

EX Pod

ZONE
21/22

ZONE
1/2

EX

IP
68

A standout luminaire with IP68 level protection & impressive operating temperature range.



This IP68 fitting is designed for durability in harsh environments and available for Zone 21/22 as well as Zone 1/2.

EX POD ZONE 1/2

EX POD ZONE 21/22

Ex db I Mb **Underground**
Ex db IIA T5 Gb **Surface**

Ex tb IIIC T85° Db IP68
MASC 5/21-2624X



INLINE OR
REMOTE DRIVER



Proudly manufactured in
South Africa using
European LED Technology



kV Protection:
4, 10, 12kV on
request

IP
68

Indoor /
Outdoor



Impact
Resistance:
IK08/5J



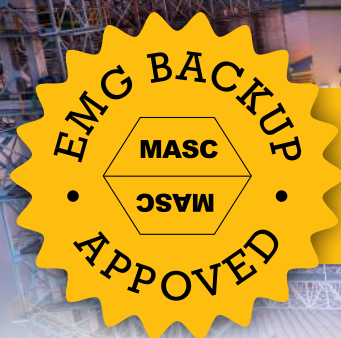
5 Year
Warranty*
*Terms and conditions
apply.

energywise

Better light
through research.

INTRODUCING

MAX-OUTPUT EX POD AVAILABLE IN
REMOTE DRIVER OR INLINE DRIVER
CONFIGURATIONS.



EX APPROVED INTERGRATED
EMG BACKUP BATTERY
AVAILABLE (ON REQUEST).



This IP68 fitting is designed for
durability in harsh environments and
available for Zone 1/2 as well as
Zone 21/22.

Our EX Pod is the perfect combination of durability and output. Housed inside an impact resistant polycarbonate tube and available for Zone 21 and 22 locations which are hazardous because of the presence of combustible dust and fibers and Zone 1 or 2 which are hazardous due to the presence of combustible liquids or gases.

Our EX fittings are manufactured using approved EX technology sourced from the leading component manufacturers in Europe. We then put the new luminaries through months of testing to ensure that the final product could deliver against our exacting specifications.

The final result, an EX light several years in the making, yet on the very tip of the latest technological advancements in LED EX light technology, available today.

KEY FEATURES

MODULAR

- With extra Lumen Packages up to 19 000 lm

SIZE OPTIONS

- EX Pod 102 - 1160mm
- EX Pod 103 - 1440mm
- EX Pod 104 - 1720mm
- EX Pod 105 - 2000mm
- EX Pod 106 - 2280mm
- EX Pod 108 - 2440mm

CASING

- Impact rating IK08/5J (ZONE 21/22)
- Impact rating IK08/10J (ZONE 1/2)

TEMPERATURE

- Ambient room temperature -25°C to +35°C.



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

Specifications sheet for the FROSTED POD



kV Protection:
4, 10, 12kV on request



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



**Indoor /
Outdoor**



**Impact
Resistance:**
IK08/5J



**Casing
Diffuser:**
Polycarbonate



Modular:
Expandable
system



L&B Life Rating
L90 B10 35 000 Hrs
L80 B10 70 000 Hrs

Different wattage, length & lumen options

Pro | **Reliable
Performance**

IN-LINE DRIVER OR REMOTE DRIVER

Raw Lumen:	5 884 lm	6 724 lm
Effective Lumen:	4 104 lm	4 728 lm
Wattage:	34W	44W
Power Factor:	0.95	0.95
Raw Efficacy:	176 lm/w	154 lm/w
Effective Efficacy:	123 lm/w	108 lm/w
Max Ta:	40°C	40°C
L90 B10 35 000 Hrs		
L80 B10 70 000 Hrs		

1320mm x 50mm

EX POD 104

Raw Lumen:	7 355 lm	8 405 lm
Effective Lumen:	5 130 lm	5 910 lm
Wattage:	42W	55W
Power Factor:	0.95	0.95
Raw Efficacy:	176 lm/w	154 lm/w
Effective Efficacy:	123 lm/w	108 lm/w
Max Ta:	40°C	40°C
L90 B10 35 000 Hrs		
L80 B10 70 000 Hrs		

