Pod IP65

## A standout luminaire with IP65 level protection.

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.
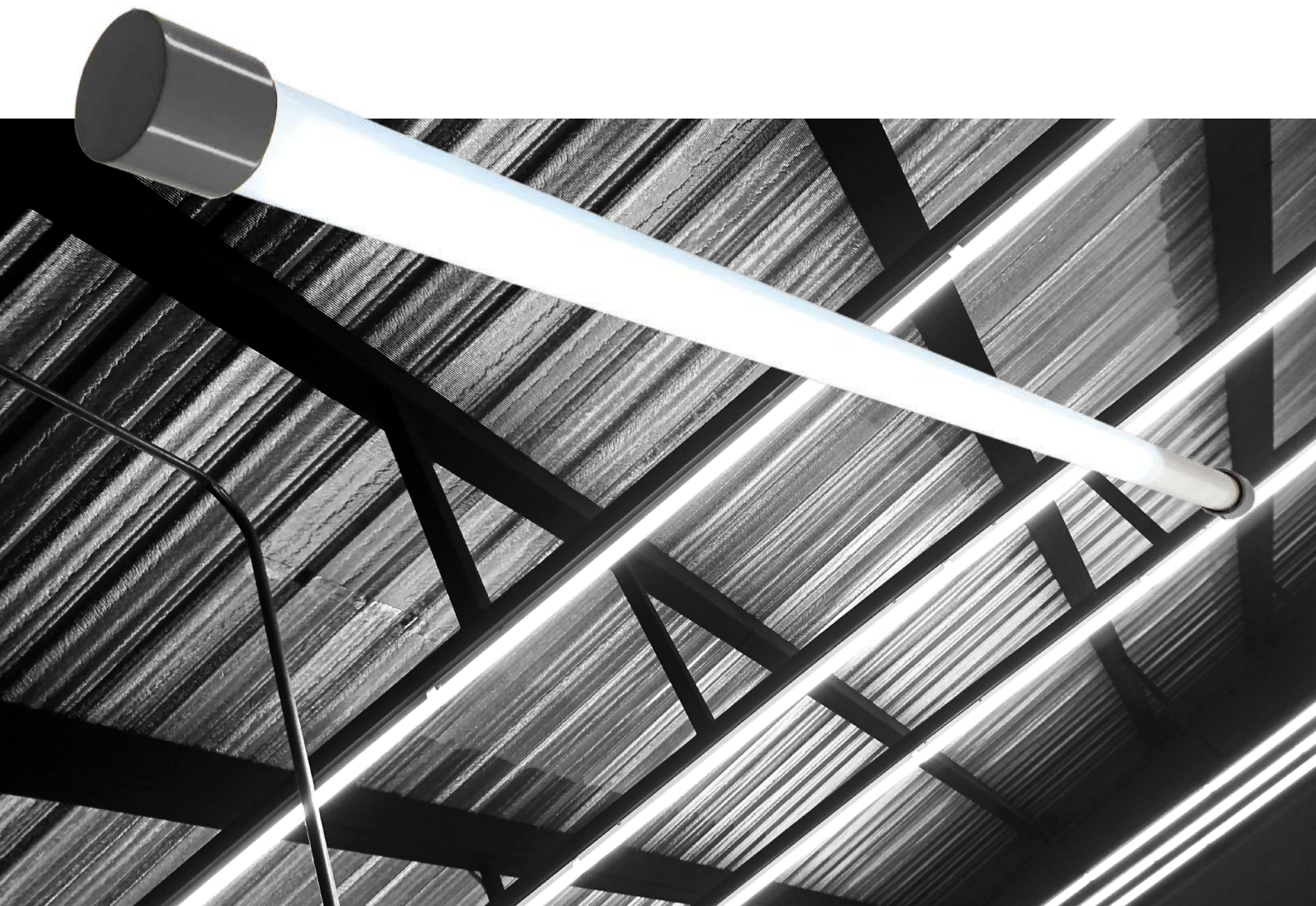
5 YEAR WARRANTY*

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

4kv

kV Protection:
4kV Standard
10kV on request

IP 65

Indoor /
Outdoor

IK08/5J

Impact Resistance:
IK08/5J

5 YEAR WARRANTY*

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.

