

Bay XP

Industrial

IP 65

High Output. High IP. High Bay.

Our flagship high output LED High Bay is able to take on almost any environment thanks to its standard IP65 rating and ability (on request) to tackle temperatures of up to 65°C ambient. The Bay XP has a built-in 4kV surge protection and is fully serviceable. (upgradeable with a replaceable 10kV module).



Proudly manufactured in
South Africa using
European LED Technology



kV Protection:
4kV surge
protection



Indoor

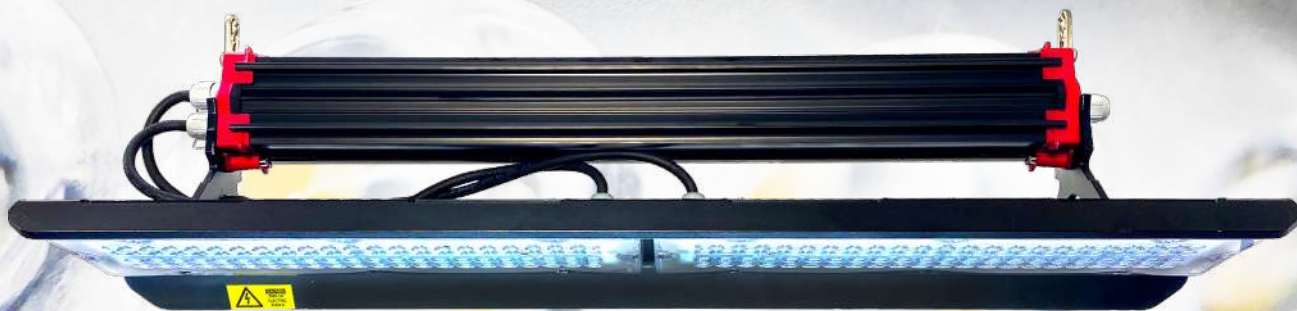


SABS
Approved

energywise

Better light
through research.

Our Highbay flagship.



A Highbay of the Highest Standards.

This heavyweight highbay is designed to tackle the toughest industrial conditions with ease. Packing a serious lumen punch and 4 different optics at its disposal the BAY XP is able to offer precision lighting from heights that would give other highbays vertigo.

Manufactured with a solid aluminum heatsink for superior heat dissipation, impact-rated lenses and water and dust ingress protection, this luminaire was built for environments that have 'challenging' as their middle name. And thanks to some refined engineering, this workhorse can be fine-tuned on request to go where other luminaires fear to tread and tackle ambient temperatures of up to 65°C (on request).

From sweltering factories to industrial cold rooms & everything between the XP is the benchmark in highbay lighting. It comes in a range of sizes to best suit your output requirements and offers our highest lumen packages on offer. This versatile powerhouse is the highbay you never knew you always wanted....and more.

KEY FEATURES

MODULAR

- The fitting can reach a max lumen package of 36340lm, however, with our patented pairing bracket, we can bank as many fittings alongside each other as needed. In so doing your lumen package potential becomes almost exponential.

LENSES

- 4 different optics for countless optic combinations

4 SIZE OPTIONS

- Bay XP 101 (Split)
- Bay XP 102
- Bay XP 103
- Bay XP 104

OPTICS

- Impact rating IK08/5J

TEMPERATURE

- Ambient room temperature -25°C to +40°C. (Up to +65°C on request)

MOUNTING OPTIONS

- P2000 mount, Ceiling mount, Suspended / Pendant



Optional:
Bluetooth, Wifi,
Dali & Bi Level.
Casambi App
featured above.



*25°C is for Textbooks, Not Africa's Sun: All EW Lights are designed for the 35°C Reality.

Specifications

Spec'd for **every** situation.