1600mm x 50mm

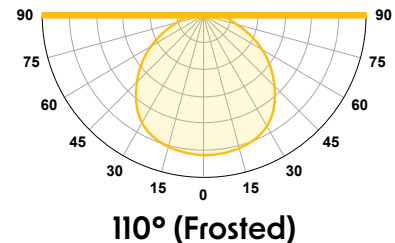
EX POD 105

Raw Lumen:	8 826 lm	10 086 lm
Effective Lumen:	6 156 lm	7 092 lm
Wattage:	50W	66W
Power Factor:	0.95	0.95
Raw Efficacy:	176 lm/w	154 lm/w
Effective Efficacy:	123 lm/w	108 lm/w
Max Ta:	40°C	40°C
L90 B10 35 000 Hrs		
L80 B10 70 000 Hrs		

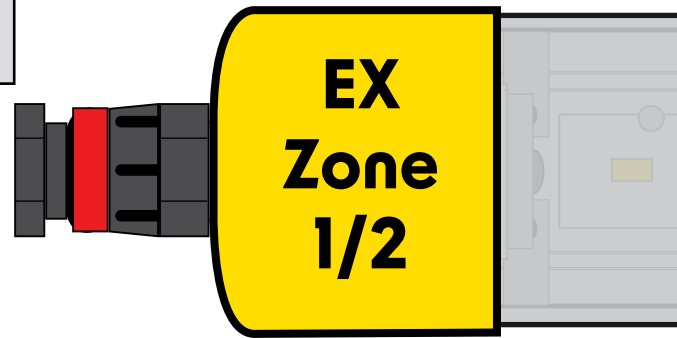
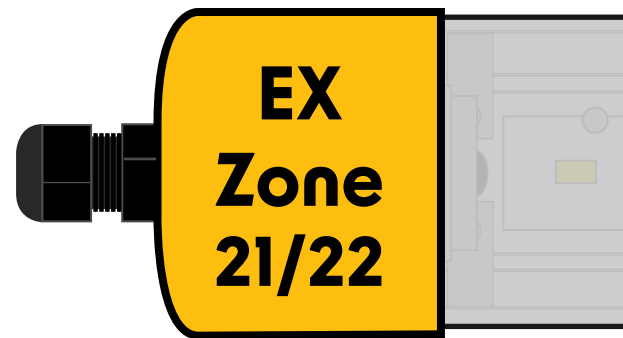
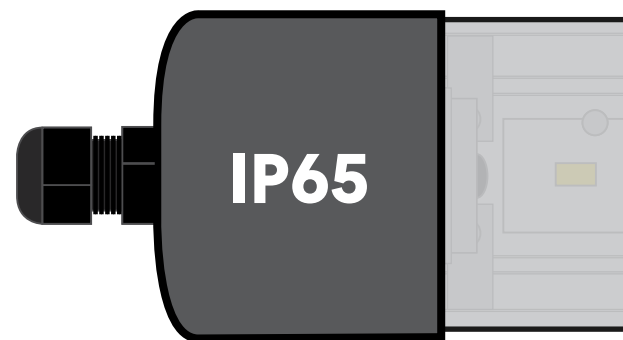
1880mm x 50mm

EX POD 106

Distribution option



3 Different protection grade options



FROSTED DIFFUSER

Zone 1/2 Available in:

Group I: Mining applications
(methane and coal dust risks)

Group IIA: Surface industries
(general industrial gases like propane)



Specifications sheet for the CLEAR POD



kV Protection:
4, 10, 12kV on request



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



**Indoor /
Outdoor**



**Impact
Resistance:**
IK08/5J



**Casing
Diffuser:**
Polycarbonate



Modular:
Expandable
system



L&B Life Rating
L90 B10 35 000 Hrs
L80 B10 70 000 Hrs

Different wattage, length & lumen options

Max

 | High Output

IN-LINE DRIVER

Raw Lumen:	8 156 lm	11 200 lm
Effective Lumen:	6 984 lm	9 500 lm
Wattage:	45W	64W
Power Factor:	0.95	0.95
Raw Efficacy:	182 lm/w	176 lm/w
Effective Efficacy:	156 lm/w	149 lm/w
Max Ta:	40°C	40°C
L90 B10 35 000 Hrs		
L80 B10 70 000 Hrs		

