Plate XP

IP 65

Expandable Highbay. Unyielding Power.

The Plate XP Variable Highbay stands out with its ability to divide into plates, enabling the expansion of lighting coverage without extra fixtures, thus reducing disruptive light scallops. Designed for rugged industrial conditions, it offers potent illumination from significant heights, boasting a substantial lumen output and four optic options for precision lighting.

5 YEAR WARRANTY*

P2000 not included

Proudly manufactured in **South Africa** using **European** LED Technology

4kv

kV Protection: 4kV surge protection

IP 65

Indoor

PC

Polycarbonate Lenses GMP aligned

5 YEAR WARRANTY*

5 Year Warranty

energywise

Better light through research**.**

ONE LIGHT.

CLICK HERE

SO MANY VARIATIONS.

Specifications
Spec'd for every situation.
Our Plate XP can be manufactured to your desired specifications, see the options below.

4kv

kV Protection:
4kV surge protection

KELVIN

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

IP 65

Indoor

PC

Polycarbonate
Lenses
GMP aligned

Standard
P2000 trunking mounting

Modular:
Expandable system

L&B

L&B Life Rating:
L90 B10
50 000 hrs

Plate XP 102

Raw Lumen:	23,100 lm
Effective Lumen:	20,424 lm
Wattage:	**123W**
Raw Efficacy:	188 lm/w
Effective Efficacy:	166 lm/w
Max Ta:	**35°C**
L&B:	L90 B10
Hrs:	50 000 Hrs

350mm x 120mm x 45mm

Plate XP 103

Raw Lumen:	34,650 lm
Effective Lumen:	30,636 lm
Wattage:	**185W**
Raw Efficacy:	188 lm/w
Effective Efficacy:	166 lm/w
Max Ta:	**35°C**
L&B:	L90 B10
Hrs:	50 000 Hrs

350mm x 120mm x 45mm

Plate XP 104

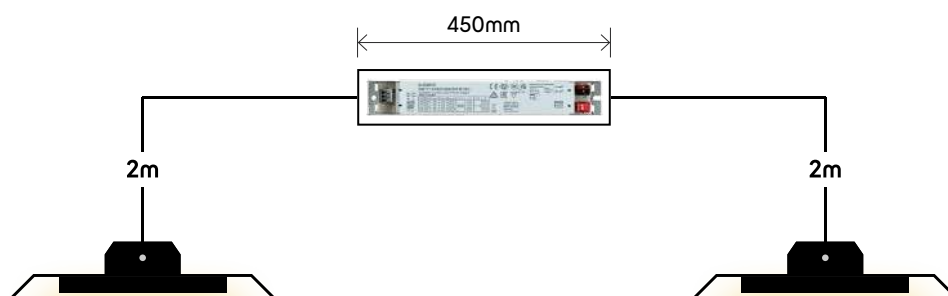|	
Raw Lumen:	46,200 lm
Effective Lumen:	40,848 lm
Wattage:	**246W**
Raw Efficacy:	188 lm/w
Effective Efficacy:	166 lm/w
Max Ta:	**35°C**
L&B:	L90 B10
Hrs:	50 000 Hrs

350mm x 120mm x 45mm

Plate XP 102, 103 & 104 also available as 50°C & 65°C ta room temperature fittings on request.