Design & Tested here*

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

ew

Cheat sheet for the FROSTED OR CLEAR POD

4kv

kV Protection:
4kV Standard
10kV on request

KELVIN

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

IP 65

**Indoor /
Outdoor**

IK08/5J

**Impact
Resistance:**
IK08/5J

PC

**Casing
Diffuser:**
Polycarbonate

L&B

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

POD 103

1420mm x 50mm

	LOW OUTPUT	HIGH OUTPUT
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

POD 104

1700mm x 50mm

	LOW OUTPUT	HIGH OUTPUT
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

POD 105

1980mm x 50mm

	LOW OUTPUT	HIGH OUTPUT
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

POD 106

2260mm x 50mm
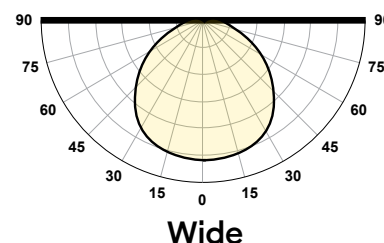
FROSTED OR CLEAR DIFFUSER

Distribution option

90   90
75   75
60   60
45   45
30   30
15   15
0

Wide

IP65 protection grade

**CLEAR
DIFFUSER**

**FROSTED
DIFFUSER**
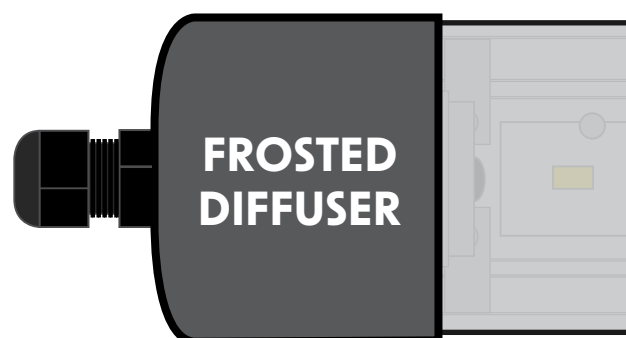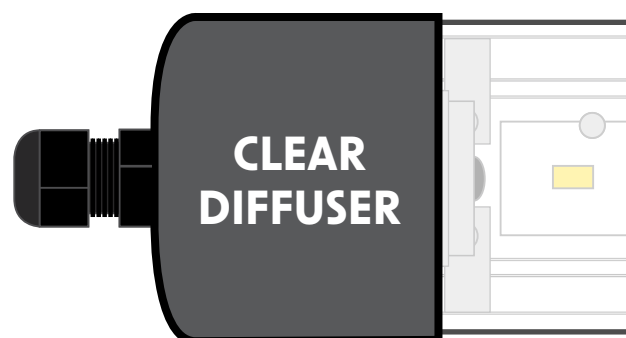
Distribution Options
The illumination you need, precisely where you need it.

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.

Wide (Frosted)

Wide 90° (Clear)

Medium 60° (Clear)