1770mm x 50mm

EX POD 104

SPLIT PIGGY-BACK / REMOTE DRIVER

Raw Lumen:	8 156 lm	11 200 lm
Effective Lumen:	6 984 lm	9 500 lm
Wattage:	45W	64W
Power Factor:	0.95	0.95
Raw Efficacy:	182 lm/w	176 lm/w
Effective Efficacy:	156 lm/w	149 lm/w
Max Ta:	40°C	40°C
L90 B10 35 000 Hrs		
L80 B10 70 000 Hrs		

1320mm x 50mm

EX POD 104

Raw Lumen:	16 312 lm	22 400 lm
Effective Lumen:	13 968 lm	19 000 lm
Wattage:	90W	128W
Power Factor:	0.95	0.95
Raw Efficacy:	182 lm/w	176 lm/w
Effective Efficacy:	156 lm/w	149 lm/w
Max Ta:	40°C	40°C
L90 B10 35 000 Hrs		
L80 B10 70 000 Hrs		

2440mm x 50mm

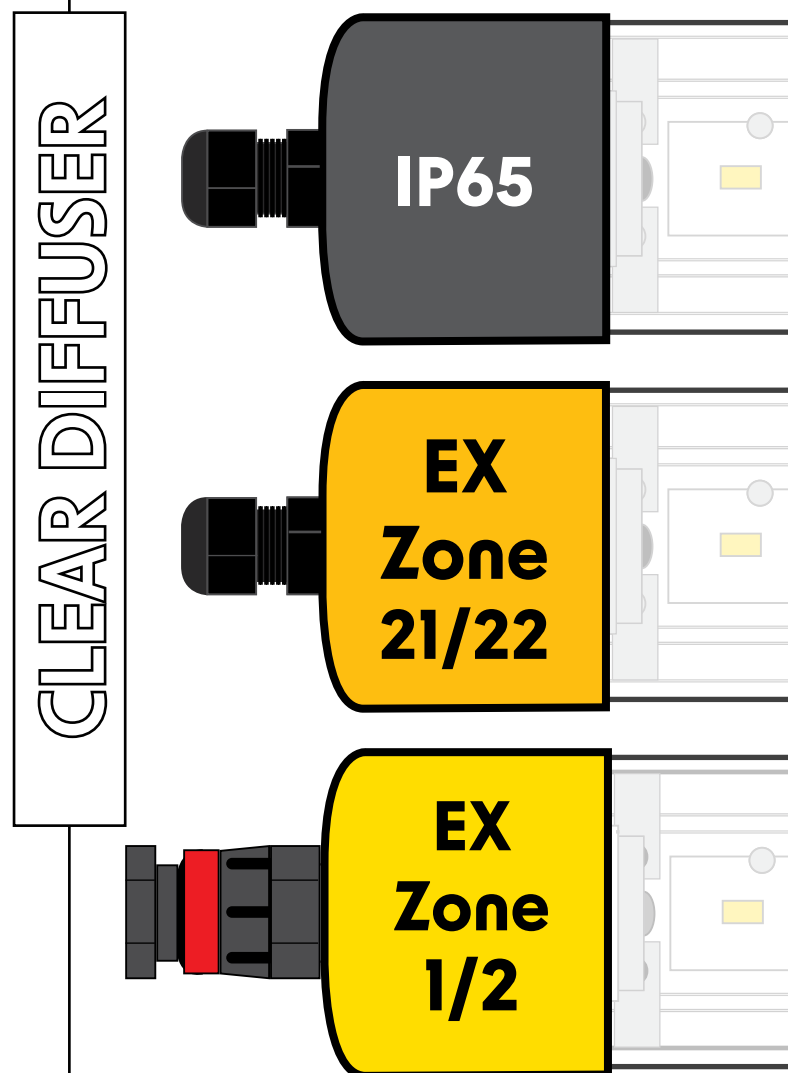
EX POD 108

Distribution option

Available in:

