

Bay XE

No frills, all punch, no compromises.

A high powered and high quality highbay in an economical packaging, the Bay XE packs much of the punch of its more luxurious Bay XP sibling without the frills. A true no nonsense workhorse this the BAY XE was designed to light where you need it without fuss.



Proudly manufactured in
South Africa using
European LED Technology



kV Protection:
4kV surge
protection

IP
20

Indoor



Lenses



5 Year
Warranty

energywise

Better light
through research.

Minimal cost, Massive value

Professional lighting for all.

After the success of our Bay XP we realised there was a gap in the market for a more cost effective solution that did the basics perfectly without the frills.

Manufactured from the same battle tested materials as its big brothers and with its superior heat dissipation and high lumen output the Bay XE is suitable for many applications ranging from storage rooms, workshops, light industrial, commercial and garages etc

From sweltering factories to industrial cold rooms the heavyweight XP is the benchmark in high bay lighting. For hardworking factories and busy warehouses the XL delivers perfectly. For everything else the Bay XE shines bright and comes in at a price that's right.

*25°C is for Textbooks, Not Africa's Sun:
All EW Lights are designed for the 30°C Reality. Minimum.

KEY FEATURES

LENSES

- 3 different optics for multiple lens combinations.

3 SIZE OPTIONS

- Bay XE 102
- Bay XE 103
- Bay XE 104

OPTICS

- Impact rating IK08/5J

MOUNTING OPTIONS

- P2000 mount
- Ceiling mount
- Suspended / Pendant



Specifications

Spec'd for **every** situation.

Our Bay XE is available in the specifications below.



kV Protection:
4kV surge
protection



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



Indoor



Recyclable



Lenses



L&B Rating:
L80 B10
50 000 hrs

102

Raw Lumen:
Effective Lumen:

22,660 lm
18,822 lm

240V:
Raw Efficacy:
Effective Efficacy:

144W
158 lm/w
131 lm/w

Max ambient:
L&B

30°C
L80 B10 50K hrs

600 x 173mm

103

Raw Lumen:
Effective Lumen:

33,990 lm
27,255 lm

215W
158 lm/w
127 lm/w

30°C
L80 B10 50K hrs

1000 x 173mm

104

Raw Lumen:
Effective Lumen:

45,320 lm
37,340 lm

287W
158 lm/w
130 lm/w

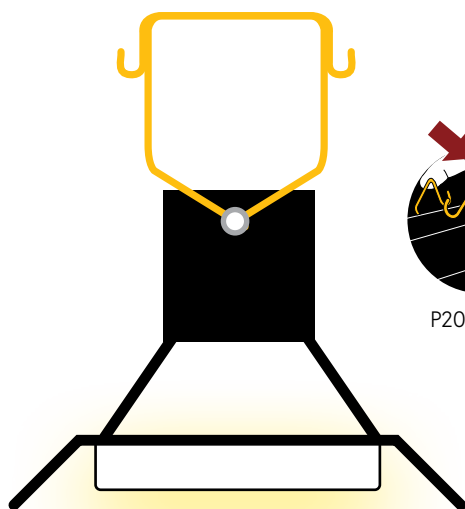
30°C
L80 B10 50K hrs

1350 x 173mm

Installation

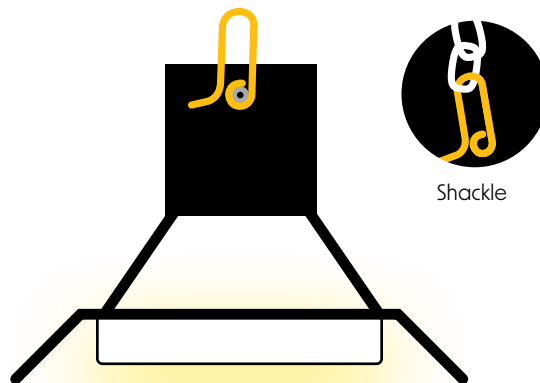
Easy to install, **saving** you time & money

The Bay XE has two simple methods of installations as pictured below.