Extra Wide 120° (Clear)
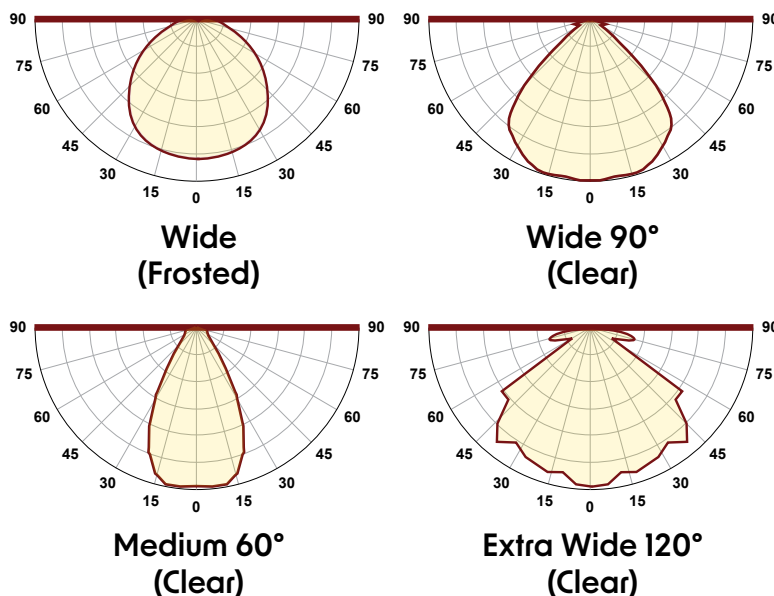
A Closer Look

## 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.
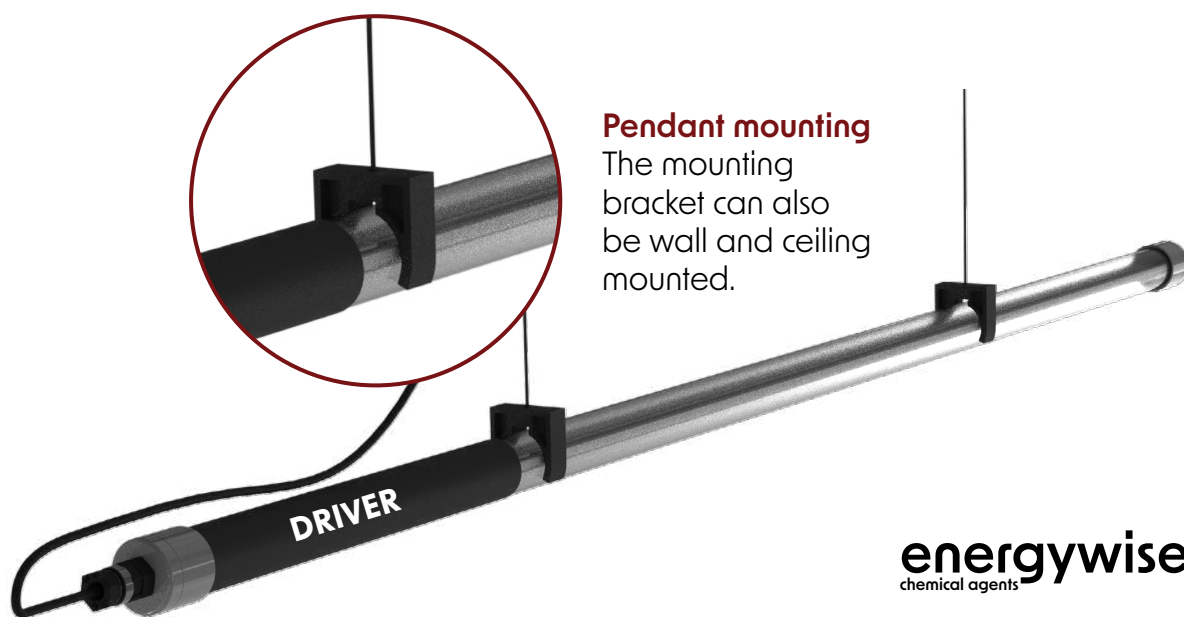
LEDs
Source from the best component manufactures in Europe to ensure maximum lifespan, quality and light spectrum.
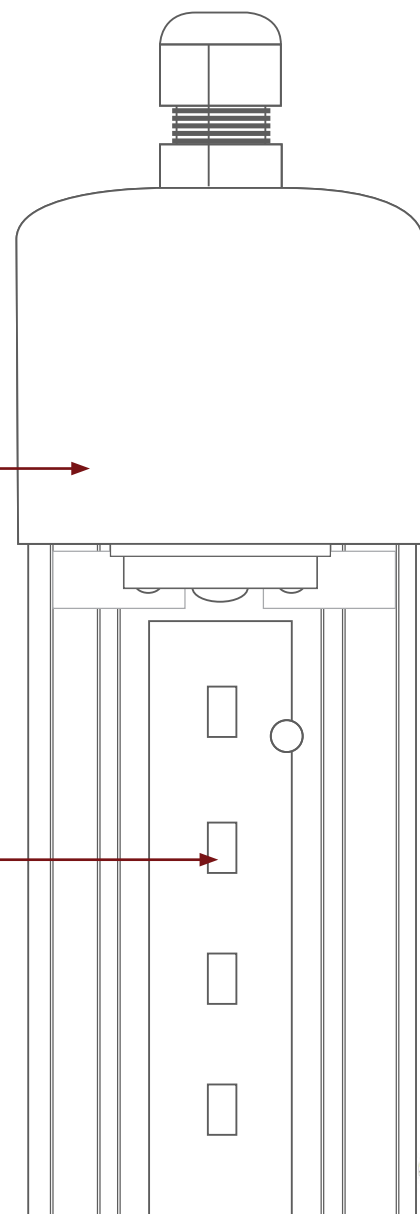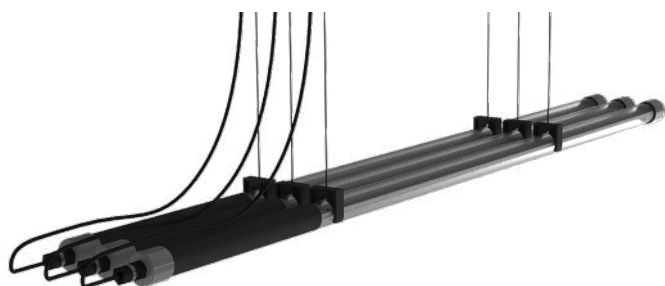
Installation & Configurations
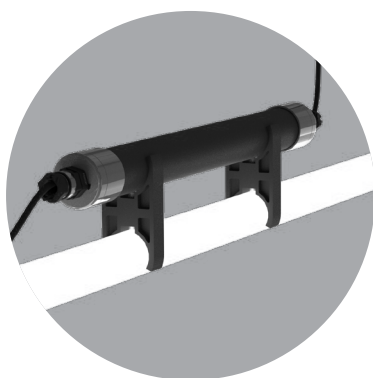
Easy to install , Saving you time & money