- 50°
- 80°
- 100°
- 110°

3 Different protection grade options



Zone 1/2 Available in:

Group I: Mining applications
(methane and coal dust risks)

Group IIA: Surface industries
(general industrial gases like propane)



EX POD Matrix

POD with remote driver unit



Light Module
(+ 2x caps)

Driver Module
(+ 2x caps)

760mm	590mm
1040mm	590mm
1320mm	590mm
1600mm	590mm
1880mm	590mm
2160mm	590mm
2440mm	590mm

*Dimensions are including end caps.

POD with remote driver + EMG



Light Module
(+ 2x caps)

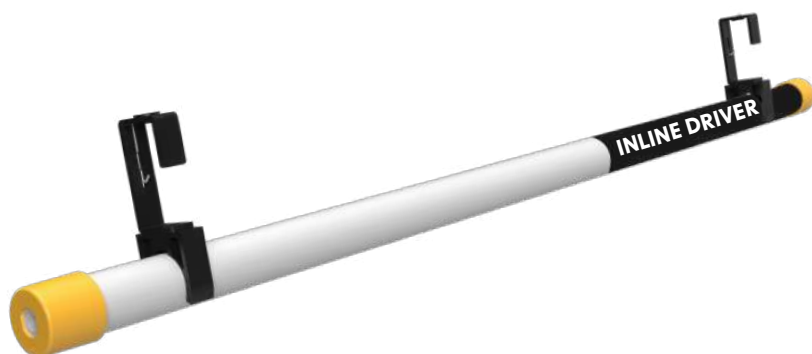
Driver Module
(+ 2x caps)

**32mm Battery
Tube (+ 2x caps)**

760mm	1025mm	240mm
1040mm	1025mm	240mm
1320mm	1025mm	240mm
1600mm	1025mm	240mm
1880mm	1025mm	240mm
2160mm	1025mm	240mm
2440mm	1025mm	240mm

*Dimensions are including end caps.

POD with built in, inline driver



Light Portion
(+ 1x cap)

Full length
(+ 2x caps)

685mm	1160mm
965mm	1440mm
1245mm	1720mm
1525mm	2000mm
1805mm	2280mm
2035mm	2510mm

*Dimensions are including end caps.

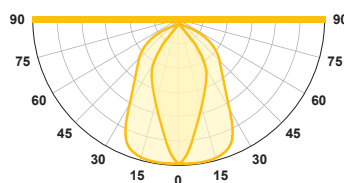
Illustrations are not to scale

Distribution Options for CLEAR pod

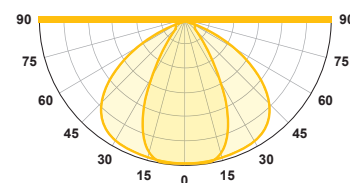
Precision Lighting for Hazardous Environments.

Optimal Illumination, Exactly Where You Need It Our Zone 21/22 and Zone 1/2 LED luminaires offer precise light distribution for hazardous environments, maximizing visibility while minimizing glare. They feature specialized optics that effectively direct light, reducing waste and enhancing safety.

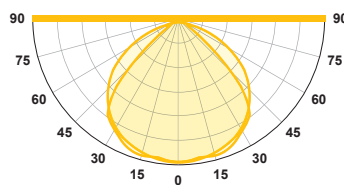
Available in various beam angles (80°, 100°, 110°, and asymmetrical for vertical illumination), they are ideal for targeted aisle lighting, deep rack storage, wide-area coverage, and optimized vertical illumination for shelving. Made with premium European components, these fixtures ensure durability and high-performance lighting in demanding industrial and commercial settings.