P2000 Claw

P2000 Claw Mount
For quick and simple attachment of
the Bay XE to P2000 trunking. **On
request**



Shackle

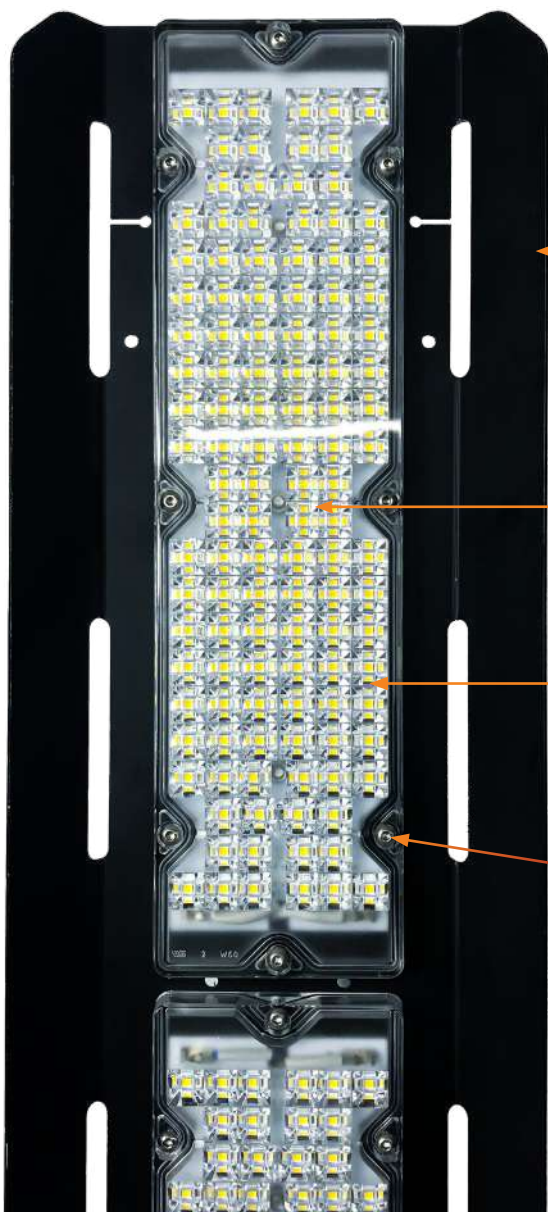
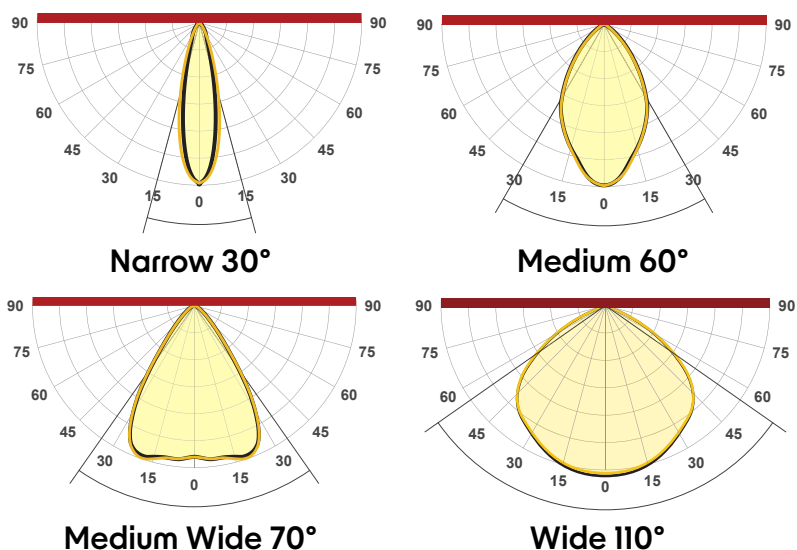
Suspended Shackle Mount
For hanging the fitting at your desired
height. **On request**

Distribution Options

The light you need, where you want it.

Light Where You Need It—Not Where You Don't

Traditional lighting spread light everywhere except where you actually needed it. But with high-quality optical lenses, illumination is now targeted and efficient. We design lighting to maximize performance—punching deep into high racks, spreading wide over open spaces, and delivering perfect lux levels with minimal waste. With these innovations, the only shadows left are the ones you want.



A Closer Look

Engineered to the highest standards.

Heat-sink

Aluminum heat-sink engineered to keep the LEDs comfortable up to an ambient of 30°C. This radical design is also easier to clean fitting without compromising heat dissipation.

