



Industrial

IP
65

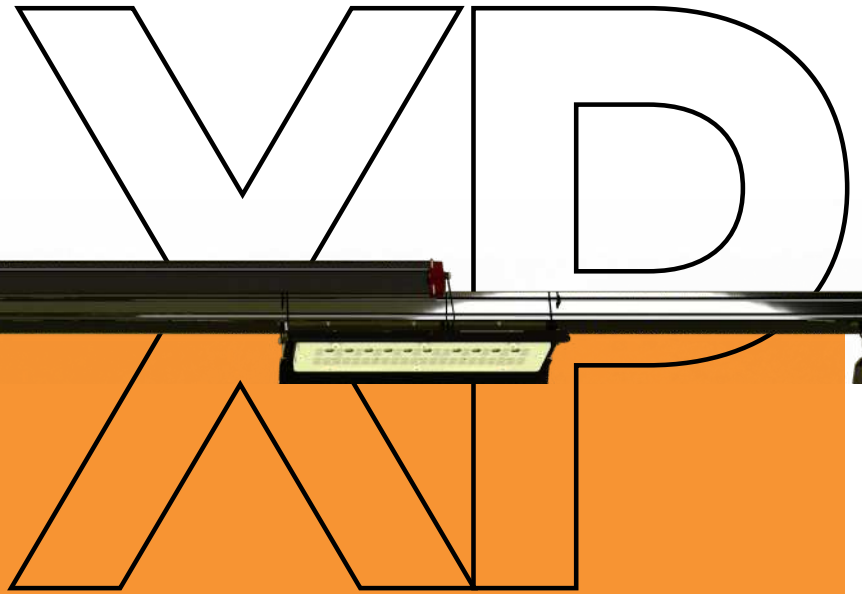


Plate XP

Powerful, variable, industrial, lighting.



Proudly manufactured in
South Africa using
European LED Technology





One



light.



So many



Variations.



Plate XP

Our premium LEDrail fittings are designed and manufactured in South Africa for South Africans. They feature high quality Italian and German components but engineered for our African climate.