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	⊙ Reltively Resistant	⊘ Non-resistant

Chemical agent	Polycarbonate	Aluminum
Acetic acid 10%	✓	✓
Acetone	⊘	✓
Alcoholic beverages	✓	✓
Aluminum sulphate	✓	✓
Ammonia 5%	⊘	✓
Aniline	⊘	✓
Arsenic acid 20%	✓	✓
Benzene	⊘	✓
Bencylic alcohol	⊘	⊙
Benczyl	⊘	✓
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-naphta oil	⊙	✓
Ethyl alcohol	✓	✓
Ethyl chloride	⊘	⊙
Ethyl ether	⊘	✓
Food oils and fats	⊘	✓
Formic acid 10%	✓	⊘
Glycerine	✓	✓
Hexane	✓	✓
Iodine	⊘	⊙
Iron chloride	✓	⊙
Isopropylic alcohol	⊙	✓
Lubricating oil	✓	✓
Magnesium sulphate	✓	✓
Methanol	⊘	✓
Mineral oils	✓	✓
Nitric acid 20%	⊙	⊘
Oxygen	✓	✓
Ozone	✓	✓
Perchloric acid 10%	✓	⊘
Petrol	⊘	✓
Phenol	⊘	✓
Potassium bromide	✓	⊙
Potassium nitrate	✓	✓
Pothassium 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.

IP 65 — Indoor / Outdoor

PC — Polycarbonate encapsulation.

KELVIN — Colour temperature 5600K

CRI — Colour rendition index 80+

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

Earth connection and CLASS I insulation fixture.

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

4kv — Voltage surge protection up to 4kV.

Suspended/pendent mount.

Plug & Play

Modular

Extras

Optional Extras

.IES — IES files available.

VOLTpro

10kv — 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 (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.

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

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

Permit number MASC-098MR | SABS APPROVED | ISO 9001:2015

QMS-P65-EWBR-250528

Energywise lighting options

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

Lights on

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

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:	20
Temp:	40/30°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
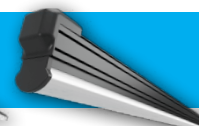
LEDrail 4LCO
Shops, Production facilities, showrooms etc

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
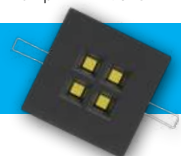
Downlighter
Offices, retail and hospitality settings.

Standard
IP:	40
Temp:	30°C
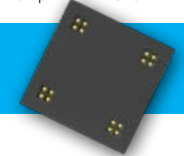
Panel 595x595
Offices, healthcare, educational facilities.

Standard
IP:	40
Temp:	30°C
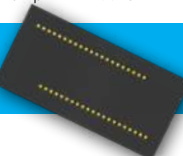
Panel 1195x595
Offices, commercial, educational settings.

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

Job done

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

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