Lenses

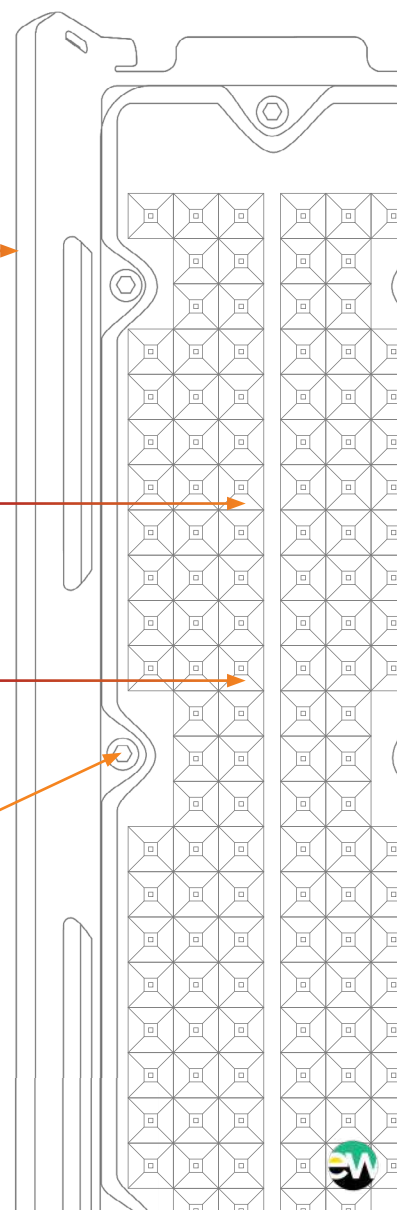
Polycarbonate lens offer great IK08 impact protection and efficient distribution control.

LEDs

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

Finishings

All fasteners are Stainless Steel 306 rust free longevity.



Features

Standard across the Bay XE range.



Indoor



Sustainably Recyclable.



Lenses.



Serviceable: All units are serviceable and all parts replaceable.



5600K Standard, 3000K, 4000K, 6500K on request.



Colour rendition index 80+



Top Bin Chips <3 MacAdams



Earth connection and CLASS I insulation fixture.



Optic impact rating IK08/5J.



Voltage surge protection 4Kv.



All screws & mini shackles in stainless steel 306.



Suspended by chain or steel cable. (not included)



L&B Life Rating: L80 B10, 50 000 hrs



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

Disclaimer:

While every effort is made to ensure the accuracy of technical details at the time of publication, we reserve the right to modify or upgrade any product or component specifications without prior notice. Our products undergo continuous improvements in technology, energy efficiency, safety, and cost-effectiveness to meet evolving industry standards and supplier updates.

All upgrades are made to enhance product quality, and as such, no claims or complaints will be entertained regarding specification changes.

We are ISO 9001:2015 compliant, and our assembly line adheres to IEC 60958 guidelines. Our products are covered by a Product Liability Policy, and our LED products come with a 5-year warranty (T&Cs apply—please contact Head Office for details).

Effective Lumen Output After Warm-up

We adhere to industry best practices in providing accurate Effective Performance Data (Lumens, Watts, and L&B) that account for driver and LED thermal losses during the warm-up period.

To ensure precise measurements, we conduct Energy and Photometric Testing only after the LED within the fitting has been powered on long enough to reach a stable and constant lumen output—achieving thermal equilibrium at an ambient temperature (T_a) of 35°C.

Unfortunately, some suppliers misrepresent efficacy by inflating lumen values 10–20% above the true effective output. This is often done by using raw LED photometric data, which:

- Excludes driver losses (typically 2–5%)
- Ignores thermal adjustment losses, which can take 20–240 minutes and account for 7–15% reduction in output

Given these factors, the actual Effective Lumen Output is often lower than raw values suggest. In extreme cases, some suppliers report only raw LED values, completely disregarding real-world performance.

For transparency and accuracy, we ensure our data reflects true effective lumens, providing reliable performance metrics you can trust.

Optional



P2000 Trunking mount.



VOLTpro



Different colour options.



IES files available.

