

Pod IP65

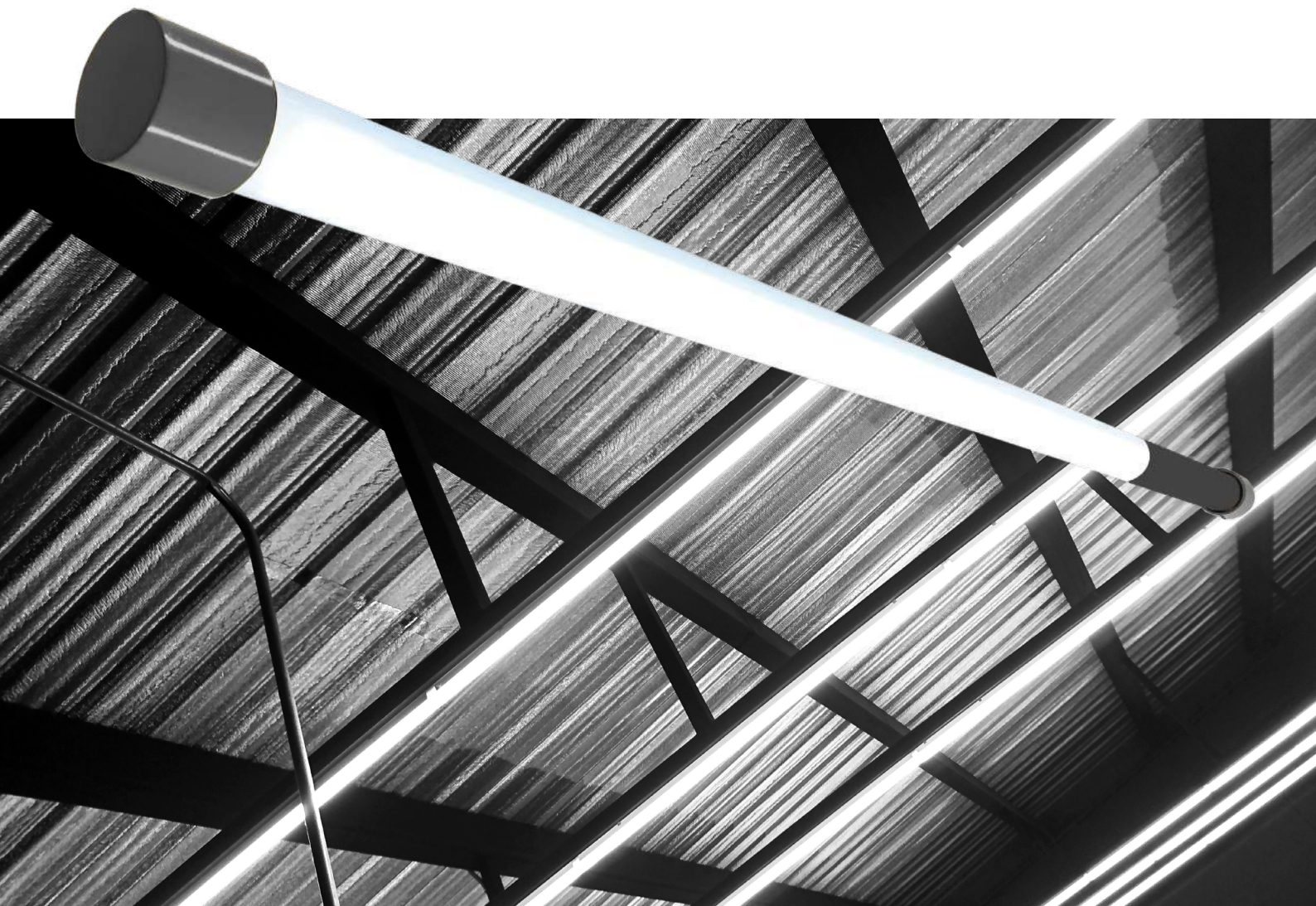
A standout luminaire with IP65 level protection.



Industrial

IP 65

The POD IP65 is built for extreme durability, featuring a near-indestructible polycarbonate tube for exceptional impact resistance. Designed for harsh environments, it withstands dust, moisture, and tough conditions. With clear or frosted diffusers, various lengths, and a clip-and-go suspension system, it ensures reliable, hassle-free lighting wherever durability is essential.



