

# Bay XF

## Get the job done, glare free.

### Highbay

High power light industrial highbay designed to out spec, outperform and outlast the competition.

### Lowbay

For commercial environments that require a little less punch but the same exceptional distribution look no further the Lowbay XF



Lights on.  
Job done.



kV Protection:  
Up to 4kV

IP  
20

Indoor



Recyclable

energywise

Better light  
through research.



## High lumen, low glare.

First there was the HIGHbay XP, the high powered, high IP king of industrial lights. Soon we had a call for the same quality fitting, better spec'd for smaller environments.

Think Highbay, think retail, think BayXF. Our XF range is the perfect commercial partner for your business. With high quality optics and a refined appearance this luminare carries the lens package to ensure the light goes where you need it most.

## KEY FEATURES

### LENSES

- 4 different optics for countless optic combinations

### 7 SIZE OPTIONS

- HIGHbay XF 104, 204, 304
- LOWbay XF 104, 106, 204, 304

### OPTICS

- Impact rating IK08/5J

### MOUNTING OPTIONS

- Ceiling mount
- Suspended / Pendant



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



# Specifications

Spec'd for **every** situation.

Our HIGHbay XF can be manufactured to your desired specifications, see the options below.



**kV Protection:**  
Up to 4kV



**5000K standard**  
3000K, 4000K,  
6500K available  
CR>80 R9>I3

**IP  
20**

**Indoor**



**Recyclable**

## HIGHbay XF 104

Raw Lumen:	4240 lm	5840 lm	7024 lm	8200 lm	9950 lm
Effective Lumen:	3720 lm	5062 lm	6052 lm	6928 lm	8012 lm
240V:	<b>24W</b>	<b>34W</b>	<b>41W</b>	<b>49W</b>	<b>59W</b>
Raw Efficacy:	180 lm/w	174 lm/w	172 lm/w	168 lm/w	169 lm/w
Effective Efficacy:	158 lm/w	151 lm/w	148 lm/w	142 lm/w	136 lm/w
Max ambient:	<b>30°C</b>	<b>30°C</b>	<b>30°C</b>	<b>30°C</b>	<b>30°C</b>
L&B:	L80 B10 50K Hrs	L80 B10 50K Hrs	L80 B10 50K Hrs	L80 B10 50K Hrs	L80 B10 50K Hrs

**1250 mm**

## HIGHbay XF 204

Raw Lumen:	8480 lm	11680 lm	14048 lm	16400 lm	19900 lm
Effective Lumen:	7440 lm	10124 lm	12104 lm	13856 lm	16024 lm
240V:	<b>48W</b>	<b>68W</b>	<b>82W</b>	<b>98W</b>	<b>118W</b>
Raw Efficacy:	180 lm/w	174 lm/w	172 lm/w	168 lm/w	169 lm/w
Effective Efficacy:	158 lm/w	151 lm/w	148 lm/w	142 lm/w	136 lm/w
Max ambient:	<b>30°C</b>	<b>30°C</b>	<b>30°C</b>	<b>30°C</b>	<b>30°C</b>
L&B:	L80 B10 50K Hrs	L80 B10 50K Hrs	L80 B10 50K Hrs	L80 B10 50K Hrs	L80 B10 50K Hrs

**1250mm**

## HIGHbay XF 304

Raw Lumen:	12720 lm	17520 lm	24600 lm
Effective Lumen:	11160 lm	15186 lm	20784 lm
240V:	<b>72W</b>	<b>102W</b>	<b>147W</b>
Raw Efficacy:	180 lm/w	174 lm/w	168 lm/w
Effective Efficacy:	158 lm/w	151 lm/w	142 lm/w
Max ambient:	<b>30°C</b>	<b>30°C</b>	<b>30°C</b>
L&B:	L80 B10 50K Hrs	L80 B10 50K Hrs	L80 B10 50K Hrs

**1250 mm**



**HIGHbay XF 204**



# Specifications

Spec'd for every situation.

