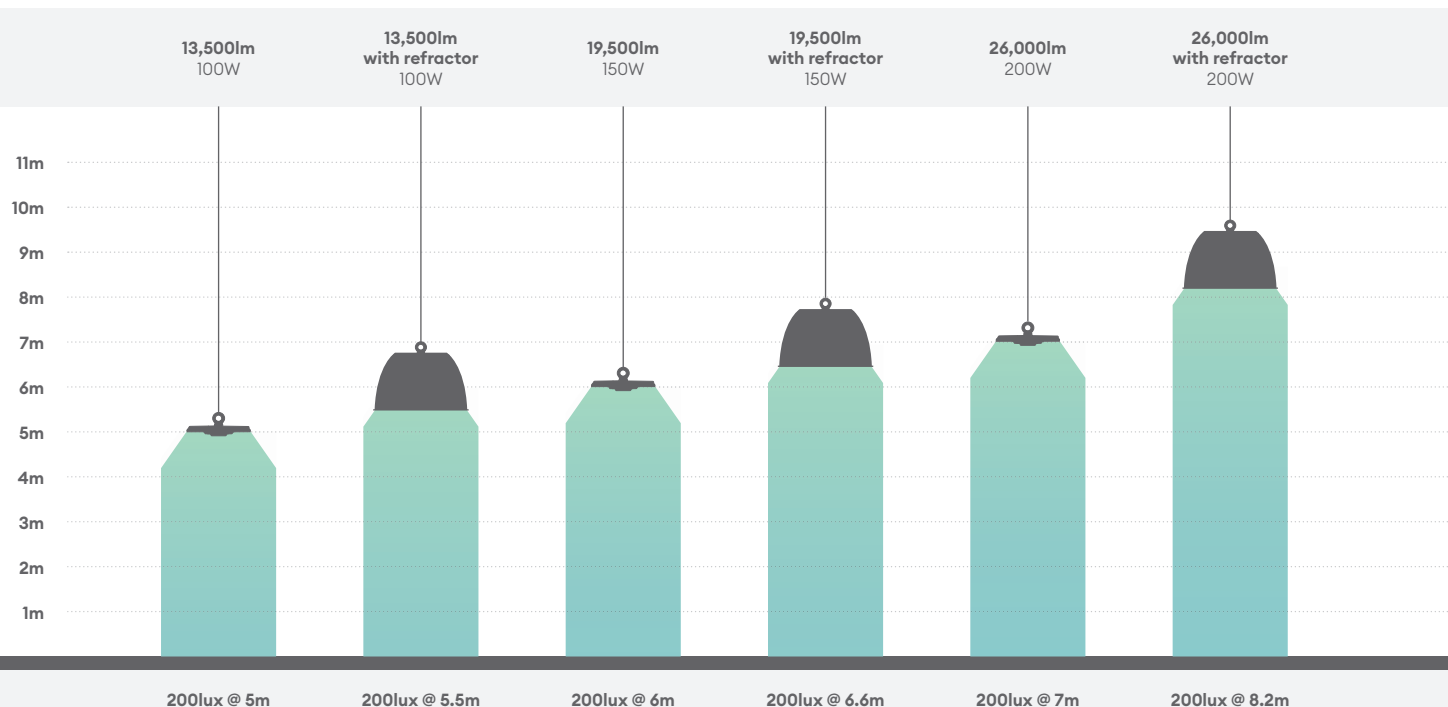
Adding lighting control can save up to 82% of your existing energy usage.

Design guide

Use the diagram below to choose your ideal high bay, or for a consultation on your requirements, contact our expert team today. The designers inside The Studio at Collingwood are able to offer expertise throughout the lighting design process, putting together full schemes based around our comprehensive product range. Detailed client consultation ensures a high quality and tailored service.

GenBay - Open goods storage

Use the diagram below for open goods storage areas (**200lux is ideal**).



Microwave sensors

For up to an additional 82% energy savings

For added control and energy savings use a microwave sensor kit.
Product code : **HBGMWS**

Motion sensor

Only turn your light on when movement is detected.

Daylight switching

On/off control with time delay and daylight switching (8-15 metres max)

Quick & easy installation

Kit includes a junction box for cabling and counter weight for balance.



Emergency Option

The emergency converter is Manual-test and Self-test switchable and can be installed on site.



IP65 & IK08

High impact resistance ensures that accidental collisions will not adversely effect the performance of the product. Combine this with high water and dust resistance and it means that the range of installation environments is vast.



Warranty

Long warranty for piece of mind.



**3 year
guarantee**



**2 year on-site
warranty**

Refractor accessories

Boost your light distribution by 20% with a decorative refractor.
Reduces glare to <UGR22.