Proudly manufactured in
South Africa using
European LED Technology



kV Protection:
4kV Standard
10kV on request

IP
65

Indoor /
Outdoor



Impact
Resistance:
IK08/5J



5 Year
Warranty

energywise

Better light
through research.

INTRODUCING



This IP65 fitting is built for toughness in harsh environments—tamperproof and nearly unbreakable.

Our Pod IP65 is the perfect combination of durability and output. Housed inside an impact resistant polycarbonate tube with an IP65 protection grade, tamperproof and nearly unbreakable.

Our fittings are manufactured using approved industrial 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, a light fitting several years in the making, yet on the very tip of the latest technological advancements in LED light technology, available today.

KEY FEATURES

MODULAR

- With extra Lumen Packages up to 21,000 lm by pairing multiple pods.

4 SIZE OPTIONS

- Pod IP65 1420mm
- Pod IP65 1700mm
- Pod IP65 1980mm
- Pod IP65 2260mm

CASING

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

TEMPERATURE

- Ambient room temperature -25°C to +40°C.



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



Cheat sheet for the FROSTED OR CLEAR POD



kV Protection:
4kV Standard
10kV on request



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



**Indoor /
Outdoor**



**Impact
Resistance:**
IK08/5J



**Casing
Diffuser:**
Polycarbonate



L&B Rating
L80/90 B10
30 000 hrs



Mounting:
Suspended/
pendant

8 Different wattage, length & lumen options

LOW OUTPUT HIGH OUTPUT

Raw Lumen:	4410 lm	5150 lm
Effective Lumen:	3080 lm	3550 lm
Wattage:	25W	33W
Power Factor:	0.95	0.95
Raw Efficacy:	176 lm/w	157 lm/w
Effective Efficacy:	123 lm/w	108 lm/w
Max Ta:	35°C	35°C
L&B:	L90 B10	L80 B10

1420mm x 50mm

POD 103

Raw Lumen:	5890 lm	6870 lm
Effective Lumen:	4100 lm	4730 lm
240V:	34W	44W
Power Factor:	0.95	0.95
Raw Efficacy:	176 lm/w	157 lm/w
Effective Efficacy:	123 lm/w	108 lm/w
Max Ta:	35°C	35°C
L&B:	L90 B10	L80 B10

1700mm x 50mm

POD 104

Raw Lumen:	7360 lm	8590 lm
Effective Lumen:	5130 lm	5910 lm
240V:	42W	55W
Power Factor:	0.95	0.95
Raw Efficacy:	176 lm/w	157 lm/w
Effective Efficacy:	123 lm/w	108 lm/w
Max Ta:	35°C	35°C
L&B:	L90 B10	L80 B10

1980mm x 50mm

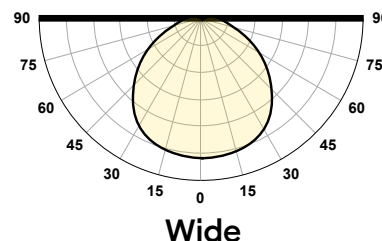
POD 105

Raw Lumen:	8830 lm	10,300 lm
Effective Lumen:	6160 lm	7100 lm
240V:	50W	66W
Power Factor:	0.95	0.95
Raw Efficacy:	176 lm/w	157 lm/w
Effective Efficacy:	108 lm/w	108 lm/w
Max Ta:	35°C	35°C
L&B:	L90 B10	L80 B10

2260mm x 50mm

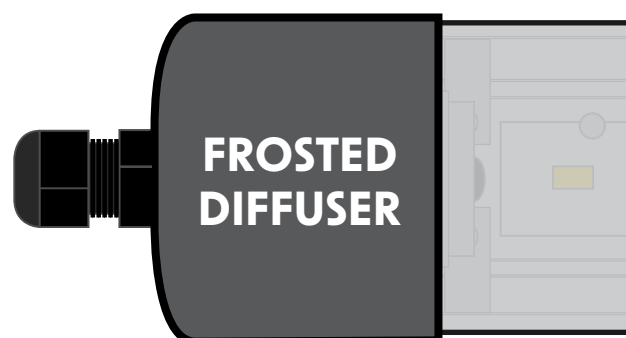
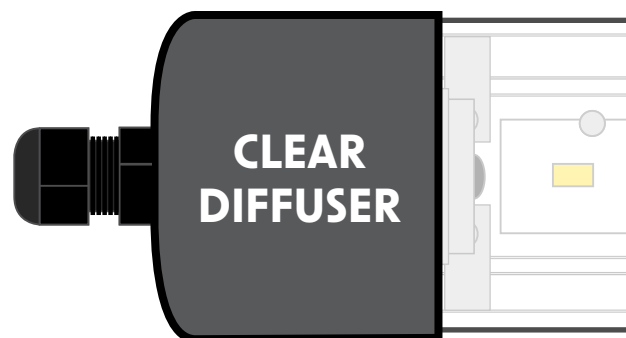
POD 106

