EX Pod

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 1/2 as well as Zone 21/22.

Lights on. Work done.

4kv

kV Protection:
4kV, 10kV on request

IP 68

Indoor / Outdoor

IK08/5J

Impact Resistance:
IK08/5J

energywise

Better light through research.

INTRODUCING

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 21000 lm.

4 SIZE OPTIONS
- EX Pod 1350mm
- EX Pod 1630mm
- EX Pod 1910mm
- EX Pod 2190mm

CASING
- Impact rating IK08/5J

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

Specifications
Select the perfect one for the job

kV Protection:
4kV, 10kV on request

4kv

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

IP 65
Indoor / Outdoor

IK08/5J
Impact Resistance:
IK08/5J

PC
Casing Diffuser:
Polycarbonate

Modular:
Expandable system

EX POD 1

Effective Lumen:	2052 lm	2364 lm
240V:	**18W**	**21W**
Power Factor:	0.95	0.95
Effective Efficacy:	117 lm/w	111 lm/w
Max Ta:	**40°C**	**40°C**
L&B:	L90 B10	L80 B10
	L80 B10	
Fitting Size LxW:	**1350mm x 50mm**	

EX POD 2

Effective Lumen:	4104 lm	4728 lm
240V:	**35W**	**43W**
Power Factor:	0.95	0.95
Effective Efficacy:	117 lm/w	111 lm/w
Max Ta:	**40°C**	**40°C**
L&B:	L90 B10	L80 B10
	L80 B10	
Fitting Size LxW:	**1630mm x 50mm**	

EX POD 3

Effective Lumen:	5130 lm	5910 lm
240V:	**44W**	**53W**
Power Factor:	0.95	0.95
Effective Efficacy:	117 lm/w	111 lm/w
Max Ta:	**40°C**	**40°C**
L&B:	L90 B10	L80 B10
	L80 B10	
Fitting Size LxW:	**1910mm x 50mm**	

EX POD 4

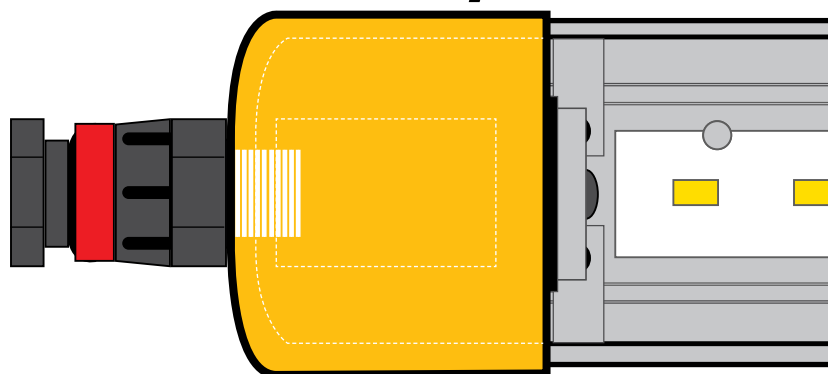|		
Effective Lumen:	6156 lm	7092 lm
240V:	**53W**	**64W**
Power Factor:	0.95	0.95
Effective Efficacy:	117 lm/w	111 lm/w
Max Ta:	**40°C**	**40°C**
L&B:	L90 B10	L80 B10
	L80 B10	
Fitting Size LxW:	**2190mm x 50mm**	

IP65
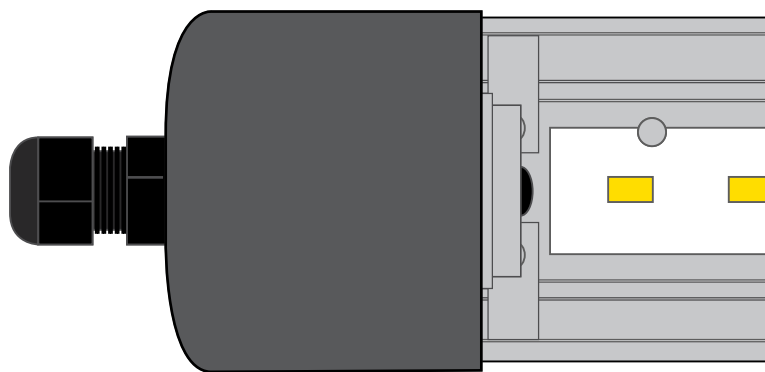
Zone 21/22
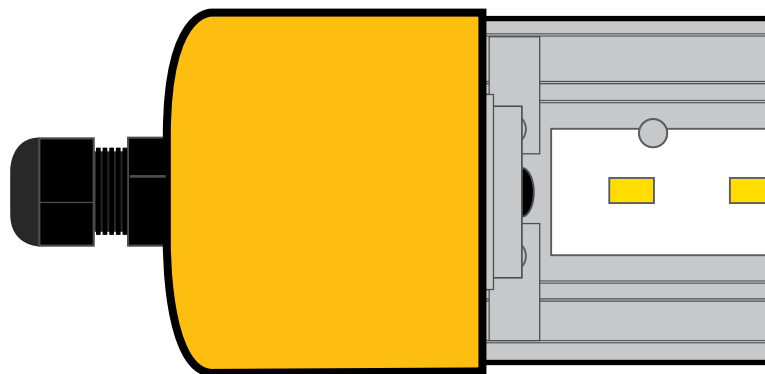
Zone 1/2