HBGREF1015
For 100W product




HBGREF1520
For 150W product




HBGREF1520
For 200W product

High/Low Bays

 **Colour Switchable**
between 3000K
and 4000K

 **Wattage**
Switchable from
60W to 240W

 **High efficacy of**
150lm/W

Guarantee

Warranty: 5 years Battery Warranty:
5 years On-Site Warranty: 2 years

Features & benefits

110x55° beam angle optimised to
light racking aisles

IK07 for high protection against
impact

Choice of PIR, microwave and
daylight control options saves
energy and takes just seconds to fit

Mounting options for jack chain
suspension, M10 or M20 fixing to
busbar and surface mount

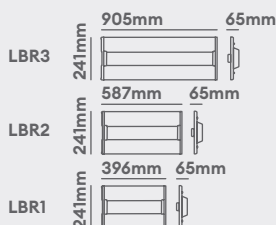
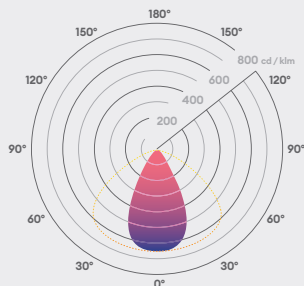
Compact and lightweight, our
product can be held in one hand
and installed by a single person

Quick access to LiFePO4
battery compartment for simple
replacement

Removeable driver for easy
maintenance

For emergency version use Bolt-on
converter's

Beam angle: 110x55°



RackBay CSP 0-10V

Colour & wattage switchable low/high bay suitable for mounting between 3 and 14 metres high




Features

IK rating	IK07
IP rating	IP20
CSP switchable	Switchable CCT
Sensor option	Yes - with accessory
Dimmable option	Yes (0-10V)
Input	220-240V AC Surge Protection 6KV
LED lifetime	L70 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
Emergency option	Yes, using converter

Installation information

Install connector type	Flying lead
Inrush current	60-80-100W: 100A 220uS; 160-180-200: 100A 316uS; 200-220-240W 100A 316uS
Construction material	Aluminium / PC
Weight	LBR1: 2.05Kg, LBR2: 2.7Kg, LBR3: 3.36Kg
Maximum ambient temperature	-30°C - 50°C
Building regulations	Part P & L
Mounting options	Ceiling & suspended
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	Beam angle	lm	lm/W	Energy
LBR1V	0-10V Dimmable	60W	3000K	110x55°	8700	145	
			4000K	110x55°	9000	150	
		80W	3000K	110x55°	11600	145	
			4000K	110x55°	12000	150	
		100W	3000K	110x55°	14500	145	
			4000K	110x55°	15000	150	
LBR2V	0-10V Dimmable	160W	3000K	110x55°	22400	145	
			4000K	110x55°	24000	150	
		180W	3000K	110x55°	25200	145	
			4000K	110x55°	27000	150	
		200W	3000K	110x55°	28000	145	
			4000K	110x55°	30000	150	
LBR3V	0-10V Dimmable	200W	3000K	110x55°	28000	145	
			4000K	110x55°	30000	150	
		220W	3000K	110x55°	30800	145	
			4000K	110x55°	33000	150	
		240W	3000K	110x55°	33600	145	
			4000K	110x55°	36000	150	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Pre-wired 3-Core 1m flying mains cable
Type of wiring required	Parallel

Accessories

LB2XSUSH	Suspension hooks for jack chain	Included
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RackBay CSP DALI-2

Coming Soon

Colour & wattage switchable low/high bay suitable for mounting between 3 and 14 metres high

Features

IK rating	IK07
IP rating	IP20
CSP switchable	Switchable CCT
Sensor option	Yes - with accessory
Dimmable option	Yes (0-10V)
Input	220-240V AC Surge Protection 6KV
LED lifetime	L70 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
Emergency option	Yes, using converter

Installation information

Install connector type	Flying lead
Inrush current	60-80-100W: 100A 220uS; 160-180-200: 100A 316uS; 200-220-240W 100A 316uS
Construction material	Aluminium / PC
Weight	LBR1: 2.05Kg, LBR2: 2.7Kg, LBR3: 3.36Kg
Maximum ambient temperature	-30°C - 50°C
Building regulations	Part P & L
Mounting options	Ceiling & suspended
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	∠°	lm	Llm/W	Energy
LBR1D	DALI-2	100W	3000K	110x55°	14500	145	
			4000K	110x55°	15000	150	
LBR2D	DALI-2	200W	3000K	110x55°	28000	145	
			4000K	110x55°	30000	150	
LBR3D	DALI-2	240W	3000K	110x55°	33600	145	
			4000K	110x55°	36000	150	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Pre-wired 6-Core 1m flying mains cable
Type of wiring required	Parallel

Accessories

LB2XSUSH	Suspension hooks for jack chain	Included
LB2XBRKT	M20 Busbar mounting brackets	Sold Separately 199
HBROD	M20 Rod Mount Kit	Sold Separately 205
EMBOLTMCRACK	M20 Emergency Converter 8-12 metres	Sold Separately 199
EMBOLTMOPEN	M20 Emergency Converter 3-6 metres	Sold Separately 199
HBPIRDL	PIR + Daylight Dimming/Harvest Sensor	Sold Separately 198
UNREMOTEMWS	Remote control for use with microwave sensor	Sold Separately 57