Distribution option



IP65 protection grade

FROSTED OR CLEAR DIFFUSER

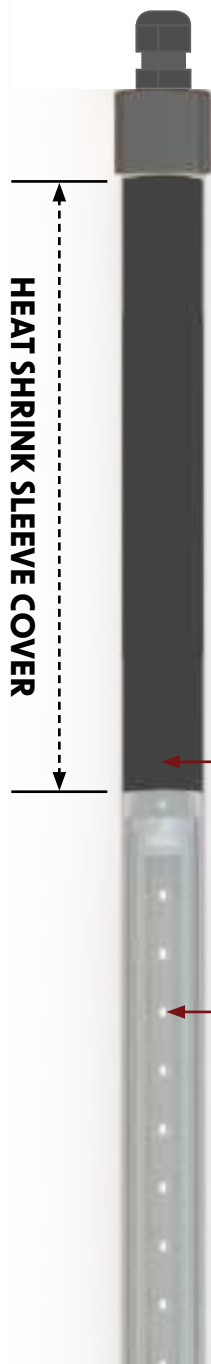
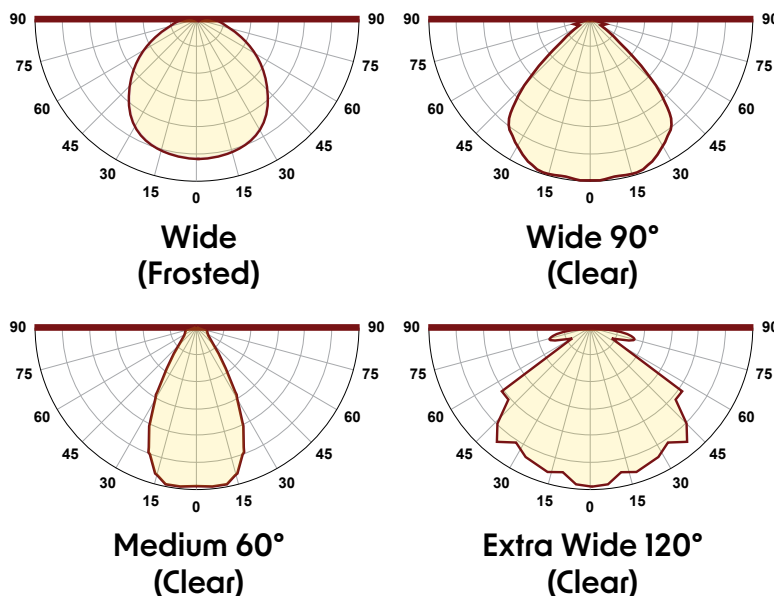


Distribution Options

The illumination you need, precisely where you need it.

LED Dustproof Fixtures are engineered to safeguard your LEDs while delivering dependable, energy-efficient lighting for designated areas, surfaces, and objects. These adaptable luminaires are well-suited for both indoor and outdoor environments, offering more than just broad illumination—they provide precise, consistent lighting exactly where it's required.

Ideal for corridors, walkways, and parking areas, these fixtures create a well-lit yet visually comfortable setting. Constructed with high-quality materials and components sourced from top European manufacturers, our LED Dustproof Fixtures are designed for durability, superior performance, and long-term reliability.



A Closer Look

Engineered to the highest standards.