kV Protection:
4kV surge protection



Indoor



SABS
Approved

102

103

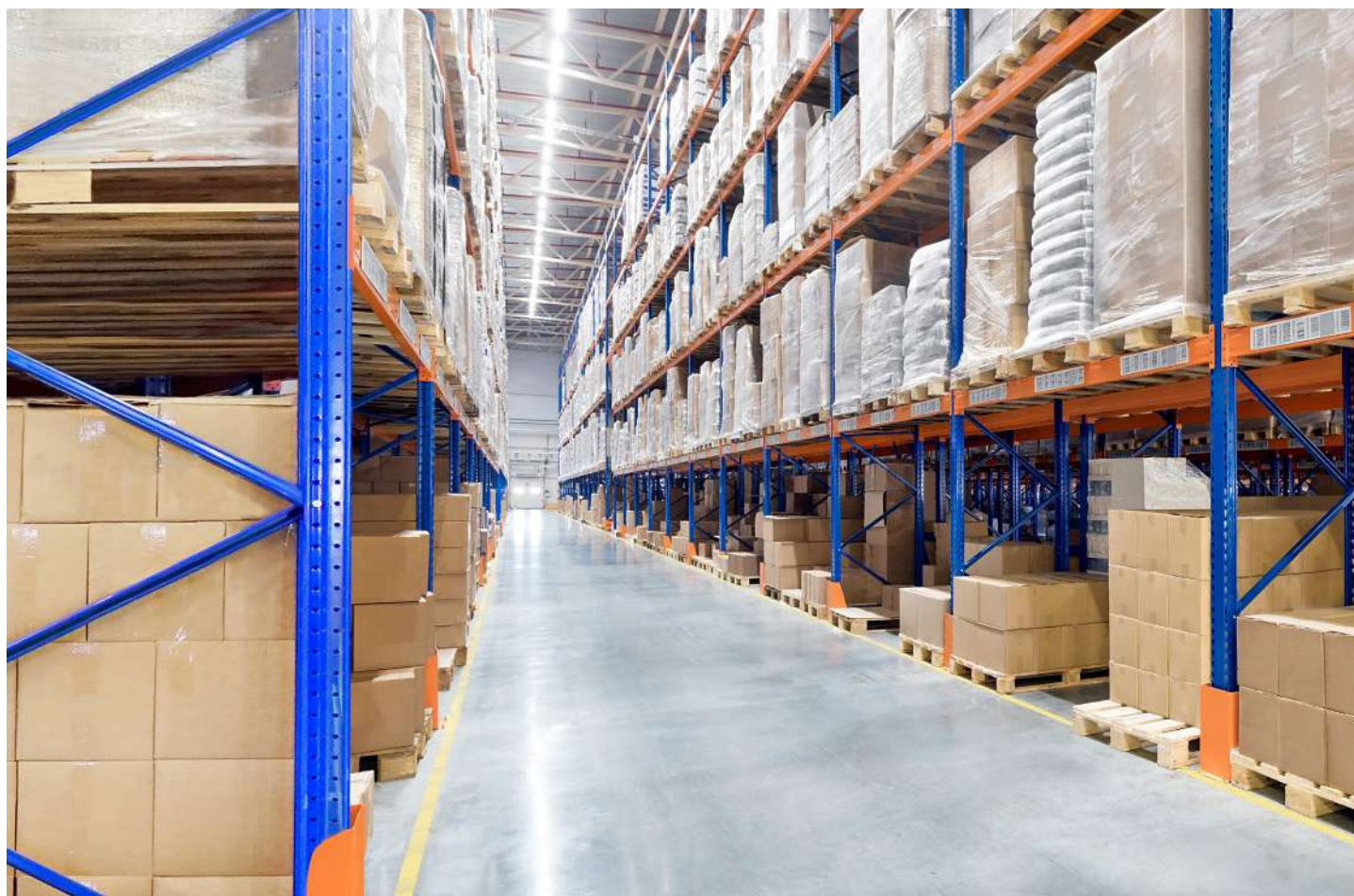
104

Raw Lumen: Effective Lumen:	22660 lm 18170 lm	33990 lm 27255 lm	45320 lm 36340 lm
240V: Raw Efficacy: Effective Efficacy:	144W 158 lm/w 127 lm/w	215W 158 lm/w 127 lm/w	287W 158 lm/w 127 lm/w
Max Ta: L&B:	35°C L90 B10 50000Hrs	35°C L90 B10 50000Hrs	35°C L90 B10 50000Hrs

Maximum distance from driver to each plate is 2m. Plate XP 102 & 103 also available as 50°C ta & 65°C ta room temperature fittings.

Contact us for more information.

info@energywise.co.za





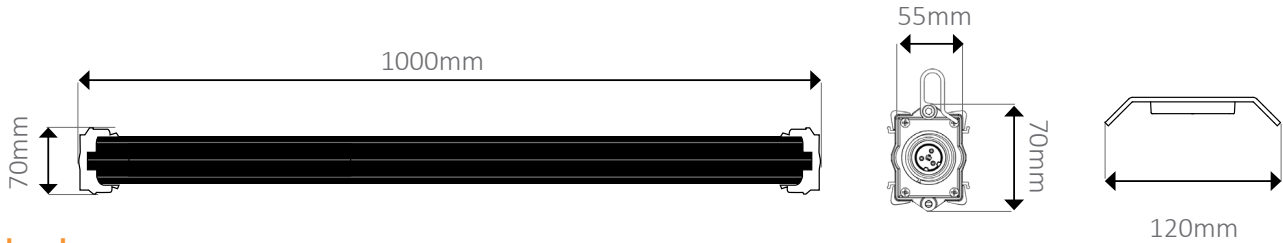
Bespoke



At Energywise, we take pride in crafting every non-electrical component in-house. Why? Because it allows us to create fixtures that perfectly embody the look and feel you desire, aligning seamlessly with your brand, your customers' preferences, or even the aesthetic of your favorite couch. We're all about making your vision a tangible, illuminated reality.

Fitting Dimensions

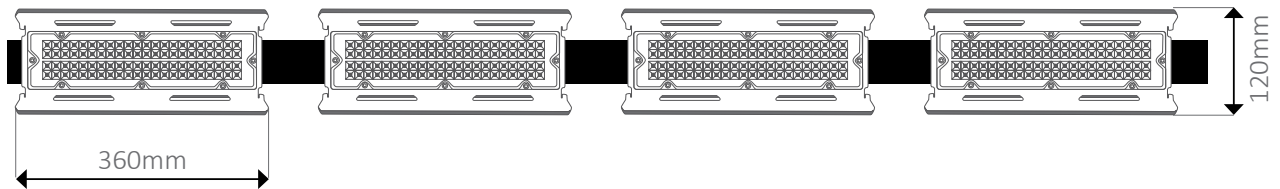
The Plkate XP, a true industrial workhorse boasting a sleek and highly functional design. Our team has painstakingly orchestrated the dimensions listed below to ensure optimal performance in any environment where this powerhouse illuminates.