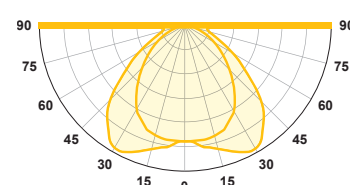
50° Clear
(With lenses 30°)



80° Clear
(With lenses 60°)



100° Clear
(With lenses 90°)



110° Clear
(No lenses)



A Closer Look

Engineered to the highest standards.

Housing

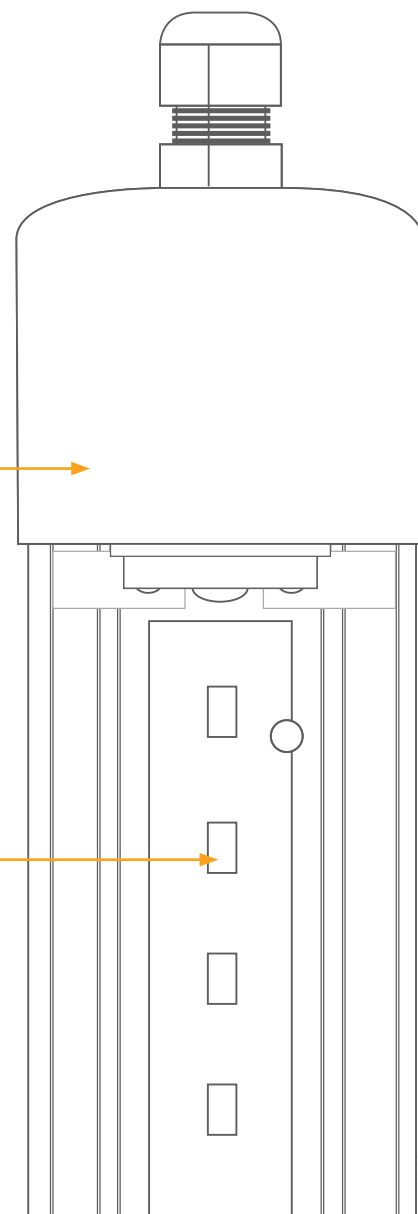
Designed & engineered using polycarbonate for harsh environments.

Driver

Only the highest quality drivers from Europe with F3, 4kV, 100K hours. Driver can either be housed within the LED tube or piggy backed in a separate tube above the LEDs.

LEDs

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



Installation Configurations Option:

Suspended | Easy to install , **Saving** you time & money

1.7 metre In line Configuration



P2000 Mounting Bracket

The mounting bracket can also be mounted on a P2000 using claws.