Our Bay XP can be manufactured to your desired specifications, see the options below.



kV Protection:
4kV surge
protection



5000K standard
3000K, 4000K,
6500K available
CR>80 R9>13



Indoor



Recyclable



Lenses



Modular:
Expandable
system

700 mm

Bay XP 102

Raw Lumen:
Effective Lumen:

10568 lm
8258 lm

15640 lm
12494 lm

22660 lm
18170 lm

240V:
Raw Efficacy:
Effective Efficacy:

56W
189 lm/w
148 lm/w

93W
168 lm/w
134 lm/w

144W
158 lm/w
127 lm/w

Max ambient:
L&B:

65°C
L80 B10
F3 75K hrs

50°C
L80 B10
F3 75K hrs

30°C
L80 B10
F3 75K hrs



1000 mm

Bay XP 103

Raw Lumen:
Effective Lumen:

15852 lm
12387 lm

23460 lm
18741 lm

33990 lm
27255 lm

240V:
Raw Efficacy:
Effective Efficacy:

84W
189 lm/w
148 lm/w

140W
168 lm/w
134 lm/w

215W
158 lm/w
127 lm/w

Max ambient:
L&B:

65°C
L80 B10
F3 75K hrs

50°C
L80 B10
F3 75K hrs

40°C
L80 B10
F3 75K hrs



1350 mm

Bay XP 104

Raw Lumen:
Effective Lumen:

21136 lm
16516 lm

31280 lm
24988 lm

45320 lm
36340 lm

240V:
Raw Efficacy:
Effective Efficacy:

112W
189 lm/w
148 lm/w

186W
168 lm/w
134 lm/w

287W
158 lm/w
127 lm/w

Max ambient:
L&B:

65°C
L80 B10
F3 75K hrs

50°C
L80 B10
F3 75K hrs

40°C
L80 B10
F3 75K hrs



Modularity, one fitting, many pairing options.

The Bay XP can be configured with up to 3 lights to fit the requirements of any space.

Our other modular fittings.



BayXP 202



LED eBay Light industrial diffused low bay

Standard
Height: 10m
IP: 40
Temp: 35°C



Bay XL Factories, Warehouses, Supply rooms etc.

Standard
Height: 20m
IP: 40
Temp: 30°C



1 x 102 18 170 lm
1 x 103 27 255 lm
1 x 104 36 340 lm



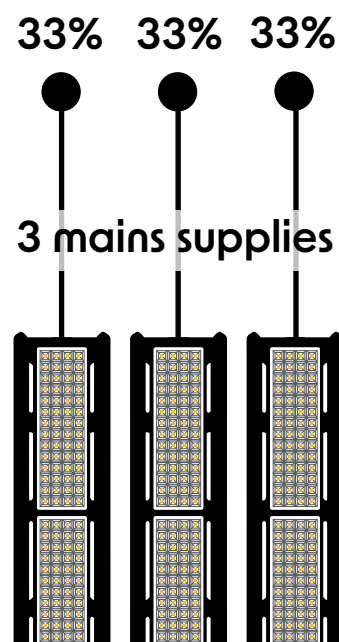
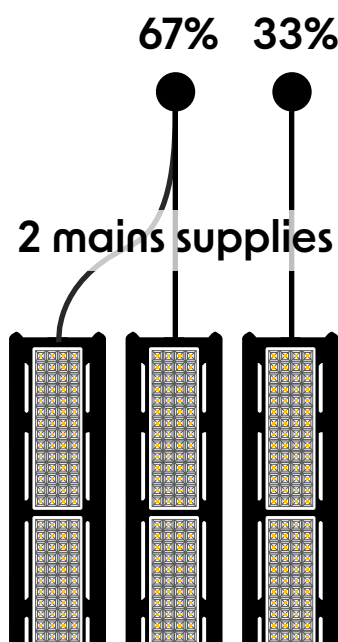
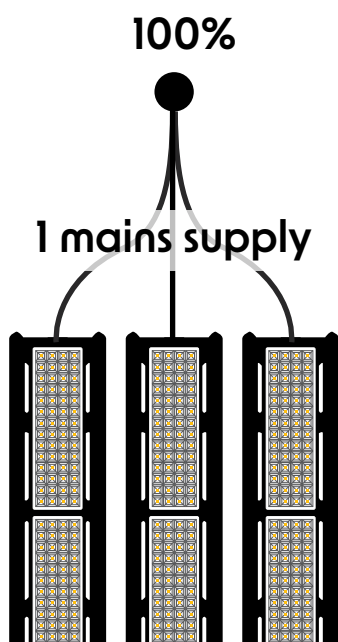
2 x 102 36 340 lm
2 x 103 54 510 lm
2 x 104 72 680 lm