(Please note whilst any spacing is possible between boards the longest distance between the driver and furthest board is 6m)
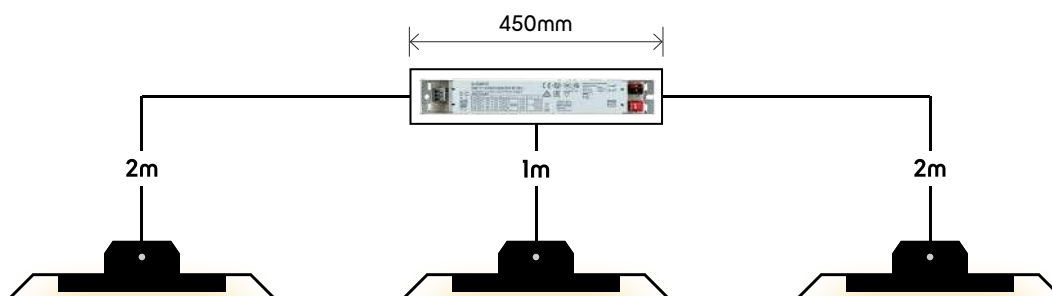
Specifications
Spec'd for every environment.
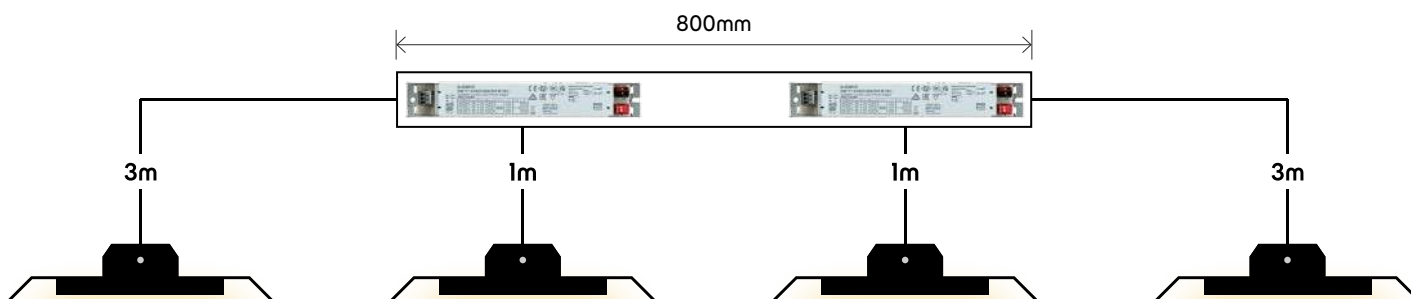Our Plate XP can be manufactured to your desired environmental requirements, see the options below.

Plate XP 102
1 fitting - 2 LED modules

Room Ambient	Output
-40°C/+40°C	150W
+40°C/+50°C	90W
+40°C/+65°C	60W

Plate XP 103
1 fitting - 3 LED modules

Room Ambient	Output
-40°C/+40°C	215W
+40°C/+50°C	140W
+40°C/+65°C	90W

Plate XP 104
1 fitting - 4 LED modules

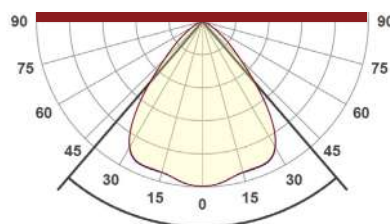| Room Ambient	Output
-40°C/+40°C	290W
+40°C/+50°C	185W
+40°C/+65°C	120W

Distribution Options
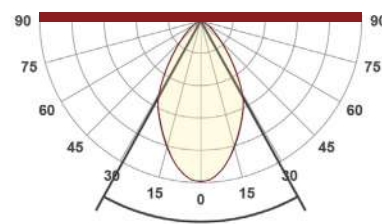## The light you need, where you want it.

Precision Lighting for Maximum Efficiency
The evolution of high-performance optical lenses has revolutionized the way we illuminate spaces. No longer are we stuck with outdated, scattergun lighting that wastes energy illuminating ceilings and unnecessary surfaces.
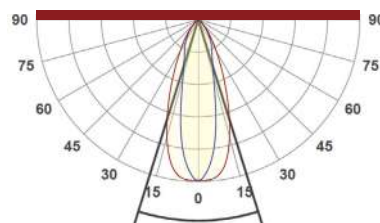
Thanks to cutting-edge lens technology, light can now be directed exactly where it's needed, delivering the right lux levels without inefficiency. Whether it's deep penetration for high-rack warehouses or wide coverage for expansive areas, our tailored solutions eliminate dark spots—unless you want them.

Wide 90°

Medium 60°

High Rack

A Closer Look
Engineered to the highest standards.