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

EX Pods protect your LEDs, and offer light onto a specific area, surface, or object. Floodlighting is a basic element of both interior and exterior lighting. These indoor luminaries are not only able to project a wide spread of light, with the use of lenses we can also provide task lighting.

Task (focused) lighting provides increased light for specific tasks in a room that may already have some ambient light. Task lighting is especially useful for seeing small objects or objects of low contrast. We can offer solutions to combine several pods to get the exact lighting you require.
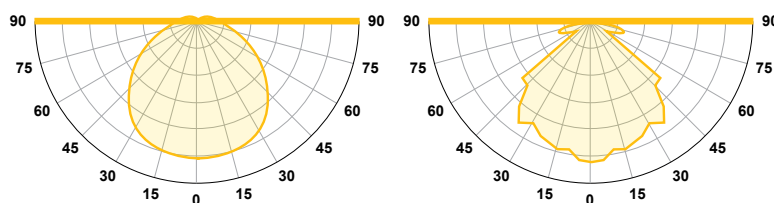
Wide (Frosted)

Wide
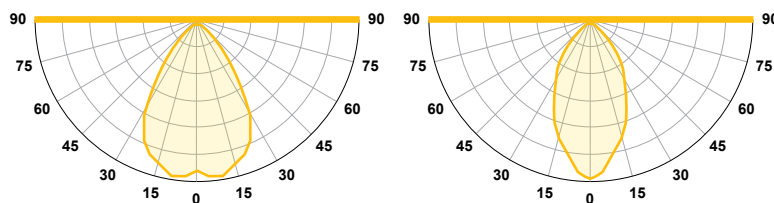
Medium

Narrow

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 spectrums.
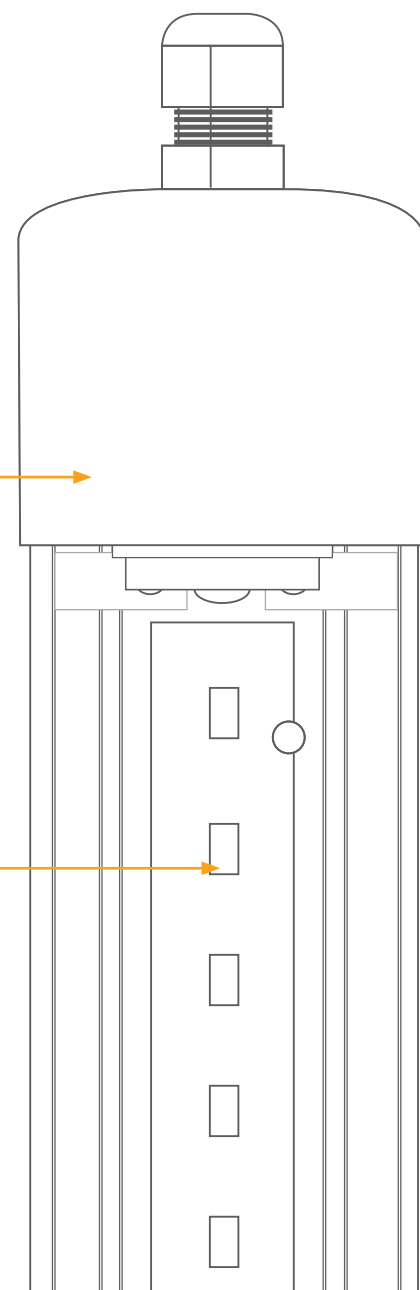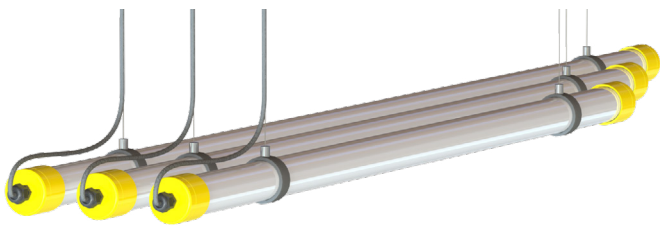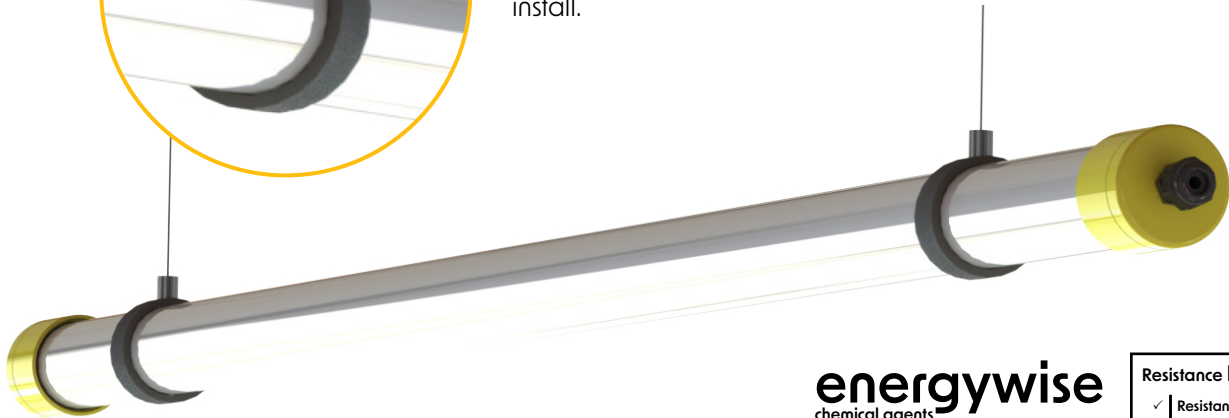
Installation & Configurations
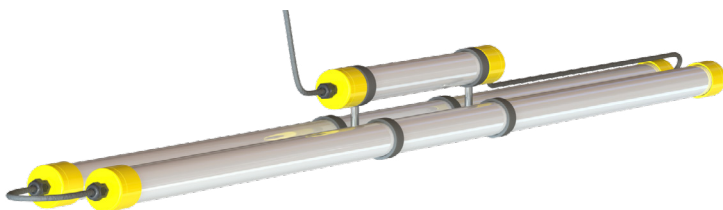## Easy to install , Saving you time & money

Pendant mounting
Slick, rubberised, easy to install.

Banking / Stacking - For increased lumen output.

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

Disclaimer:

Although every effort is made to ensure that at the time of publication, the technical details here within, are accurate, true and in line with the latest production specifications, we do reserve the right to change or upgrade any of the details without prior notice, agreement or warning, for any of our products or components.

Our products and their performance are in constant evolution through:

- technology upgrades to improve energy efficiency and performance, increased safety and cost effectiveness

- to comply or conform to suppliers updates or according to new safety standards.

The true nature of any upgrade is always to provide a better product, therefore, there will be no recourse for any complaints or claims of any nature regarding changes to specs.

We are ISO 9001-2015 compliant Sand our assembly line follows IEC 60958 guidelines – our products are covered by a Product Liability Policy.

Our LED products are covered by a 5 year warranty*

*T&C's apply, please check with Head Office for further details.

energywise
chemical agents

Resistance KEY:

✓	Resistant
⊙	Relatively Resistant
⊘	Non-resistant

Chemical agent	Polycarbonate	Aluminium
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 EX Pod range.

IP 68 — Indoor / Outdoor

PC — Polycarbonate encapsulation.

KELVIN — Colour temperature 5600K

CRI — Colour rendition index 80+

L&B — World cLass LED Life rating

Earth connection and CLASS I insulation fixture.

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

4kv — Voltage surge protection up to 4 kV.

Suspended/pendent mount.

Plug & Play

Modular

Extras

Optional Extras

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

.IES — IES files available.