High/Low Bays

Colour Switchable between 3000K and 4000K

Wattage Switchable from 60W to 240W

High efficacy of 150lm/W

Guarantee

Warranty: 5 years Battery Warranty: 5 years On-Site Warranty: 2 years

Features & benefits

110x55° beam angle optimised to light racking aisles

IK07 for high protection against impact

Choice of PIR, microwave and daylight control options saves energy and takes just seconds to fit

Mounting options for jack chain suspension, M10 or M20 fixing to busbar and surface mount

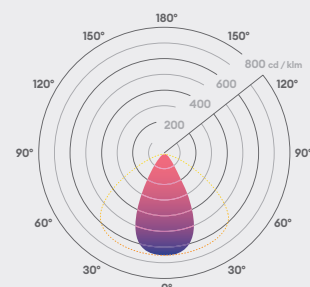
Compact and lightweight, our product can be held in one hand and installed by a single person

Quick access to LiFePO4 battery compartment for simple replacement

Removeable driver for easy maintenance

For emergency version use Bolt-on converter's

Beam angle: 110x55°












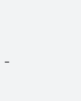
LBR3	241mm	905mm	65mm
LBR2	241mm	587mm	65mm
LBR1	241mm	396mm	65mm

RackBay accessories

Make your RackBay perfect for your installation

Optional lenses, PIR sensors and emergency accessories combine excellence and unrivalled cost savings. The lenses offer symmetric and asymmetric options.

Use the tables below to choose the perfect accessory for your RackBay

	HBPIR	HBPIRDLD	HBDLS	HBMWS	UNRE MOTEMWS (sensor remote)
Accessory on its own					
Accessory on product					

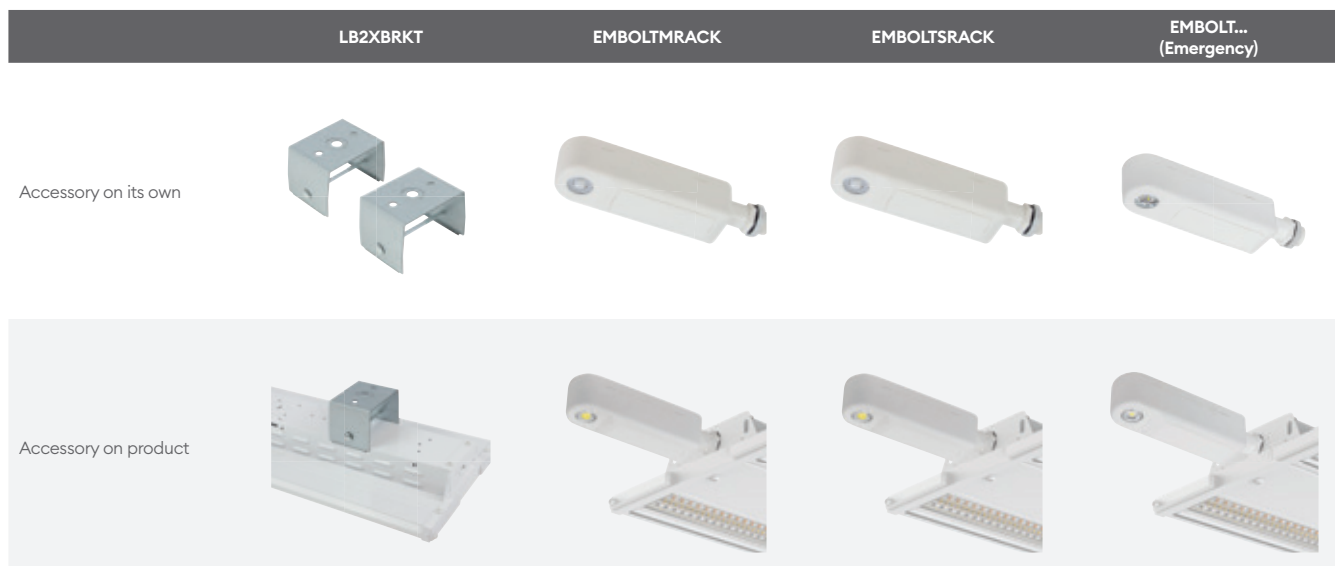
Product codes

Product Code	Description	Guarantee
HBPIR	Passive infra-red (PIR) motion sensor with daylight threshold switch (Max. recommended mounting height is 13 metres)	5 years
HBPIRDLD	Passive infra-red motion sensor with daylight harvesting photocell	5 years
HBDLS	Daylight harvesting sensor with photocell (Max. recommended mounting height is 13 metres)	5 years
HBMWS	Microwave motion sensor with daylight threshold switch (Max. recommended mounting height is 13 metres)	5 years
UNRE MOTEMWS	Remote control for commissioning, compatible with HBPIR, HBDLS and HBMWS	5 years