Designed and
Manufactured by

energywise

Better Light
Through Research.

sales@energywise.co.za | www.energywise.co.za
T: +27 31 764 2345 / +27 87 941 0012

Physical address: Unit 5 Edstan Business Park, 2 Ibhubs 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



						
Bay XP Factories, Warehouses, Cold rooms etc.	Bay XL Factories, Warehouses, Supply rooms etc.	Bay XE Factories, Warehouses, Supply rooms etc.	DUSTPROOF Warehouses, Car parks, Corridors.	VANDAL-RESISTANT DUSTPROOF Car parks, Corridors, Mills.	PUREBox Panel Medical & laboratory, Clean rooms etc.	Torch Bulkhead Heavy industrial areas.
Standard Height: 6-25m IP: 65 Temp: 40/65°C	Standard Height: 3-20m IP: 40 Temp: 30°C	Standard Height: 6-25m IP: 20 Temp: 30°C	Standard Height: 2.5-8m IP: 66 Temp: 35°C	Standard Height: 2.5-8m IP: 66 Temp: 35°C	Standard Height: 3-5m IP: 54 Temp: 35°C	Standard Height: 6-25m IP: 65 Temp: 30°C

						
Pod IP65 Tamperproof and nearly unbreakable.	Bay XF Get the job done, Glare-Free.	Plate XP Swiss army knife of lighting.	TOBLO bay Factories, Warehouses, Supply rooms etc.	Bay XT Distribution centers, Warehouses etc.	Retrofit 44 Converting old HID tech to LED	Retrofit 22 Converting old HID bulkhead to LED
Standard Height: 2-5m IP: 65 Temp: 35°C	Standard Height: 2-10m IP: 20 Temp: 30°C	Standard Height: 6-25m IP: 65 Temp: 35°C	Standard Height: 6-25m IP: 40 Temp: 40/30°C	Standard Height: 3-20m IP: 40 Temp: 35°C	Standard IP: 00 Temp: 30°C	Standard IP: 00 Temp: 35°C


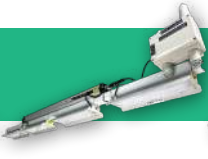

RETAIL & COMMERCIAL

						
LEDrail 1000 Shops, Production facilities, parking	LEDrail 2000 Shops, Sheds, Underground parking	LEDrail 4000 Retail, board rooms, department stores.	LEDrail 8000 Retail, board rooms, department stores.	LEDrail 4-100 All retail outlets, showrooms, offices etc	LEDrail 4LCO Shops, Production facilities, showrooms etc	Linear 4-300 Glare free precision lighting
Standard Height: 2.5-10m IP: 40 Temp: 30°C	Standard Height: 2.5-10m IP: 40 Temp: 30°C	Standard Height: 2.5-6m IP: 40 Temp: 35°C	Standard Height: 2.5-6m IP: 40 Temp: 35°C	Standard Height: 2.5-10m IP: 40 Temp: 35°C	Standard Height: 2.5-10m IP: 40 Temp: 35°C	Standard Height: 2.5-10m IP: 40 Temp: 35°C

EX

						
Downlighter Offices, retail and hospitality settings.	Panel 595x595 Offices, healthcare, educational facilities.	Panel 1195x595 Offices, commercial, educational settings.	EX Bay XP Factories, Warehouses, Mills, Marine etc.	EX DUSTPROOF PREMIUM Warehouses, Car parks, Mills.	EX DUSTPROOF Warehouses, Car parks, Corridors, Mills.	EX Pod Factories, Mines, Marine etc.
Standard IP: 40 Temp: 30°C	Standard IP: 40 Temp: 30°C	Standard IP: 40 Temp: 30°C	Standard Height: 6-25m IP: 65 Temp: 40°C	Standard Height: 2.5-8m IP: 65 Temp: 35°C	Standard Height: 2.5-8m IP: 65 Temp: 35°C	Standard Height: 2-5m IP: 68 Temp: 40°C

EARTH

			
EX Torch Heavy industrial areas.	EARTHbay Horticulture, Open areas etc	EARTHplate Horticulture, Rack/ Under shelf etc	EARTHpod Horticulture, Propagation, Racks etc.
Standard IP: 65 Temp: 40°C	Standard From canopy: 0.5-2m IP: 65 Temp: 35°C	Standard From canopy: 0.4-2m IP: 65 Temp: 35°C	Standard From canopy: 0.2-1m IP: 65 Temp: 35°C

Lights on. Job done.

energywise

Better light
through research.