1

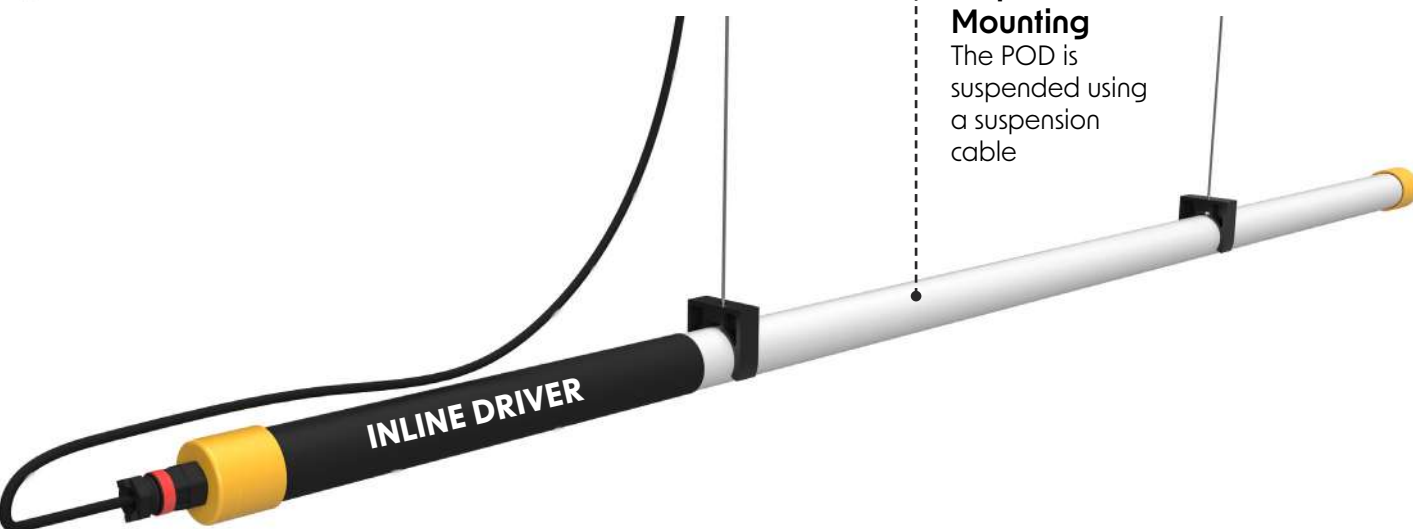
Wall & Ceiling Mounting

The omega bracket mounted directly on the wall or ceiling.