Heat-sink
Aluminum heat-sink engineered to keep the LEDs comfortable up to an ambient temperature of 65°C (on request). 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.
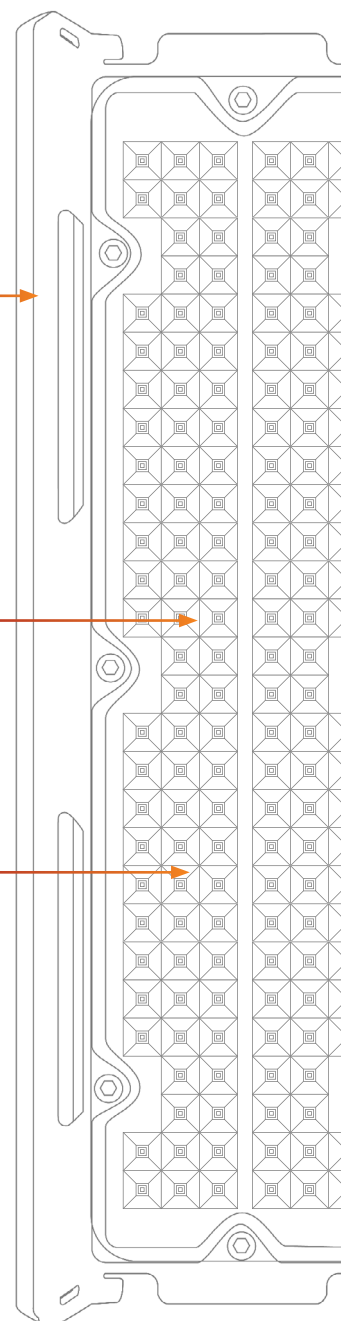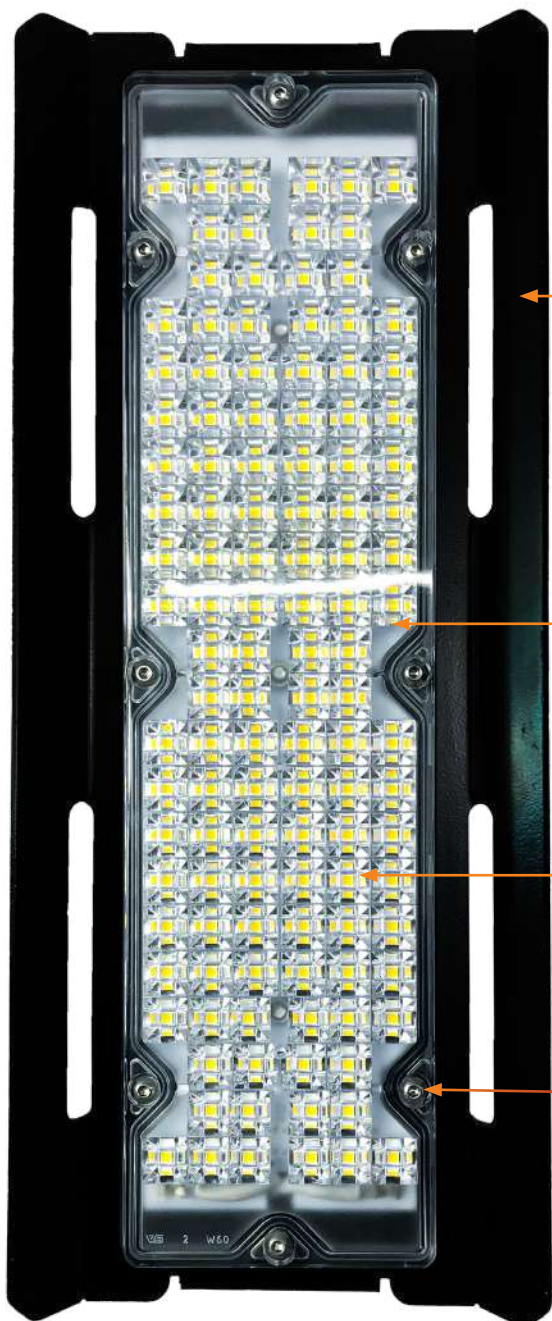
Lenses
Polycarbonate lenses offer great IK08 impact protection and efficient distribution control. The continuous silicone gasket allows a water-resistant (IP65) assembly.

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

Finishings
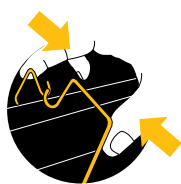All fasteners are Stainless Steel 316 rust free longevity.

Installation

Easy to install , Saving you time & money

The Plate XP family includes fittings of single or multiple side-by-side LED modules for P2000 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.