For full product specification visit collingwoodlighting.com

Compatible with

	Rack Bay 100W Page 196-197	Rack Bay 60W-100W Page 196-197	Rack Bay 200W Page 196-197	Rack Bay 160W-200W Page 196-197	Rack Bay 240W Page 196-197	Rack Bay 200W-240W Page 196-197
HBPIR	●	●	●	●	●	●
HBPIRDLD	●	●	●	●	●	●
HBDLS	●	●	●	●	●	●
HBMWS	●	●	●	●	●	●
UNRE MOTEMWS	Compatible with HBPIR, HBDLS and HBMWS					



Product codes

Product Code	Description	Guarantee
LB2XBRKT	2 x Mounting brackets	5 years
EMBOLTM Rack	3 hour emergency conversion pack, rack optic, manual test	4 years guarantee of the electronics 2 years guarantee of the battery
EMBOLTS Rack	3 hour emergency conversion pack, rack optic, self test	4 years guarantee of the electronics 2 years guarantee of the battery
EMBOLTM COR	3 hour emergency conversion pack, corridor area, manual test	4 years guarantee of the electronics 2 years guarantee of the battery
EMBOLTM OPEN	3 hour emergency conversion pack, open area, manual test	4 years guarantee of the electronics 2 years guarantee of the battery
EMBOLTS COR	3 hour emergency conversion pack, corridor area, self-test	4 years guarantee of the electronics 2 years guarantee of the battery
EMBOLTS OPEN	3 hour emergency conversion pack, open area, self-test	4 years guarantee of the electronics 2 years guarantee of the battery

For full product specification visit collingwoodlighting.com

Compatible with

	Rack Bay 100W Page 196-197	Rack Bay 60W-100W Page 196-197	Rack Bay 200W Page 196-197	Rack Bay 160W-200W Page 196-197	Rack Bay 240W Page 196-197	Rack Bay 200W-240W Page 196-197
LB2XBRKT	●	●	●	●	●	●
EMBOLTM Rack	●	●	●	●	●	●
EMBOLTS Rack	●	●	●	●	●	●
EMBOLTM COR	●	●	●	●	●	●
EMBOLTM OPEN	●	●	●	●	●	●
EMBOLTS COR	●	●	●	●	●	●
EMBOLTS OPEN	●	●	●	●	●	●

High/Low Bays

- 160lm/W** High efficacy of 160lm/W
- Very light weight** for easy installation
- EM!** Emergency option available

Guarantee

Warranty: 5 years Battery Warranty: 2 years On-Site Warranty: 2 years

Features & benefits

High performance dedicated lens for each LED provides efficient optical control

Choice of PIR, microwave, daylight and wireless control options saves energy and takes just seconds to fit, just plug-in to the centre of the high bay

Compact and lightweight, our product can be held in one hand and installed by a single person

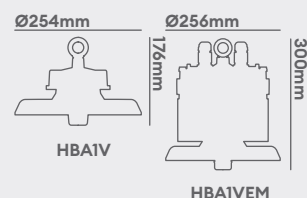
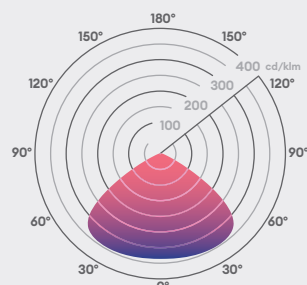
Quick access to LiFePO4 battery compartment for simple replacement

Removeable driver for easy maintenance

Impact and corrosion resistant aluminium housing which is 100% recyclable

Pre-wired with 1.5m H05RN-F 3x1.0mm² Ø7mm

Beam angle: 110°



Area Bay 16,000lm

100W High bay luminaire (Replaces 2x80W T5)

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Sensor option	PIR, Microwave & Daylight with accessories
Dimmable option	Yes (0-10V, PWM and DALI-2)
Input	220-240V AC Surge Protection 6KV
LED lifetime	L80 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
Emergency option	Yes, Manual-Test

Installation information

Install connector type	Flying lead
Inrush current	100A 0.52ms
Construction material	ADC12 ALU alloy, PC front lens, SS304 Eyelet.
Weight	2.00kg
Maximum ambient temperature	-40°C - +50°C
Building regulations	Part P
Mounting options	Jack Chain, Surface Bracket or Rod Mount
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	Finish	W	CCT	Beam angle	Im	lm/W	EM	Energy
HBA1D	DALI-2	Matt black RAL9017	100W	4000K	110°	16000	160	-	
HBA1V	Standard	Matt black RAL9017	100W	4000K	110°	16000	160	-	
HBA1VEM	Emergency	Matt black RAL9017	100W	4000K	110°	16000	160	650	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	1.5m H05RN-F 3x1.0mm ² Ø7mm
Type of wiring required	Parallel

Accessories

HBPIRDLD	Area Bay PIR + Daylight Harvest Sensor	Sold Separately	198, 204
HBPIR	Area Bay PIR/Daylight Sensor	Sold Separately	198, 204
HBMWS	Area Bay Microwave/Daylight Sensor	Sold Separately	198, 204
HBDLS	Area Bay Daylight Sensor	Sold Separately	198, 204
UNREMOTEMWS	Remote control for use with microwave sensor	Sold Separately	205