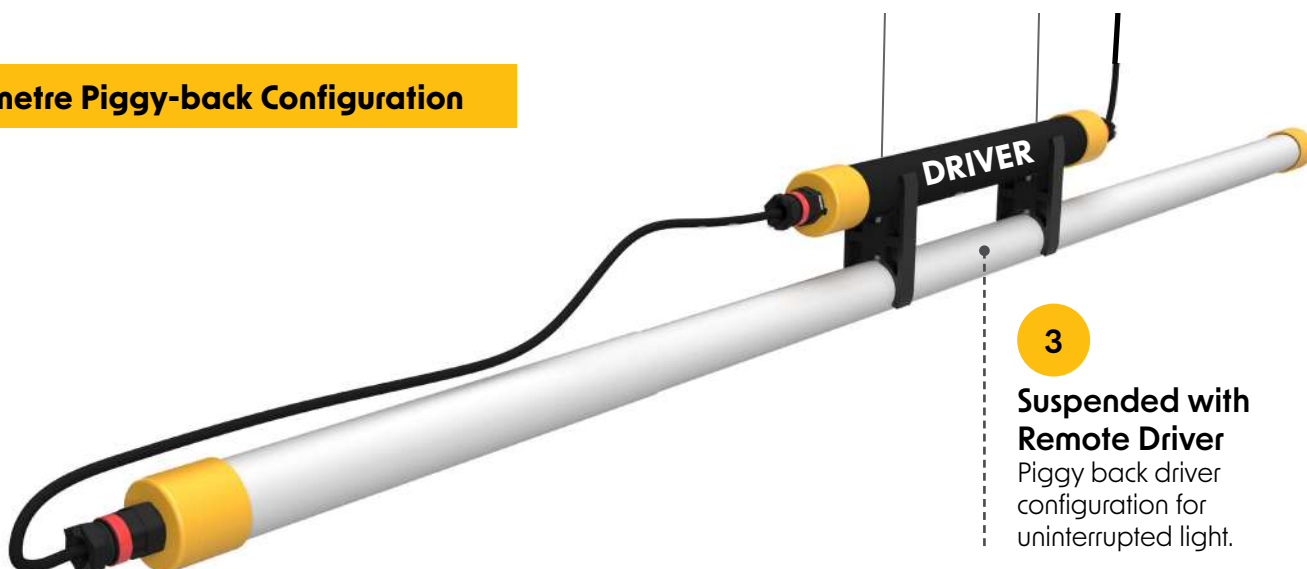
2

Suspended Mounting

The POD is suspended using a suspension cable



1.7 metre Piggy-back Configuration



3

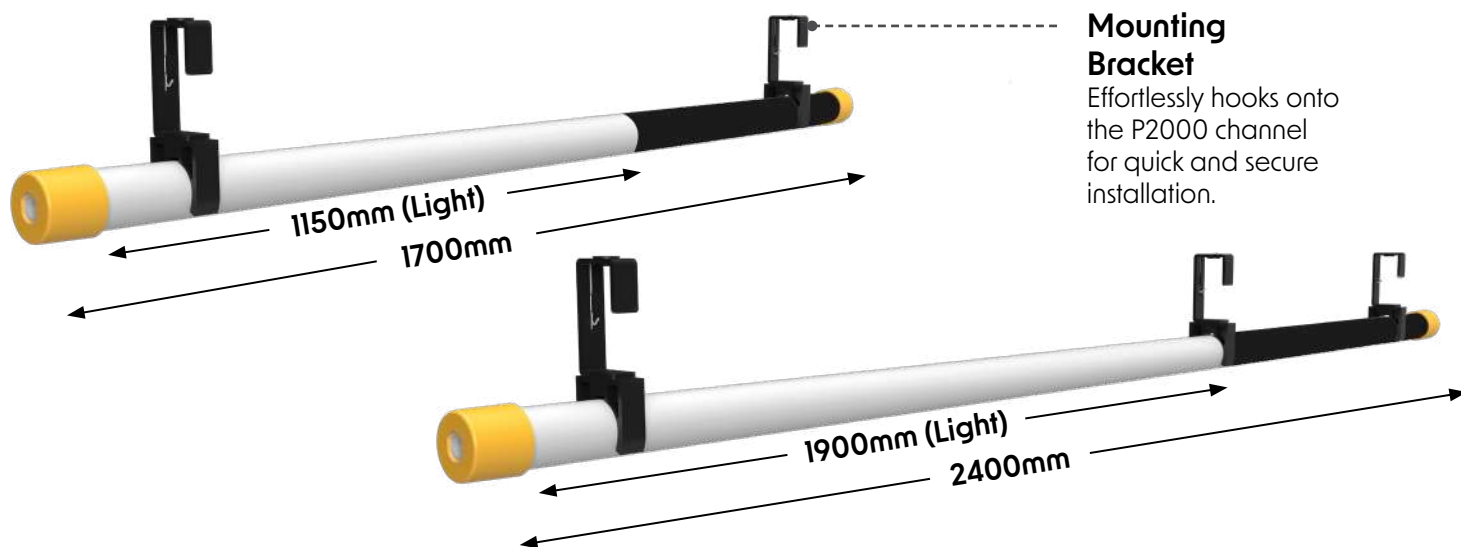
Suspended with Remote Driver

Piggy back driver configuration for uninterrupted light.

Installation Configurations Option:

P2000 | Easy to install, **Saving** you time & money

1.7 & 2.4 metre In line Configuration



2.4 metre Piggy-back Configuration



1.2 metre Piggy-back Configuration



2

Versatile Mounting Bracket

The bracket also accommodates the driver, providing a convenient all-in-one mounting solution.

Features

Standard across the EX Pod range.



Indoor / Outdoor



Polycarbonate encapsulation.



Colour temperature 5600K



Colour rendition index 80+



L&B Life Rating: L90 B10 35 000 Hrs
L80 B10 70 000 Hrs



Earth connection and CLASS I insulation fixture.



Optic impact rating IK08/5J.



Surge protection: 4, 10, **12kV on request.**



Suspended/pendent mount.



Plug & Play



Modular



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

Extras

Optional Extras



IES files available.



EMG Battery Backup

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.

Effective Lumen Output After Warm-up

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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 Ibhumbesi Road, Riverhorse Valley, Durban, South Africa, 4017

Postal address: PO Box 1166, Kloof, South Africa, 3640



**MASC
CERTIFIED**



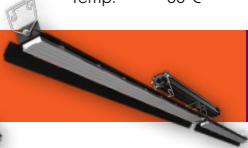
**MADE IN
SOUTH AFRICA**

Energywise lighting options

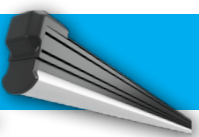
Energywise specialises in LED luminaries for industrial, EX, commercial and horticultural applications.

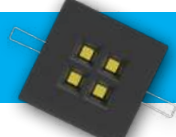
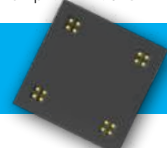
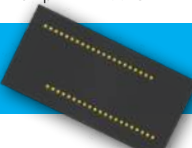
INDUSTRIAL

						
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

						
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.