Our LOWbay XF can be manufactured to your desired specifications, see the options below.



**kV Protection:**  
Up to 4kV



**5000K standard**  
3000K, 4000K,  
6500K available  
CR>80 R9>I3

**IP  
20**

**Indoor**



**Recyclable**

## LOWbay XF 104

Raw Lumen:	4240 lm	5840 lm	7024 lm	8200 lm
Effective Lumen:	3772 lm	5114 lm	6002 lm	6928 lm
240V:	<b>24W</b>	<b>34W</b>	<b>41W</b>	<b>49W</b>
Raw Efficacy:	180 lm/w	174 lm/w	172 lm/w	168 lm/w
Effective Efficacy:	160 lm/w	152 lm/w	147 lm/w	142 lm/w
Max ambient:	<b>30°C</b>	<b>30°C</b>	<b>30°C</b>	<b>30°C</b>
L&B:	L80 B10 50K Hrs	L80 B10 50K Hrs	L80 B10 50K Hrs	L80 B10 50K Hrs

**1250 mm**

## LOWbay XF 204

Raw Lumen:	8480 lm	11680 lm	14048 lm	16400 lm
Effective Lumen:	7544 lm	10228 lm	12004 lm	13856 lm
240V:	<b>48W</b>	<b>68W</b>	<b>82W</b>	<b>98W</b>
Raw Efficacy:	180 lm/w	174 lm/w	172 lm/w	168 lm/w
Effective Efficacy:	160 lm/w	152 lm/w	147 lm/w	142 lm/w
Max ambient:	<b>30°C</b>	<b>30°C</b>	<b>30°C</b>	<b>30°C</b>
L&B:	L80 B10 50K Hrs	L80 B10 50K Hrs	L80 B10 50K Hrs	L80 B10 50K Hrs

**1250 mm**

## LOWbay XF 304

Raw Lumen:	12720 lm	17520 lm	21072 lm	24600 lm
Effective Lumen:	11316 lm	15342 lm	18006 lm	20784 lm
240V:	<b>72W</b>	<b>102W</b>	<b>123W</b>	<b>147W</b>
Raw Efficacy:	180 lm/w	174 lm/w	172 lm/w	168 lm/w
Effective Efficacy:	160 lm/w	152 lm/w	147 lm/w	142 lm/w
Max ambient:	<b>30°C</b>	<b>30°C</b>	<b>30°C</b>	<b>30°C</b>
L&B:	L80 B10 50K Hrs	L80 B10 50K Hrs	L80 B10 50K Hrs	L80 B10 50K Hrs