3 x 102 54 510 lm
3 x 103 81 765 lm
3 x 104 109 020 lm

Suggested wiring options.

The Bay XP can be configured using a step switch system to manage your lights and power.

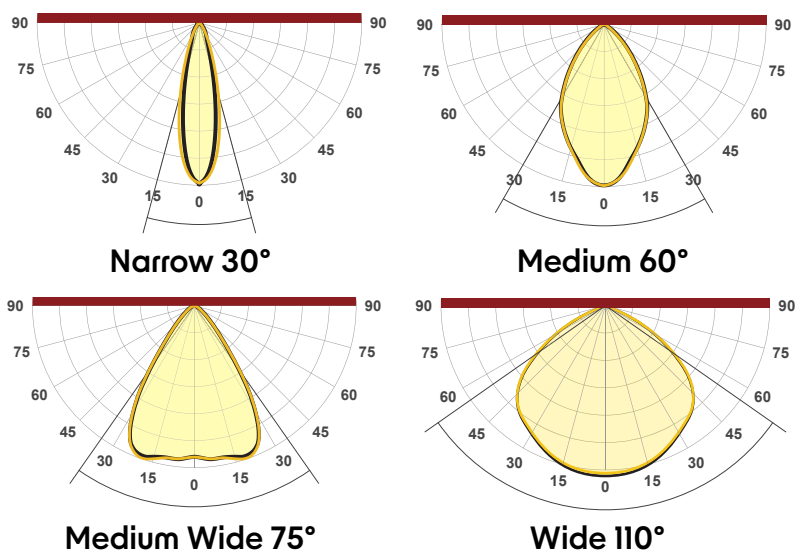


Distribution Options

The light you need, where you want it.

The development of high-quality optical lenses has changed the lighting game. Gone are the days of naked bulbs throwing out in a wide light spray covering everything from the ceiling above to the walls no one needs to see. With today's advancements in lens technology, we are able to put the light where you need it most providing you lux levels where you need it without sacrificing efficiency.

In so doing we can provide solutions for warehouses or shelving, for punching deep through high-racks or throwing wide beams across open spaces. With these technologies, the only time you have dark spots is if you intentionally wanted to.



A Closer Look

Engineered to the highest standards.

Heat-sink

Aluminum heat-sink engineered to keep the LEDs comfortable up to an ambient of 40°C*. This radical design is also easier to clean and has been spec'd for African conditions where upwards of 30 degrees is more the norm than the exception.