Housing

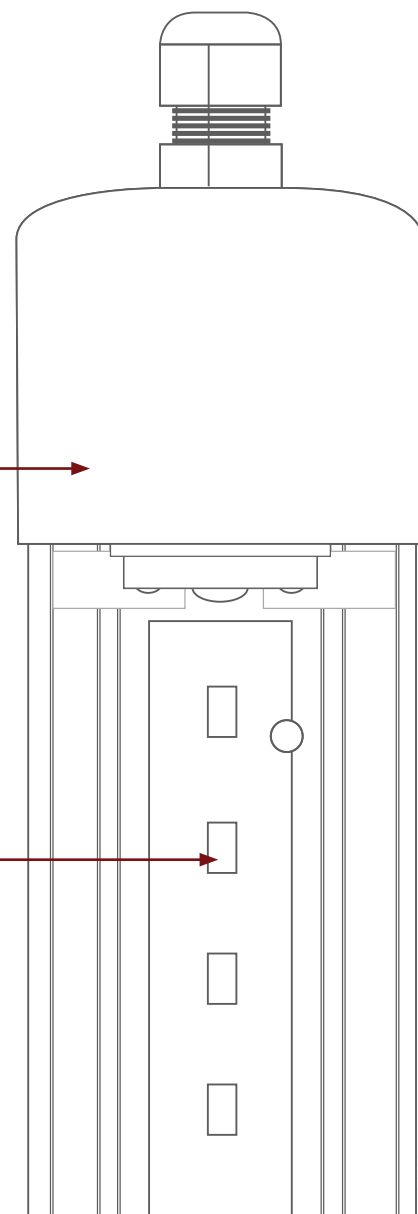
Designed & engineered using polycarbonate for harsh environments.

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.

