

# 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**

## 102

## 103

## 104

Raw Lumen:  
Effective Lumen:

22,660 lm  
18,822 lm

33,990 lm  
27,255 lm

45,320 lm  
37,340 lm

240V:  
Raw Efficacy:  
Effective Efficacy:

**144W**  
158 lm/w  
131 lm/w

**215W**  
158 lm/w  
127 lm/w

**287W**  
158 lm/w  
130 lm/w

Max ambient:  
L&B

**30°C**  
L80 B10 50K hrs

**30°C**  
L80 B10 50K hrs

**30°C**  
L80 B10 50K hrs

### 600 mm

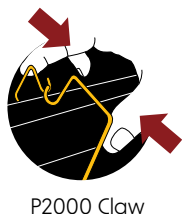
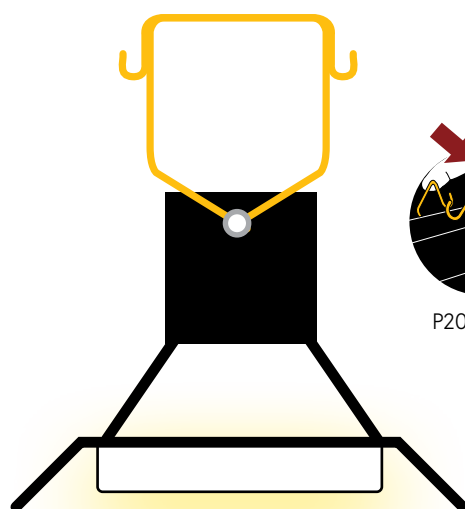
### 1000 mm

### 1350 mm

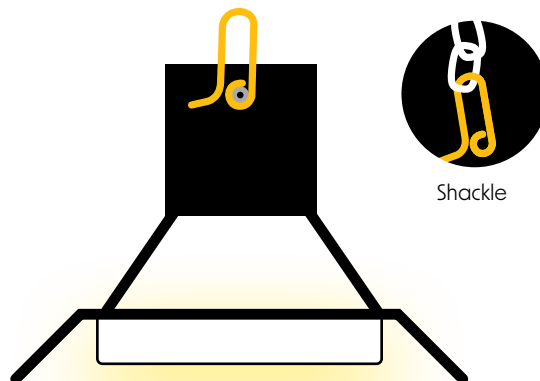
## Installation

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

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



P2000 Claw



Shackle

### P2000 Claw Mount

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

### Suspended Shackle Mount

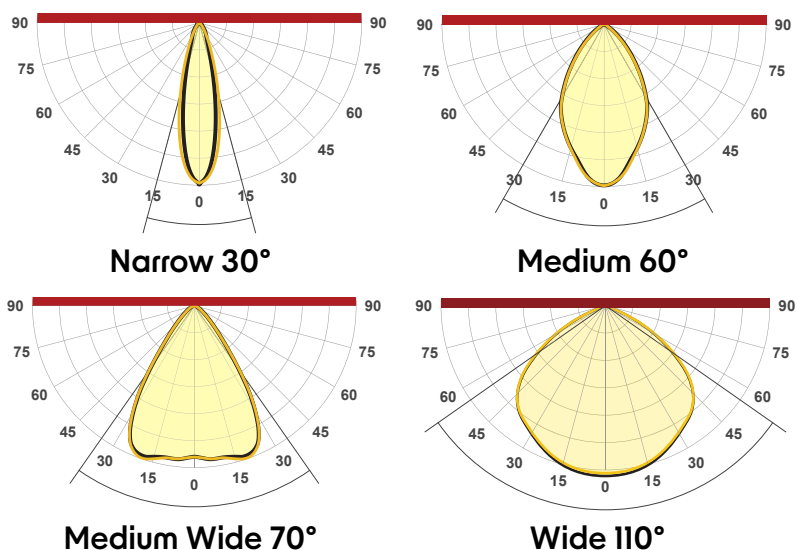
For hanging the fitting at your desired  
height. **On request**

# 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 efficiency, we are able to put the light where you need it most providing you lux levels on both vertical and horizontal planes.

In so doing we can provide solutions for shelving or walkways, 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 30°C. This radical design is also easier to clean fitting without compromising heat dissipation.