Area Bay 24,000lm

150W High bay luminaire (Replaces 250W or 4X49W T5)

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Sensor option	PIR, Microwave & Daylight with accessories
Dimmable option	Yes (0-10V, PWM and DALI-2)
Input	220-240V AC Surge Protection 6KV
LED lifetime	L80 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
Emergency option	Yes, Manual-Test

Installation information

Install connector type	Flying lead
Inrush current	130A 0.63ms
Construction material	ADC12 ALU alloy, PC front lens, SS304 Eyelet.
Weight	2.28kg
Maximum ambient temperature	-40°C - +50°C
Building regulations	Part P
Mounting options	Jack Chain, Surface Bracket or Rod Mount
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	Finish	W	CCT	Beam angle	Im	lm/W	EM	Energy
HBA2D	DALI-2	Matt black RAL9017	150W	4000K	110°	24000	160	-	A++ C
HBA2V	Standard	Matt black RAL9017	150W	4000K	110°	24000	160	-	A++ C
HBA2VEM	Emergency	Matt black RAL9017	150W	4000K	110°	24000	160	650	A++ C

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	1.5m H05RN-F 3x1.0mm ² Ø7mm
Type of wiring required	Parallel

Accessories

HBPIRDL	Area Bay PIR + Daylight Harvest Sensor	Sold Separately	198, 204
HBPIR	Area Bay PIR/Daylight Sensor	Sold Separately	198, 204
HBMWS	Area Bay Microwave/Daylight Sensor	Sold Separately	198, 204
HBDLS	Area Bay Daylight Sensor	Sold Separately	198, 204
UNREMOTEMWS	Remote control for use with microwave sensor	Sold Separately	205

High/Low Bays



High efficacy of 160lm/W



Very light weight for easy installation



Emergency option available

Guarantee

Warranty: 5 years Battery Warranty: 2 years On-Site Warranty: 2 years

Features & benefits

High performance dedicated lens for each LED provides efficient optical control

Choice of PIR, microwave, daylight and wireless control options saves energy and takes just seconds to fit, just plug-in to the centre of the high bay

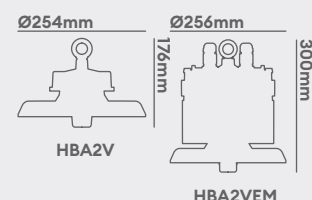
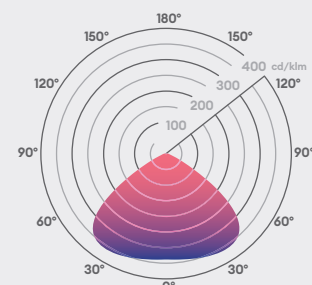
Compact and lightweight, our product can be held in one hand and installed by a single person

Quick access to LiFePO4 battery compartment for simple replacement

Removeable driver for easy maintenance

Impact and corrosion resistant aluminium housing which is 100% recyclable

Beam angle: 110°



High/Low Bays



High efficacy of
160lm/W



Very light weight
for easy installation



Emergency option
available

Guarantee

Warranty: 5 years Battery Warranty:
2 years On-Site Warranty: 2 years

Features & benefits

High performance dedicated lens
for each LED provides efficient
optical control

Choice of PIR, microwave, daylight
and wireless control options saves
energy and takes just seconds to
fit, just plug-in to the centre of the
high bay

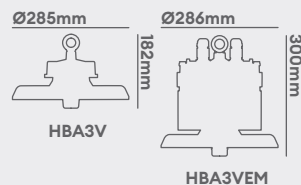
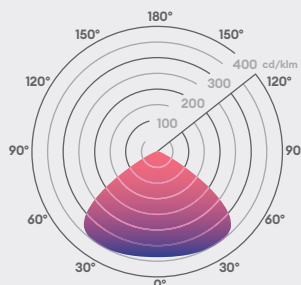
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aluminium housing which is 100%
recyclable

Beam angle: 110°



Area Bay 32,000lm

200W High bay luminaire (Replaces 400W or 4x80W T5)

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Sensor option	PIR, Microwave & Daylight with accessories
Dimmable option	Yes (0-10V, PWM and DALI-2)
Input	220-240V AC Surge Protection 6KV
LED lifetime	L80 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
Emergency option	Yes, Manual-Test

Installation information

Install connector type	Flying lead
Inrush current	130A 0.63ms
Construction material	ADC12 ALU alloy, PC front lens, SS304 Eyelet.
Weight	2.00kg
Maximum ambient temperature	-40°C - +50°C
Building regulations	Part P
Mounting options	Jack Chain, Surface Bracket or Rod Mount
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	Finish	W	CCT	Beam angle	Im	lm/W	EM	Energy
HBA3D	DALI-2	Matt black RAL9017	200W	4000K	110°	32000	160	-	A C
HBA3V	Standard	Matt black RAL9017	200W	4000K	110°	32000	160	-	A C
HBA3VEM	Emergency	Matt black RAL9017	200W	4000K	110°	32000	160	650	A C

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	1.5m H05RN-F 3x1.0mm ² Ø7mm
Type of wiring required	Parallel