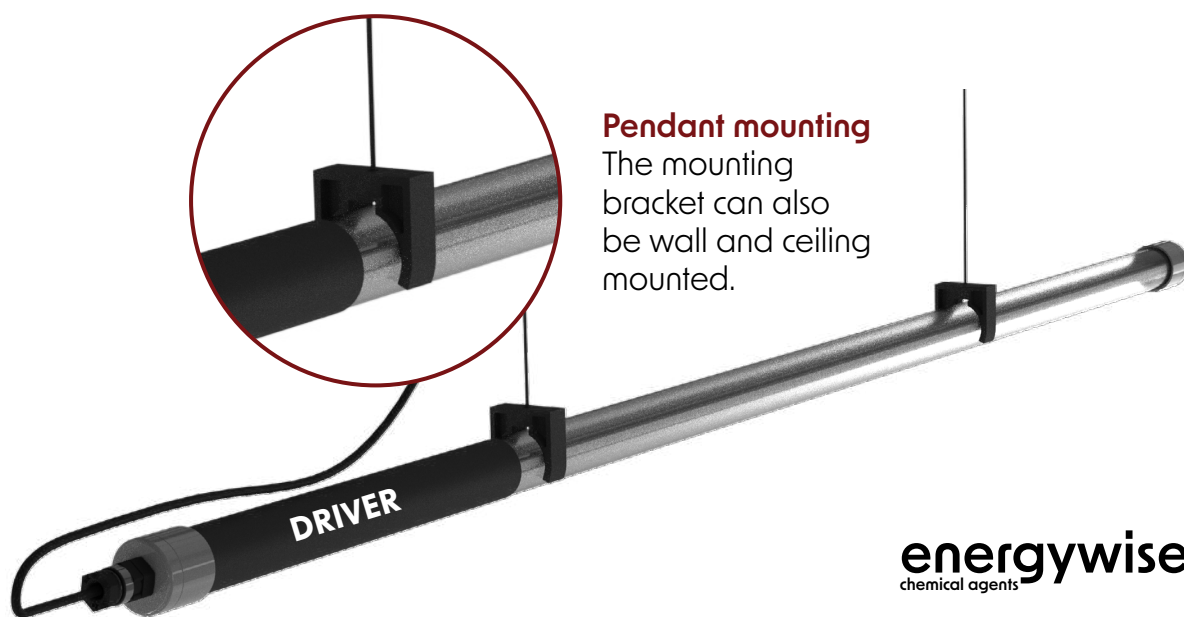
LEDs

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



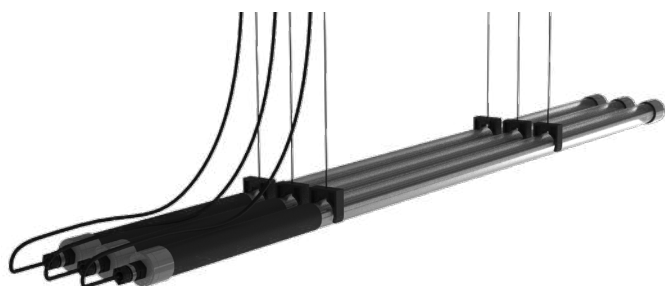
Installation & Configurations

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

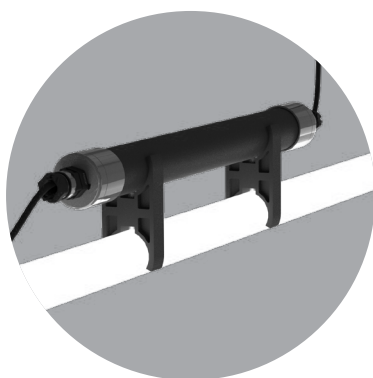


Pendant mounting

The mounting bracket can also be wall and ceiling mounted.



Banking / Stacking - For increased lumen output.



Remote Driver / Control Gear - Piggy back driver configuration for uninterrupted light.

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).

energywise

chemical agents

Resistance key:

✓ Resistant ◉ Relatively Resistant ⊗ Non-resistant

Chemical agent	Polycarbonate	Aluminum
Acetic acid 10%	✓	✓
Acetone	⊗	✓
Alcoholic beverages	✓	✓
Aluminum sulphate	✓	✓
Ammonia 5%	⊗	✓
Aniline	⊗	✓
Arsenic acid 20%	✓	✓
Benzene	⊗	✓
Benzyl alcohol	⊗	◉
Benzyl	⊗	✓
Bromine	⊗	⊗
Calcium Chloride	✓	✓
Calcium nitrate	✓	✓
Carbon tetrachloride	⊗	✓
Carbonic acid	⊗	✓
Caustic potash	⊗	⊗
Cement	✓	✓
Chlorhydric acid 1-5%	✓	⊗
Chlorine liquids (vapours)	⊗	⊗
Chloroform	⊗	✓
Chromic acid	⊗	⊗
Citric acid 20%	✓	✓
Copper sulphate	✓	⊗
Diesel-naphtha oil	⊗	✓
Ethyl alcohol	✓	✓
Ethyl chloride	⊗	⊗
Ethyl ether	⊗	✓
Food oils and fats	⊗	✓
Formic acid 10%	✓	⊗
Glycerine	✓	✓
Hexane	✓	✓
Iodine	⊗	⊗
Iron chloride	✓	⊗
Isopropyl alcohol	⊗	✓
Lubricating oil	✓	✓
Magnesium sulphate	✓	✓
Methanol	⊗	✓
Mineral oils	✓	✓
Nitric acid 20%	⊗	⊗
Oxygen	✓	✓
Ozone	✓	✓
Perchloric acid 10%	✓	⊗
Petrol	⊗	✓
Phenol	⊗	✓
Potassium bromide	✓	⊗
Potassium nitrate	✓	✓
Potassium permanganate	✓	✓
Sea climate	✓	⊗
Silicon oils	✓	✓
Soda bleach 15%	⊗	⊗
Sodium chloride	✓	⊗
Sodium hydroxide 5%	⊗	⊗
Sodium sulphate	✓	✓
Sugar	✓	✓
Sulphur	✓	✓
Sulphuric acid 30%	✓	⊗
Toluene	⊗	✓
Trichloroethylene	⊗	✓
Zinc sulphate	✓	⊗

Features

Standard across the Pod IP65 range.



Indoor / Outdoor



Polycarbonate encapsulation.



Colour temperature 5600K



Colour rendition index 80+



L&B Life Rating: L80/90 B10, 30 000 hrs



Earth connection and CLASS I insulation fixture.



Optic impact rating IK08/5J.



Voltage surge protection up to 4kV.



Suspended/pendent mount.



Plug & Play



Modular



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

Extras

Optional Extras



IES files available.



VOLTpro



10kV replaceable surge protection.

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.

Designed and
Manufactured by

energywise

**Better Light
Through Research.**

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Energywise lighting options

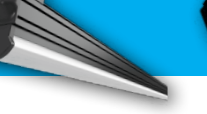
Energywise specialises in LED luminaries for industrial, EX, commercial and horticultural applications.

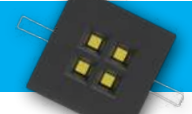
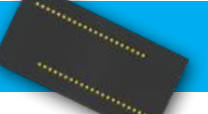
INDUSTRIAL

						
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.