**1250 mm**



**LOWbay XF,**  
Driver housed with the fitting.

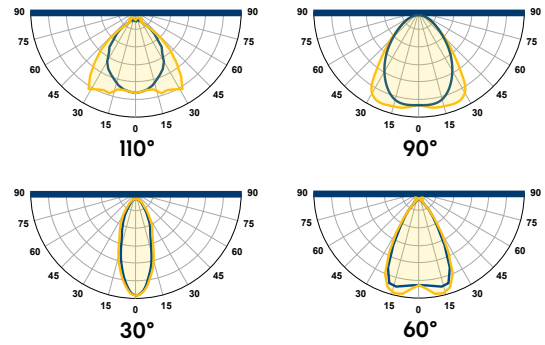


# Distribution Options

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

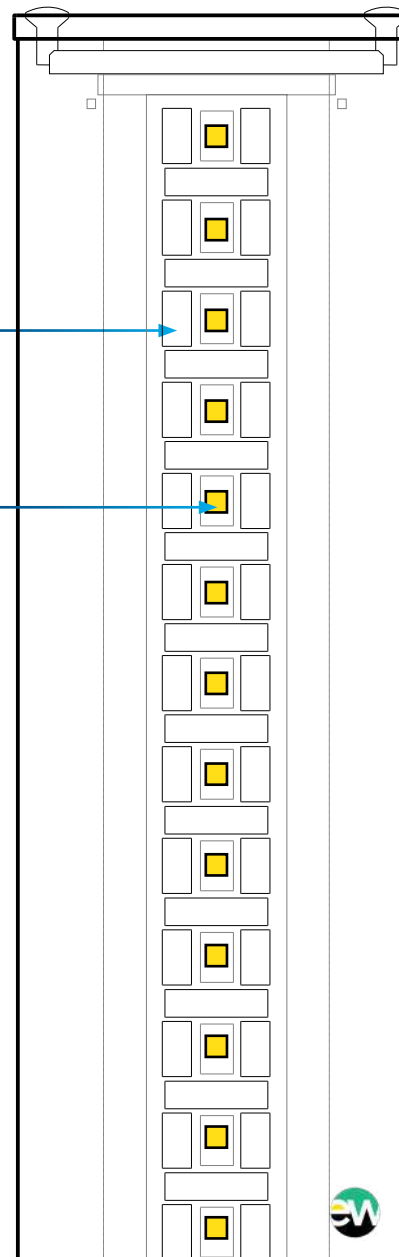
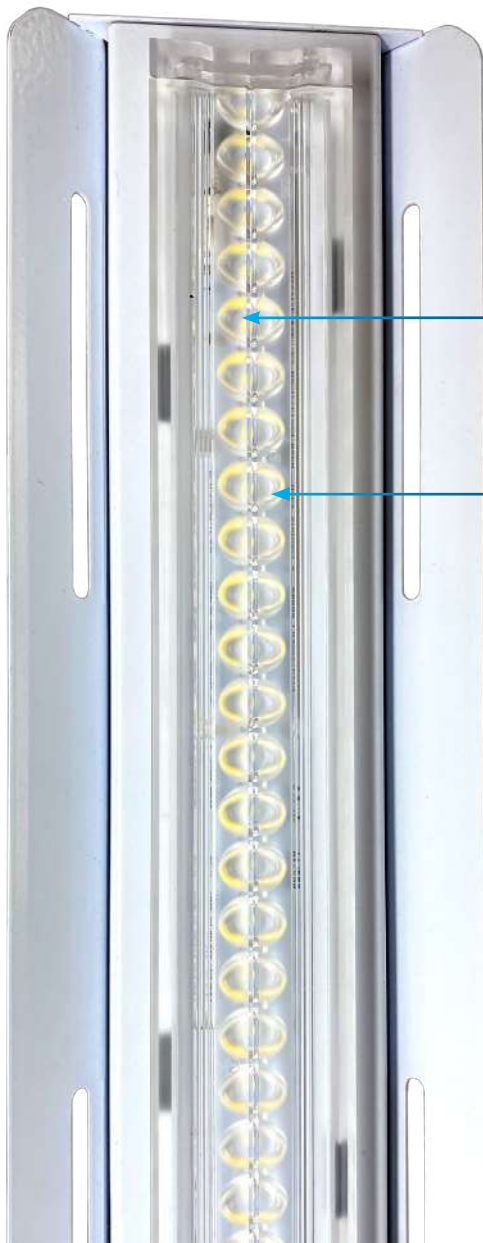
Engineered to the highest standards.

### 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.



# Features

Standard across the BAY XF range.



Indoor.



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



World class LED Life rating



Earth connection and CLASS I insulation fixture.



Optic impact rating IK08/5J.



Voltage surge protection up to 4Kv.



Suspended by chain or steel cable. (not included)

# Extras

Optional Extras.



Casambi bluetooth technology.



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



Excellent Luminous Efficacy (Lm/W)



Voltage surge protection. Up to 10kv.



IES files available.



**5 year warranty:**

Please visit [www.energywise.co.za](http://www.energywise.co.za)

Designed and  
Manufactured by

**energywise**

Better Light  
Through Research.

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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  
diffused 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**  
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.