Lenses

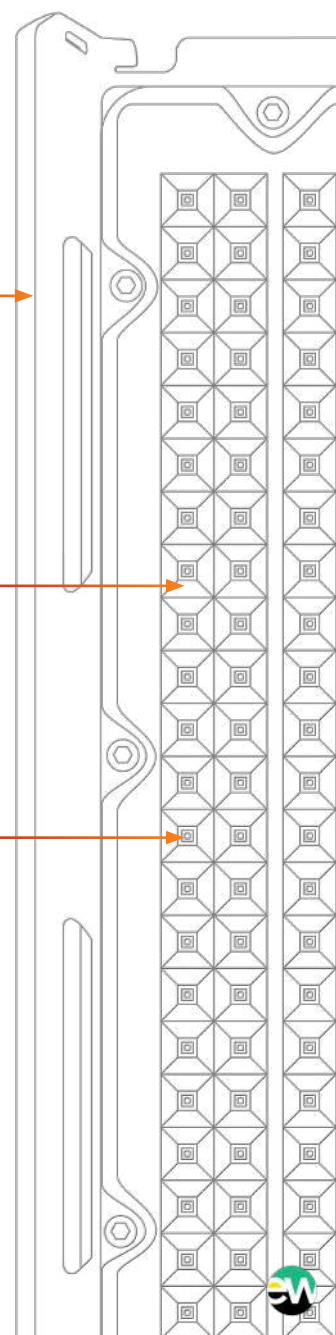
Polycarbonate lenses offer great IK08 impact protection and efficient distribution control. The continuous silicone gasket allows a water-resistant (IP65) assembly.

LEDs

Source from the best component manufacturers in Europe to ensure maximum lifespan, quality and light spectrums.

Finishings

All fasteners are Stainless Steel 316 rust free longevity.



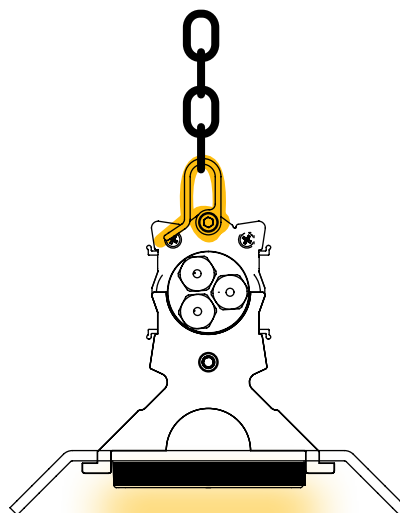
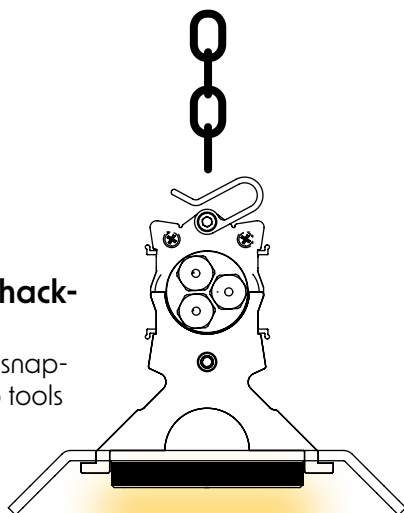
Installation

Easy to install , **Saving** you time & money

The Bay XP family includes fittings of single or multiple side-by-side LED modules for suspension or surface mount applications. At IP65 they are capable of very high lumen output packages and suitable for installation from as low as 6m up to 25m.

Suspension - Mini Shack- **le (Standard)**

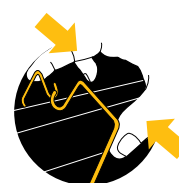
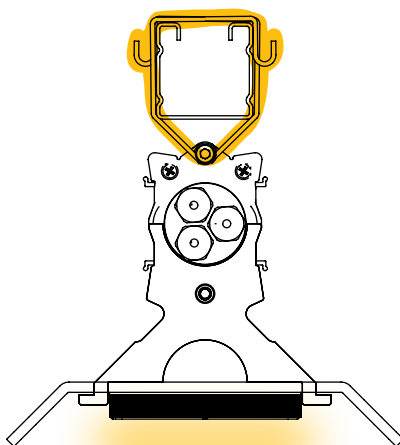
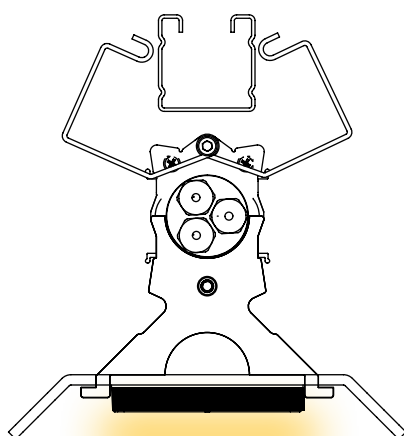
Stainless Steel 316 quick snap-on hook attachment, no tools required.