P2000 trunk mount

Position the claw
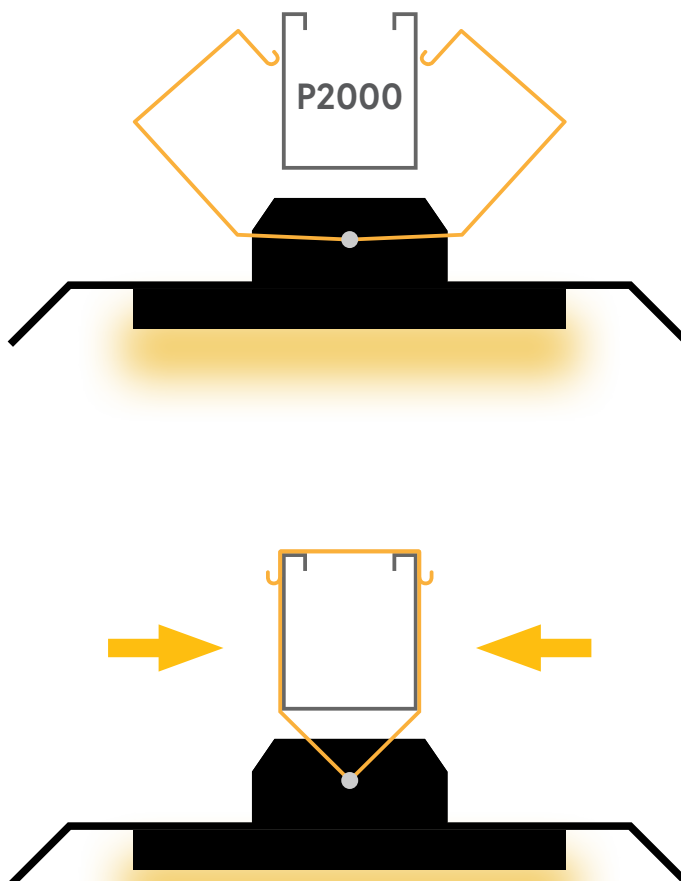Align the claw's arms with the P2000 unit as shown in the diagram.

P2000 Claw

Secure the unit
Gently press the claw arms inward until they securely hold the P2000 unit in place as shown in the diagram.

Check alignment
Ensure the unit is properly seated and the connections are tight before powering on.

P2000

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 (Ta) 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.

Features

Standard across the Plate XP range.

IP 65 — Indoor

Serviceable: All units are serviceable and all parts replaceable.

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

CRI — Colour rendition index 80+

Top Bin Chips <3 MacAdams

Modular.

Earth connection and CLASS I insulation fixture.

IK08/5J — Optic impact rating IK08/5J.

4kv — Voltage surge protection 4Kv.

Al stainless SS316 — All screws & mini shackles in stainless steel 316.

P2000 Trunking mount

Lenses.

Sustainably Recyclable.

L&B — L&B Life Rating: **L90 B10, 50 000 hrs**

LUMEN / WATT — Excellent Luminous Efficacy (Lm/W)

Extras

Optional Extras.

Casambi bluetooth technology. **Bluetooth**

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

10kv — Replaceable 10kV surge protection modules available.

.IES — IES files available.

Other mounting options are available upon request.

Motion Sensor.

VOLTpro

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

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

Designed and Manufactured by **energywise**

Better Light Through Research.

Energywise lighting options

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

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

VANDAL-RESISTANT DUSTPROOF
Car parks, Corridors, Mills.

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

PUREBox Panel
Medical & laboratory, Clean rooms etc.

Standard	
Height:	3-5m
IP:	54
Temp:	35°C

Torch Bulkhead
Heavy industrial areas.

Standard	
Height:	
IP:	65
Temp:	30°C

Pod IP65
Tamperproof and nearly unbreakable.

Standard	
Height:	2-5m
IP:	65
Temp:	35°C

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:	6-25m
IP:	65
Temp:	35°C

TOBLO bay
Factories, Warehouses, Supply rooms etc.

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

Bay XT
Distribution centers, Warehouses etc.

Standard	
Height:	3-20m
IP:	40
Temp:	35°C

RETROFIT

Retrofit 44
Converting old HID tech to LED

Standard	
IP:	00
Temp:	30°C

Retrofit 22
Converting old HID bulkhead to LED

Standard	
IP:	00
Temp:	35°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 precison lighting

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

Downlighter
Offices, retail and hospitality settings.

Standard	
IP:	40
Temp:	30°C

Panel 595x595
Offices, healthcare, educational facilities.

Standard	
IP:	40
Temp:	30°C

Panel 1195x595
Offices, commercial, educational settings.

Standard	
IP:	40
Temp:	30°C

EX

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	
IP:	65
Temp:	40°C

EARTHbay
Horticulture, Open areas etc

Standard	
From canopy:	0.5-2m
IP:	65
Temp:	35°C

EARTHplate
Horticulture, Rack/Under shelf etc

Standard	
From canopy:	0.4-2m
IP:	65
Temp:	35°C

EARTHpod
Horticulture, Propagation, Racks etc.

Standard	
From canopy:	0.2-1m
IP:	65
Temp:	35°C

Lights on. Job done.

energywise

Better light through research.