Accessories

HBPIRDL	Area Bay PIR + Daylight Harvest Sensor	Sold Separately	198, 204
HBPIR	Area Bay PIR/Daylight Sensor	Sold Separately	198, 204
HBMWS	Area Bay Microwave/Daylight Sensor	Sold Separately	198, 204
HBDLS	Area Bay Daylight Sensor	Sold Separately	198, 204
UNREMOTEMWS	Remote control for use with microwave sensor	Sold Separately	205



Area Bay 38,000lm

240W High bay luminaire

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Sensor option	PIR, Microwave & Daylight with accessories
Dimmable option	Yes (0-10V, PWM and DALI-2)
Input	220-240V AC Surge Protection 6KV
LED lifetime	L80 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
Emergency option	Yes, Manual-Test

Installation information

Install connector type	Flying lead
Inrush current	130A 0.52ms
Construction material	ADC12 ALU alloy, PC front lens, SS304 Eyelet.
Weight	2.28kg
Maximum ambient temperature	-40°C - +50°C
Building regulations	Part P
Mounting options	Jack Chain, Surface Bracket or Rod Mount
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	Finish	W	CCT	Beam angle	Im	lm/W	EM	Energy
HBA4D	DALI-2	Matt black RAL9017	240W	4000K	110°	38400	160	-	A++ C
HBA4V	Standard	Matt black RAL9017	240W	4000K	110°	38400	160	-	A++ C
HBA4VEM	Emergency	Matt black RAL9017	240W	4000K	110°	38400	160	650	A++ C

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	1.5m H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

Accessories

HBPIRDL	Area Bay PIR + Daylight Harvest Sensor	Sold Separately	198, 204
HBPIR	Area Bay PIR/Daylight Sensor	Sold Separately	198, 204
HBMWS	Area Bay Microwave/Daylight Sensor	Sold Separately	198, 204
HBDLS	Area Bay Daylight Sensor	Sold Separately	198, 204
UNREMOTEMWS	Remote control for use with microwave sensor	Sold Separately	205

High/Low Bays



High efficacy of 160lm/W



Very light weight for easy installation



Emergency option available

Guarantee

Warranty: 5 years Battery Warranty: 2 years On-Site Warranty: 2 years

Features & benefits

High performance dedicated lens for each LED provides efficient optical control

Choice of PIR, microwave, daylight and wireless control options saves energy and takes just seconds to fit, just plug-in to the centre of the high bay

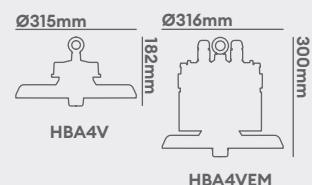
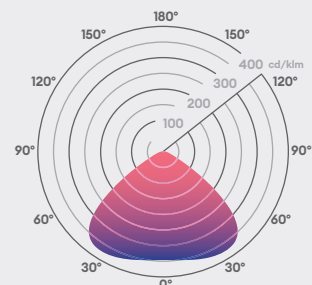
Compact and lightweight, our product can be held in one hand and installed by a single person

