

Dustproof

Industrial

IP
66

Water, vapor & dust proof.

Our IP66 LED dustproof is composed of a UV stabilized polycarbonate body which gives excellent protection from long-term degradation from sunlight as well as an IK08/5J optic impact rating. This stout luminaire is fully serviceable and comes with a standard ambient temperature rating of up to 35 degrees Celsius. (Higher on request)



Lights on.
Work done.



kV Protection:
1kV-2kV,
4kV or 10kV on
request

IP
66

Indoor



SABS
Approved

energywise

Better light
through research.



Jack of no shade.

Our SABS approved dustproof luminaire has a premium body imported from Spain, components from Germany & Italy and are assembled, designed and produced in South Africa. The result, a dustproof light fitting leagues above the competition and perfectly suited to a host of environments.

For fast installation and low maintenance you really can't do better, and we haven't even mentioned the exceptional human centric light quality. Talk about the full package, this is a beautiful piece of tech made to look simple and perform to the highest standard.

Dustproofs are found in every other building and have been popular for years. We have carried on with that same durable form factor and gave it a serious upgrade. LED technology has come so far and now properly outstrips old Fluorescents with longevity, efficiency, light quality and perhaps most importantly, electrical costs.

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

KEY FEATURES

3 SIZE OPTIONS

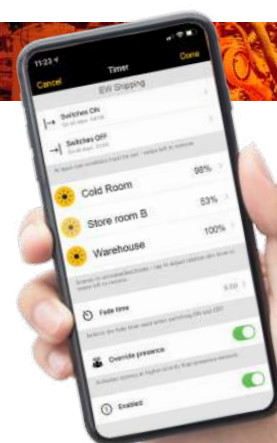
- Dustproof 2 Foot 600mm
- Dustproof 4 Foot 1200mm
- Dustproof 5 Foot 1500mm

DIFFUSER

- Impact rating IK08/5J

TEMPERATURE

- Ambient room temperature standard -5°C to +35°C.



Optional:
Bluetooth, Wifi,
Dali & Bi Level.
Casambi App
featured above.



Specifications

Spec'ed for every situation.



kV Protection:
1kV-2kV. 4kV or 10kV on request



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

IP 66

Indoor/Outdoor



Impact Resistance:
IK08/5J



Diffuser:
Polycarbonate

Dustproof

2 Foot

Raw Lumen: 2920 lm 3280 lm
Effective Lumen: 2540 lm 2830 lm

240V: 18W 21W

Raw Efficacy: 161 lm/w 155 lm/w
Effective Efficacy: 140 lm/w 134 lm/w

L90 B10 @ 25°: >54000Hrs
L80 B10 @ 35°: >50000 Hrs

4 Foot

5840 lm 6200 lm
5400 lm 6018 lm

38W 44W

156 lm/w 142 lm/w
144 lm/w 138 lm/w

>54000Hrs
>50000 Hrs

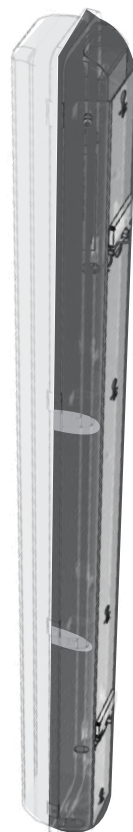
5 Foot

7300 lm 8200 lm
6800 lm 7578 lm

46W 54W*

160 lm/w 154 lm/w
149 lm/w 142 lm/w

>54000Hrs
>50000 Hrs



Longboard

Raw Lumen:
Effective Lumen:

240V:

Raw Efficacy:
Effective Efficacy:

L90 B10 @ 25°:
L80 B10 @ 35°:

5496 lm 6338 lm
4986 lm 5556 lm

36W 41W

155 lm/w 156 lm/w
141 lm/w 137 lm/w

>54000Hrs
>50000 Hrs

6870 lm 7923 lm
6345 lm 7070 lm

44W 51W

156 lm/w 157 lm/w
144 lm/w 140 lm/w

>54000Hrs
>50000 Hrs

Fitting Length: **620mm**

1250mm

1540mm

*The 53W is only available as a 30° fitting

Installation

Easy to install,
Saving you time & money

The Dustproof can either be installed as pendant or surface mounted.

Suspension Mounting

Spring Quick snap-on triangular attachment, no tools required.

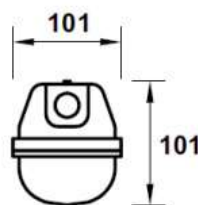
Surface - Simple, quick surface installation (installation instructions provided in box)

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:

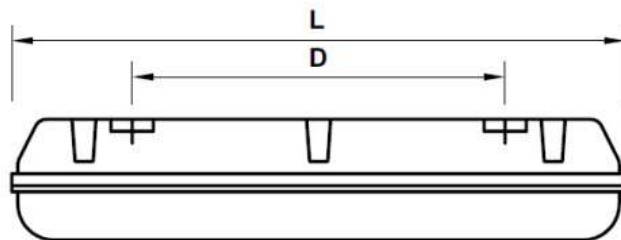
- technology upgrades to improve energy efficiency and performance, increased safety and cost effectiveness
- to comply or conform to suppliers updates or according to new safety standards.