Shackle

Claw - On request

Spring steel claw included on request, hooks directly onto P2000 Channel



P2000 Claw

Disclaimer:

Although every effort is made to ensure that at the time of publication, the technical details here within, are accurate, true and in line with the latest production specifications, we do reserve the right to change or upgrade any of the details without prior notice, agreement or warning, for any of our products or components.

Our products and their performance are in constant evolution through:

- technology upgrades to improve energy efficiency and performance, increased safety and cost effectiveness
- to comply or conform to suppliers updates or according to new safety standards.

The true nature of any upgrade is always to provide a better product, therefore, there will be no recourse for any complaints or claims of any nature regarding changes to specs.

We are ISO 9001-2015 compliant and our assembly line follows IEC 60958 guidelines – our products are covered by a Product Liability Policy.

Our LED products are covered by a 5 year warranty*

*T&C's apply, please check with Head Office for further details.

Effective lumen output after warmup:

We follow the same practice as other professional manufacturers in providing Effective Performance Data (Lumens, Watts and L&B) that are inclusive of driver and LED thermal losses during the warm-up period.

This can only be achieved by performing the Energy and Photometric Measurement after the LED, within the fitting, is left ON, until a stable and constant Lumen output is reached, ie. reaching a thermally stable condition within the LED assembly at a T_a of 35°C.

Unfortunately it's not uncommon to find suppliers using incomplete data suggesting Efficacy Lumen value to be 10 to 20% higher than the True Effective value.

This misrepresentation is achieved by using Raw LED photometric data that does not include any of the driver losses (generally 2-5 %) and any thermal adjustment losses (this can take 20-240 min & account for 7-15%)

In some extreme cases Effective Lumen is completely misquoted and only the Raw value is mentioned with much higher values.

In both these cases True Effective Lumen is misrepresented and unlawful.

Features

Standard across the BAY XP range.



Indoor



Serviceable: All units are serviceable and all parts replaceable.



5000K Standard, 3000K, 4000K, 6500K on request.



Colour rendition index 80+



Top Bin Chips <3 MacAdams



Modular.



Earth connection and CLASS I insulation fixture.



Optic impact rating IK08/5J.



Voltage surge protection 4Kv.



All screws & mini shackles in stainless steel 316.



Suspended by chain or steel cable. (not included)



Lenses.



Recyclable.



5 year warranty:
Please visit
www.energywise.co.za

Extras

Optional Extras.



Casambi bluetooth technology.



All units can be fitted with Dali or bi-level driver.



Replaceable 10kV surge protection modules available.



IES files available.



P2000 Trunking mount



Motion Sensor.

Designed and
Manufactured by

energywise

Better Light
Through Research.

sales@energywise.co.za | www.energywise.co.za | T: +27 31 764 2345
Physical address: Unit 5 Edstan Business Park, 2 Ibhubesi Road,
Riverhorse Valley, Durban, South Africa, 4017
Postal address: PO Box 1166, Kloof, South Africa, 3640



Energywise lighting options

Energywise specialises in LED luminaries for industrial, EX, commercial and horticultural applications.

INDUSTRIAL

Lights on



Bay XP
Factories, Warehouses,
Cold rooms etc.

Standard
Height: 6-25m
IP: 65
Temp: 40°C



Bay XL
Factories, Warehouses,
Supply rooms etc.

Standard
Height: 3-20m
IP: 40
Temp: 30°C



Bay XE
Factories, Warehouses,
Supply rooms etc.