Quick access to LiFePO4 battery compartment for simple replacement

Removeable driver for easy maintenance

Impact and corrosion resistant aluminium housing which is 100% recyclable

Beam angle: 110°

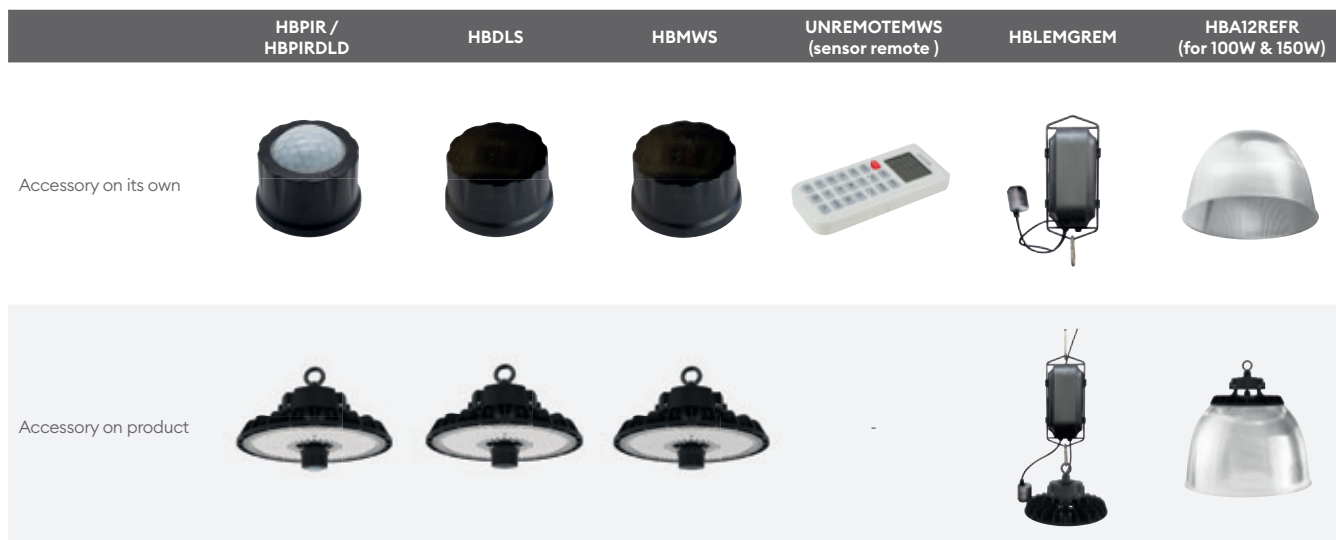


Area bay accessories

Make your area bay perfect for your installation

Optional microwave sensors, refractors, brackets and remote control accessories combine excellence and unrivalled cost savings.

Use the tables below to choose the perfect accessory



Product codes

Product Code	Description	Guarantee
HBPIR	Passive infra-red (PIR) motion sensor with daylight threshold switch (Max. recommended mounting height is 13 metres)	5 years
HBPIRDLD	Passive infra-red motion sensor with daylight harvesting photocell	5 years
HBDLS	Daylight harvesting sensor with photocell (Max. recommended mounting height is 13 metres)	5 years
HBMWS	Microwave motion sensor with daylight threshold switch (Max. recommended mounting height is 13 metres)	5 years
UNREMOTEMWS	Remote control for commissioning, compatible with HBPIR , HBDLS and HBMWS	5 years
HBLEMGREM	High Bay, 6W 1000lm, Emergency Conversion Pack	5 years
HBA12REFR	80° prismatic refractor for intensifying light beam	5 years

For full product specification visit collingwoodlighting.com

Compatible with

	Area Bay 100W Page 200	Area Bay 100W Emergency Page 200	Area Bay 150W Page 201	Area Bay 150W Emergency Page 201	Area Bay 200W Page 202	Area Bay 200W Emergency Page 202	Area Bay 240W Page 203	Area Bay 240W Emergency Page 203
HBPIR	●	●	●	●	●	●	●	●
HBPIRDLD	●	●	●	●	●	●	●	●
HBDLS	●	●	●	●	●	●	●	●
HBMWS	●	●	●	●	●	●	●	●
HBLEMGREM	●		●		●		●	
HBA12REFR	●	●	●	●				
UNREMOTEMWS	Compatible with HBPIR , HBDLS and HBMWS							



Product codes

Product Code	Description	Guarantee
HBA3REFR	80° prismatic refractor for intensifying light beam	5 years
HBA4REFR	80° prismatic refractor for intensifying light beam	5 years
HBROD	HB Rod Mount 1.5M Kit (M20 thread for fixing)	5 years
HBBRA	HB Bracket Mount for Standard Luminaire	5 years
HBBRAEXT	HB Extended Bracket Mount for Standard Luminaire	5 years
HBBRAEM	HB Bracket Mount for Emergency Luminaire	5 years

For full product specification visit collingwoodlighting.com

Compatible with

	Area Bay 100W Page 200	Area Bay 100W Emergency Page 200	Area Bay 150W Page 201	Area Bay 150W Emergency Page 201	Area Bay 200W Page 202	Area Bay 200W Emergency Page 202	Area Bay 240W Page 203	Area Bay 240W Emergency Page 203
HBA3REFR					●	●		
HBA4REFR							●	●
HBROD	●	●	●	●	●	●	●	●
HBBRA	●		●		●		●	
HBBRAEXT	●		●		●		●	
HBBRAEM		●		●		●		●

High/Low Bays



High efficacy of
135lm/W



Sensor kit includes
junction box and
counter weight



Emergency option
available

Guarantee

Warranty: 3 years Battery Warranty:
3 years On-Site Warranty: 2 years

Features & benefits

Economical high bay for fast return
on investment

Easy to add microwave sensor kit
includes junction box and counter
weight

On/off control with time delay and
daylight switching (8-15 metres
max)

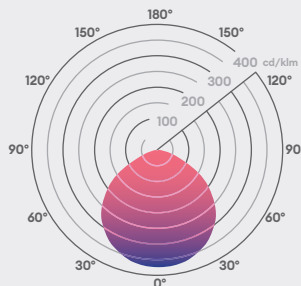
Ultra slim and light weight highbay
for easy handling