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 and 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.



Dimensions

L	D
660	390
1277	800
1573	1100



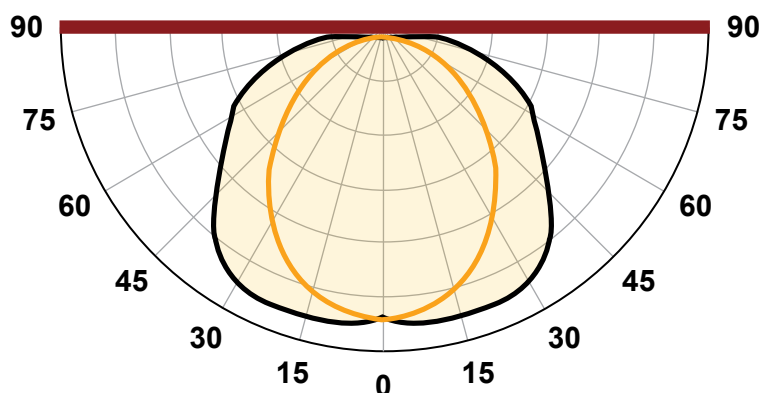
Distribution Options

The light you need, where you want it.

LED Dustproofs 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 outdoor/indoor luminaires are not meant to only project a wide spread of light.

Dustproofs are ideal for lighting up passages, walkways and car parks, with a soft feel but effective lighting solution. This premium dustproof body and components are sourced from leading manufacturers in Europe.

Dustproof Distribution



A Closer Look

Engineered to the highest standards.

Diffuser

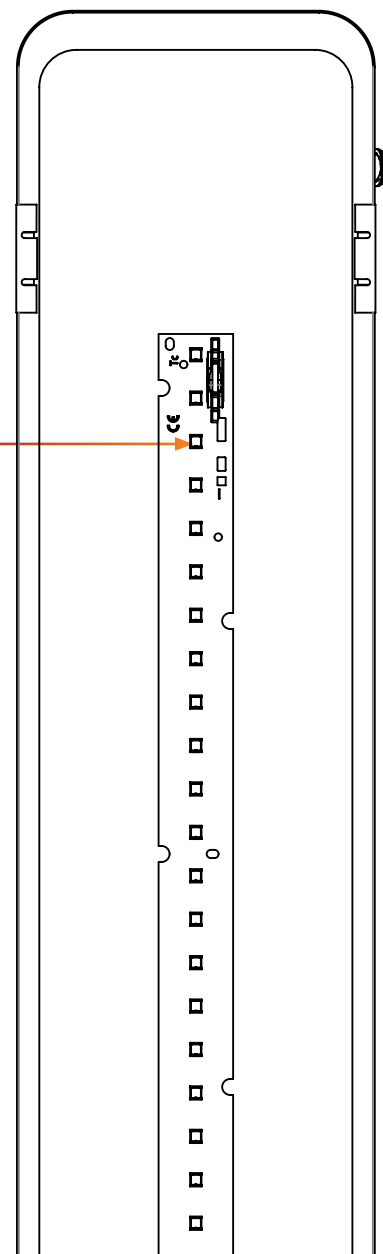
Polycarbonate diffuser offers great IK08 impact protection and efficient distribution of light. The continuous silicone gasket allows a water-resistant (IP66) assembly.

LEDs

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

Finishings

All fasteners are Stainless Steel for longevity.



Features

Standard across the EX Dustproof range.



Indoor/Outdoor



Recyclable.



Polycarbonate Body.



Serviceable: All units are serviceable and all parts replaceable.



5000K Standard, 3000K, 4000K, 6500K on request.



Colour rendition index 80+



World class LED Life rating



Earth connection and CLASS I insulation fixture.



Optic impact rating IK08/5J.



Voltage surge protection 1-2kV.



All screws & mini shackles in stainless steel.



Suspended by chain or steel cable. (not included)



Surface mount.



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 surge protection. Up to 10kV.



IES files available.



Emergency battery backup

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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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

LED eBay

Light industrial diffused low bay

Standard
Height: 2-10m
IP: 40
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.

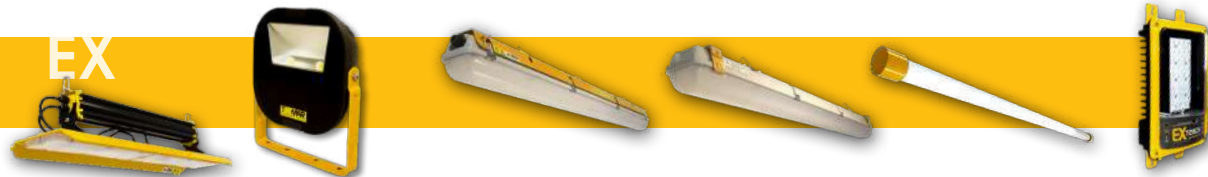
Standard
Height: 2.5-10m
IP: 40
Temp: 35°C

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.