Effective lumen output after warmup:
We follow the same practice as other professional manufacturers in providing Effective Performance Data (Lumens, Watts and L&B) that are inclusive of driver and LED thermal losses during the warm-up period. This can only be achieved by performing the Energy and Photometric Measurement after the LED, within the fitting, is left ON, until a stable and constant Lumen output is reached, ie. reaching a thermally stable condition within the LED assembly at a Ta of 35°C.
Unfortunately it's not uncommon to find suppliers using incomplete data suggesting Efficacy Lumen value to be 10 to 20% higher than the True Effective value.
This misrepresentation is achieved by using Raw LED photometric data that does not include any of the driver losses (generally 2–5 %) and any thermal adjustment losses (this can take 20–240 min & account for 7–15%)
In some extreme cases Effective Lumen is completely misquoted and only the Raw value is mentioned with much higher values.
In both these cases True Effective Lumen is misrepresented and unlawful.

Designed and Manufactured by **energywise**®

Better Light Through Research.

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

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

Permit number MASC-098MR — SABS APPROVED — ISO9001 CERTIFIED — GMP

Other 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: 25m
IP: 65
Temp: 40°C

Bay XL
Factories, Warehouses, Supply rooms etc.

Standard
Height: 20m
IP: 40
Temp: 30°C

Bay XE
Factories, Warehouses, Supply rooms etc.

Standard
Height: 15m
IP: 20
Temp: 30°C

DUSTPROOF
Warehouses, Car parks, Corridors.

Standard
Height: 8m
IP: 66
Temp: 35°C

Torch Bulkhead
Heavy industrial areas.

Standard
Height: 10m
IP: 65
Temp: 30°C

RETROFIT

HIGHbay XF
Light industrial econo low bay.

Standard
Height: 10m
IP: 20
Temp: 30°C

LOWbay XF
Light industrial econo low bay, Task lighting.

Standard
Height: 10m
IP: 20
Temp: 30°C

LED eBay
Light industrial diffused low bay

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

Retrofit 44
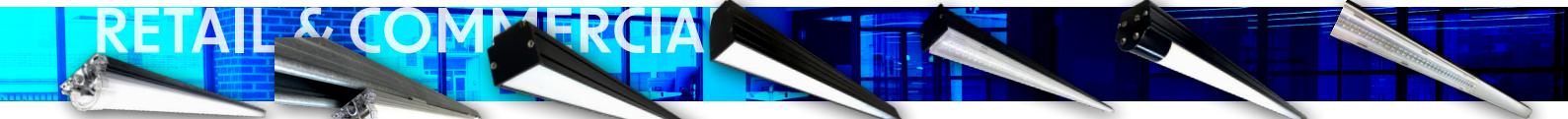Converting old HID tech to LED

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: 10m
IP: 40
Temp: 30°C

LEDrail 2000
Shops, Sheds, Underground parking

Standard
Height: 10m
IP: 40
Temp: 30°C

LEDrail 4000
Retail, board rooms, department stores.

Standard
Height: 5m
IP: 40
Temp: 35°C

LEDrail 8000
Retail, board rooms, department stores.

Standard
Height: 5m
IP: 40
Temp: 35°C

LEDrail 4·100
All retail outlets, showrooms, offices etc

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

LEDRAIL 4·100 IP65
Bakeries, Industrial kitchens etc

Standard
Height: 10m
IP: 65
Temp: 35°C

LEDRAIL 4·100 GAP
Retail applications, Hardware stores etc

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

EX

EX Bay XP
Factories, Warehouses, Mills, Marine etc.

Standard
Height: 17m
IP: 65
Temp: 40°C

EX Flood
Factories, Warehouses, Mills, Marine etc.

Standard
Height: 10m
IP: 65
Temp: 40°C

EX DUSTPROOF PREMIUM Warehouses, Car parks, Mills.

Standard
Height: 8m
IP: 65
Temp: 40°C

EX DUSTPROOF
Warehouses, Car parks, Corridors, Mills.

Standard
Height: 8m
IP: 65
Temp: 40°C

EX Pod
Factories, Mines, Marine etc.

Standard
Height: 5m
IP: 68
Temp: 40°C

EX Torch
Heavy industrial areas.

Standard
Height: 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, Vertical, Racks etc.

Standard
Height: 0.2m
IP: 65
Temp: 35°C

Job done

energywise

Better light through research.