### Lenses

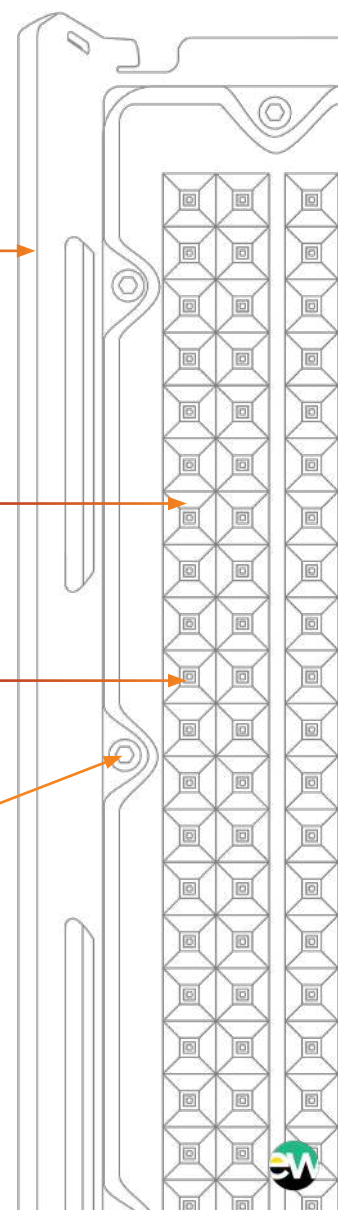
Polycarbonate lens offer great IK08 impact protection and efficient distribution control.

### 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



**5 year warranty:**  
Please visit  
[www.energywise.co.za](http://www.energywise.co.za)

### 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 Ta 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.

## Optional



P2000 Trunking mount.



VOLTpro



Different colour options.



IES files available.

Designed and  
Manufactured by

**energywise**

Better Light  
Through Research.

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# Energywise lighting options

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

## Lights on

### INDUSTRIAL



**Bay XP**  
Factories, Warehouses,  
Cold rooms etc.

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



### RETROFIT



**Bay XF**  
Get the job done,  
Glare-Free.

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

**Plate XP**  
Swiss army knife  
of lighting.

**Standard**  
Height: 0.35m  
IP: 65  
Temp: 35°C

**TOBLO bay**  
Factories, Warehouses,  
Supply rooms etc.

**Standard**  
Height: 6-25m  
IP: 20  
Temp: 40/30°C

**Retrofit 44**  
Converting old HID  
tech to LED

**Standard**  
Height: 8m  
IP: 00  
Temp: 30°C

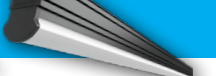
**Retrofit 22**  
Converting old HID  
bulkhead to LED

**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

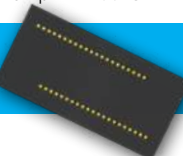
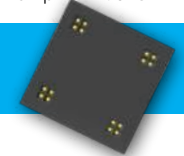
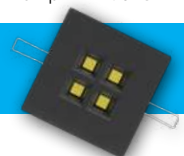
**Standard**  
Height: 2.5-10m  
IP: 40  
Temp: 35°C

**LEDrail 4LCO**  
Shops, Production  
facilities, showrooms etc

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

**Linear 4-300**  
Glare free  
precision lighting

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



**Downlighter**  
Offices, retail and  
hospitality settings.

**Standard**  
Height: 0.15m  
IP: 40  
Temp: 30°C

**Panel 600x600**  
Offices, healthcare,  
educational facilities.

**Standard**  
Height: 0.6m  
IP: 40  
Temp: 30°C

**Panel 1200x600**  
Offices, commercial,  
educational settings.

**Standard**  
Height: 0.6m  
IP: 40  
Temp: 30°C

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

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

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

**Standard**  
Height: 2.5-8m  
IP: 65  
Temp: 35°C

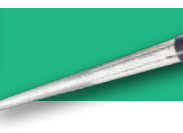
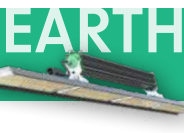
**EX DUSTPROOF**  
Warehouses, Car  
parks, Corridors, Mills.

**Standard**  
Height: 2.5-8m  
IP: 65  
Temp: 35°C

**EX Pod**  
Factories, Mines,  
Marine etc.

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

### EARTH



**EX Torch**  
Heavy industrial  
areas.

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

**EARTHbay**  
Horticulture, Open  
areas etc

**Standard**  
Height: 2.5m  
IP: 65  
Temp: 35°C

**EARTHplate**  
Horticulture, Rack/  
Under shelf etc

**Standard**  
Height: 0.5m  
IP: 65  
Temp: 35°C

**EARTHpod**  
Horticulture,  
Propagation, Racks etc.

**Standard**  
Height: 0.2m  
IP: 65  
Temp: 35°C

**EARTHaxis**  
Grow tent  
horticulture

**Standard**  
Height: 0.2m  
IP: 65  
Temp: 35°C

## Job done

**energywise**

Better light  
through research.