Pre-wired with 1.0m H05RN-F
3x1.0mm² Ø7mm

Suitable for jack chain, M10 drop
rod or catenary wire suspension

IK08 for robust impact protection

Beam angle: 110°



Ø240mm



HBG1N40

Ø285mm

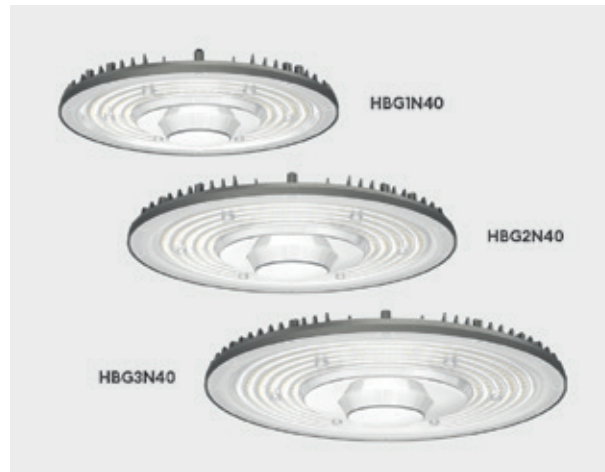


HBG2N40

Ø315mm



HBG3N40



GenBay

Ultra-slim and lightweight highbay for lighting general applications

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Sensor option	On-Off Microwave sensor & daylight switching available
Dimmable option	No
Input	220-240V AC Surge Protection 6KV
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, using converter

Installation information

Install connector type	Flying lead
Inrush current	10A 100us
Construction material	Aluminium ADC12
Weight	0.82 - 1.12 - 1.5kg
Maximum ambient temperature	-30°C - 40°C
Building regulations	Part P & L
Mounting options	Jack Chain or Rod Mount
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	Finish	W	CCT	△°	lm	lm/W	Energy
HBG1N40	On-Off	Grey	100W	4000K	110°	13500	135	
HBG2N40	On-Off	Grey	150W	4000K	110°	19500	130	
HBG3N40	On-Off	Grey	200W	4000K	110°	26000	130	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Pre-wired with 1.0m H05RN-F 3x1.0mm ² Ø7mm
Type of wiring required	Parallel

Accessories









HBGMWS	Microwave sensor kit inc junction box and counterweight	Sold Separately	207
HGBREF1015	UGR22 Refractor for 100/150W	Sold Separately	207
HGBREF1520	UGR22 Refractor for 150/200W	Sold Separately	207
HBGEMC1MS	Emergency conversion kit	Sold Separately	207

GenBay accessories

Make your GenBay perfect for your installation

Optional microwave sensor, refractors, and emergency accessories.

Use the tables below to choose the perfect accessory

	HBGMWS	HBGREF1015	HBGREF1520	HBGEMC1MS
Accessory on its own				
Accessory on product				

Product codes

Product Code	Description	Guarantee
HBGMWS	Microwave sensor kit for GenBay High Bay	5 years
HBGREF1015	UGR22 Refractor for GenBay 100W	5 years
HBGREF1520	UGR22 Refractor for GenBay 150/200W	5 years
HBGEMC1MS	Emergency Converter Manual & Self Test	5 years

For full product specification visit collingwoodlighting.com

Compatible with

	GenBay 100W Page 206	GenBay 150W Page 206	GenBay 200W Page 206
HBGMWS	●	●	●
HBGREF1015	●		
HBGREF1520		●	●
HBGEMC1MS	●	●	●

High/Low Bays



High efficacy of
167lm/W



Wattage
Switchable
between 6W & 10W



IP66 suitable for
warehouse all
applications

Guarantee

4 years on electronics, 2 years on
battery

Features & benefits

1500lm output

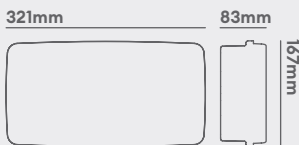
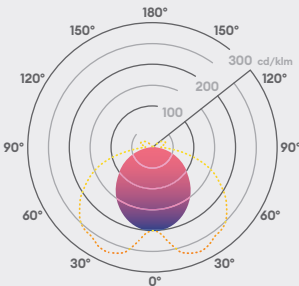
15 metres mounting height,
provides 1 lux (escape route) at floor
level when using 29 metre spacings

25 metres mounting height,
provides 0.5 (anti-panic) lux at floor
level when using 40 metre spacings

Lithium iron phosphate (LiFePO4)
battery technology for long lifetime
and fast charge times

Captive screws for easy installation

Beam angle: 135°



Salvus Max

High output non-maintained emergency bulkhead

Features

Viewing distance	N/A
IK rating	IK08
IP rating	IP66
CSP switchable	Single CCT
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80

Installation information

Install connector type	Push-fit terminal, loop-in/ loop-out
Inrush current	6.8A 0.1ms
Construction material	PC
Weight	1.47kg
Maximum ambient temperature	0°C - 45°C
Mounting options	Ceiling, wall, BESA & conduit M20
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Test method	Maintained	Battery	W	CCT	Beam angle	lm
EMBMAX	Manual-test	Non-Maintained	LiFePO4 6.4V 6.6Ah	6W 10W	6500K	135°	1000-1500
EMBMAXST	Self-test	Non-Maintained	LiFePO4 6.4V 6.6Ah	6W 10W	6500K	135°	1000-1500

Wiring information

Cable / flying lead	0.75-4.0mm ²
Type of wiring required	Parallel

Accessories

Area Bay	Use as remote emergency solution to reduce light points required	Sold Separately	200 - 203
Caiman	Use as remote emergency solution to reduce light points required	Sold Separately	173 - 179
Borealis	Use as remote emergency solution to reduce light points required	Sold Separately	180 - 182