Standard
Height: 6-25m
IP: 20
Temp: 30°C



DUSTPROOF
Warehouses, Car parks,
Corridors.

Standard
Height: 2.5-8m
IP: 66
Temp: 35°C



Torch Bulkhead
Heavy industrial areas.

Standard
Height: 2-10m
IP: 65
Temp: 30°C



HIGHbay XF
Light industrial econo
low bay.

Standard
Height: 2-10m
IP: 20
Temp: 30°C



LOWbay XF
Light industrial econo
low bay, Task lighting.

Standard
Height: 2-10m
IP: 20
Temp: 30°C



LED eBay
Light industrial econo
low bay

Standard
Height: 2-10m
IP: 40
Temp: 35°C

RETROFIT



Retrofit 44
Converting old HID
tech to LED

Standard
Height: 8m
IP: 00
Temp: 30°C



Retrofit 22
Converting old HID
bulkhead to LED

Standard
Height: 10m
IP: 00
Temp: 35°C



Bricklight
Recessed wall light

Standard
Height: 2m
IP: 00
Temp: 30°C

RETAIL & COMMERCIAL



LEDrail 1000
Shops, Production
facilities, parking

Standard
Height: 2.5-10m
IP: 40
Temp: 30°C



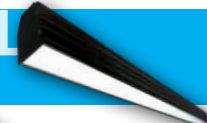
LEDrail 2000
Shops, Sheds,
Underground parking

Standard
Height: 2.5-10m
IP: 40
Temp: 30°C



LEDrail 4000
Retail, board rooms,
department stores.

Standard
Height: 2.5-6m
IP: 40
Temp: 35°C



LEDrail 8000
Retail, board rooms,
department stores.

Standard
Height: 2.5-6m
IP: 40
Temp: 35°C



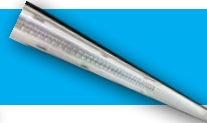
LEDrail 4-100
All retail outlets,
showrooms, offices etc

Standard
Height: 2.5-10m
IP: 40
Temp: 35°C



LEDRAIL 4LCO
Shops, Production
facilities, showrooms.

Standard
Height: 2.5-10m
IP: 40
Temp: 35°C



LEDRAIL 4-100 GAP
Retail applications,
Hardware stores etc

Standard
Height: 2.5-10m
IP: 40
Temp: 35°C

EX



EX Bay XP
Factories, Warehouses,
Mills, Marine etc.

Standard
Height: 6-25m
IP: 65
Temp: 40°C



EX Flood
Factories, Warehouses,
Mills, Marine etc.

Standard
Height: 3-10m
IP: 65
Temp: 40°C



**EX DUSTPROOF
PREMIUM** Warehouses,
Car parks, Mills.

Standard
Height: 2.5-8m
IP: 65
Temp: 40°C



EX DUSTPROOF
Warehouses, Car parks,
Corridors, Mills.

Standard
Height: 2.5-8m
IP: 65
Temp: 40°C



EX Pod
Factories, Mines,
Marine etc.

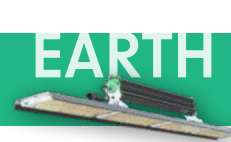
Standard
Height: 2-5m
IP: 68
Temp: 40°C



EX Torch
Heavy industrial areas.

Standard
Height: 2-10m
IP: 65
Temp: 40°C

EARTH



EARTHbay
Horticulture, Open
areas etc

Standard
IP: 65
Temp: 35°C



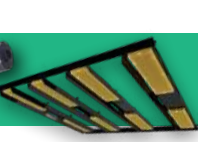
EARTHplate
Horticulture, Rack/
Under shelf etc

Standard
IP: 65
Temp: 35°C



EARTHpod
Horticulture,
Propagation, Racks etc.

Standard
IP: 65
Temp: 35°C



EARTHaxis
Grow tent
horticulture

Standard
IP: 65
Temp: 35°C

Job done

energywise

Better light
through research.