Side view

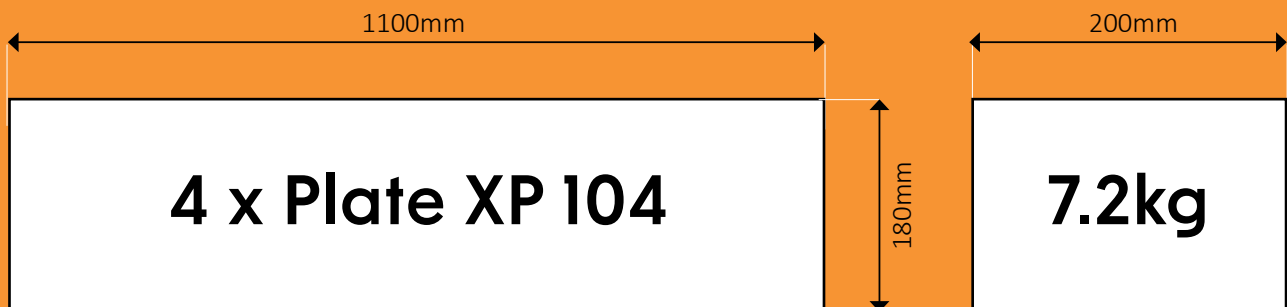


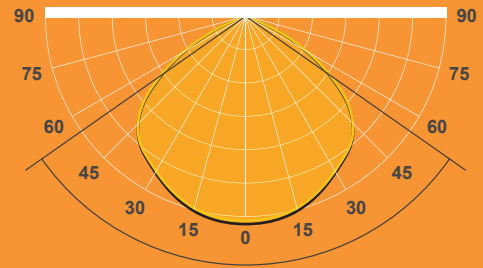
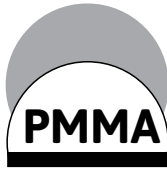
View from underneath



Packaging dimensions & weight

Our dedication shines through in our meticulous packaging design and construction, which serves as a shield and support for your precious light fittings. Smaller components are thoughtfully distributed in compact boxes, cleverly color-coded to correspond with specific sections on your engineering plans. From the initial concept to the final installation, every aspect of our product line is crafted with deliberate precision.





Wide 110°



The light you want, where you need it.

Light scallops

The presence of light scallops plays a crucial role in enhancing illumination within warehouses or sheds. When it comes to illuminating vertical surfaces, the careful management of light can make a substantial difference in how we perceive the space. Instead of aiming for dramatic shadows, our focus is on ensuring uniformity and optimal brightness to promote safety and efficiency.

In these settings, our specialized lighting solution is designed to eliminate scallops and shadows, providing even and consistent illumination throughout the entire area. This innovative approach ensures that every corner of your warehouse or shed is well-lit, creating a well-lit, productive environment that minimizes potential safety hazards.



These


4 x Bay XP 104: 16 Modules 1150w

8 x Bay XP 102: 16 Modules 1150w
General

Calculation algorithm used height of luminaire plane	Average indirect fraction
Maintenance factor	11.50 m
	0.80
Total luminous flux	145868.00 lm
Total power	1144.0 W
Total power per area (299.84 m ²)	3.82 W/m ² (1.79 W/m ² /100lx)

Evaluation area 1	Reference plane 1.1	
	Horizontal	Cylindrical
Em	213 lx	73 lx
Emin	64 lx	34 lx
Emin/Em (U _o)	0.30	0.46
Emin/Emax (U _d)	0.20	

General

Calculation algorithm used height of luminaire plane	Average indirect fraction
Maintenance factor	11.50 m
	0.80
Total luminous flux	14730400 lm
Total power	1184.0 W
Total power per area (299.84 m ²)	3.95 W/m ² (1.84 W/m ² /100lx)

Evaluation area 1	Reference plane 1.1	
	Horizontal	Cylindrical
Em	214 lx	73 lx
Emin	94 lx	43 lx
Emin/Em (U _o)	0.44	0.59
Emin/Emax (U _d)	0.31	


5 x Bay XP 103: 15 Modules 1080w

16 x Plate XP 101: 16 Modules 1150w
General

Calculation algorithm used height of luminaire plane	Average indirect fraction
Maintenance factor	11.50 m
	0.80
Total luminous flux	136750.00 lm
Total power	1075.0 W
Total power per area (299.84 m ²)	3.59 W/m ² (1.96 W/m ² /100lx)

Evaluation area 1	Reference plane 1.1	
	Horizontal	Cylindrical
Em	183 lx	64 lx
Emin	105 lx	44 lx
Emin/Em (U _o)	0.57	0.69
Emin/Emax (U _d)	0.42	

General

Calculation algorithm used height of luminaire plane	Average indirect fraction
Maintenance factor	11.50 m
	0.80
Total luminous flux	145600.00 lm
Total power	1152.0 W
Total power per area (299.84 m ²)	3.84 W/m ² (1.92 W/m ² /100lx)

Evaluation area 1	Reference plane 1.1	
	Horizontal	Cylindrical
Em	200 lx	72 lx
Emin	91 lx	41 lx
Emin/Em (U _o)	0.45	0.46
Emin/Emax (U _d)	0.37	

Expandable Highbay. Unyielding Power.

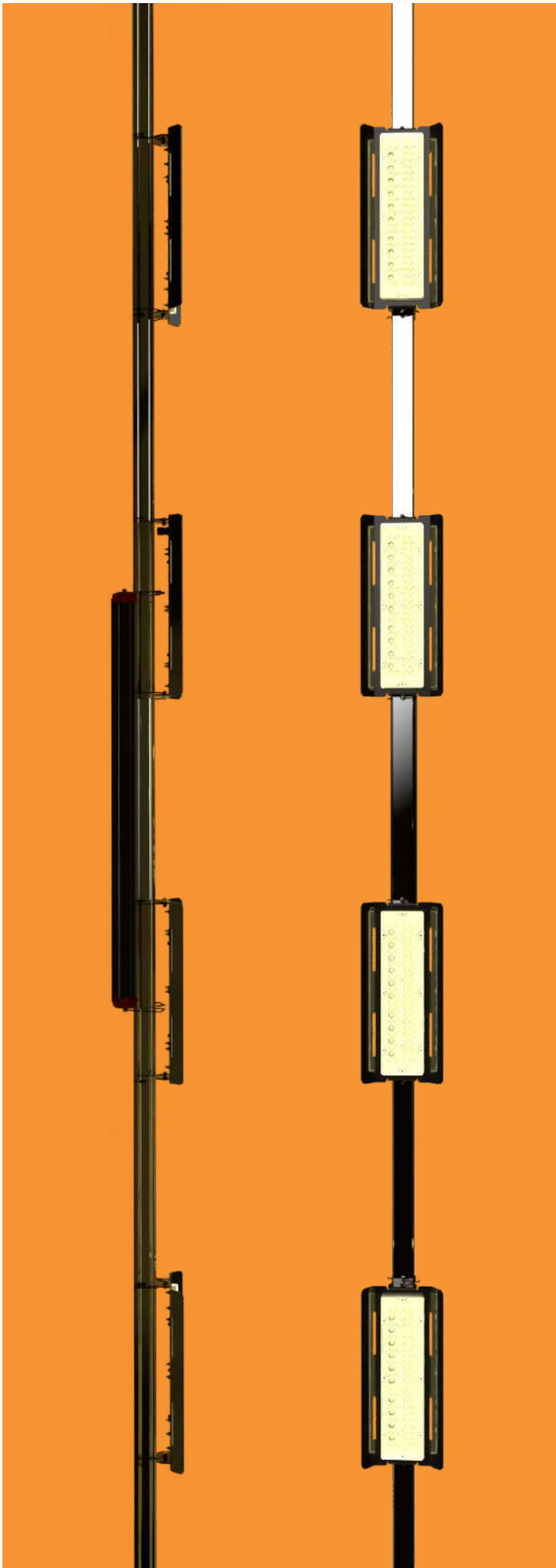
The Plate XP offers a unique feature: it can be divided into plates, allowing you to expand your lighting coverage without the need to purchase additional fixtures.

Designed to thrive in challenging industrial environments, the Plate XP provides powerful illumination from considerable heights. With a substantial lumen output and four available optics, it delivers precision lighting.

Manufactured with a durable aluminum heatsink, the Plate XP excels in heat dissipation. It also features impact-resistant lenses and protection against water and dust ingress, making it suitable for demanding conditions. Moreover, our engineering allows for customization to operate in temperatures of up to 65°C (upon request).

From hot factory floors to cold industrial spaces, the Plate XP is a reliable highbay lighting option. It comes in various sizes to match your output requirements and offers impressive lumen packages.

The Plate XP Highbay is a versatile solution designed to address practical lighting needs in industrial settings.





Features

Standard across the LEDrail 4100 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.



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

Designed and Manufactured by **energywise**

Better Light Through Research.

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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

Plate XP
Swiss army knife
of lighting.

Standard
Height: 0.35m
IP: 65
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.