



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)



Now available
with microwave
motion sensor.



Proudly manufactured in
South Africa using
European LED Technology



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



Indoor



SABS
Approved



5 Year
Warranty

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 exceptionable 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 30°C Reality. Minimum.

KEY FEATURES

3 SIZE OPTIONS

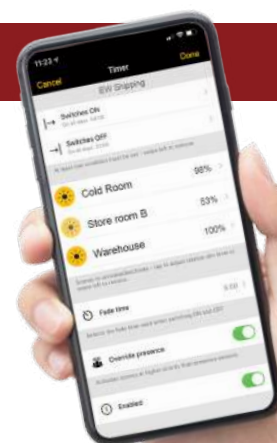
- Dustproof 2 Foot 600mm
- Dustproof 4 Foot 1200mm
- Dustproof 5 Foot 1500mm

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>I3



Indoor/Outdoor



Impact Resistance:
IK08/5J



Diffuser:
Polycarbonate



L&B Life Rating
L90 B10
54 000 hrs



SABS
Approved

Premium

Raw Lumen:
Effective Lumen:

240V:

Raw Efficacy:
Effective Efficacy:

L90 B10 @ 25°:
L80 B10 @ 35°:

2 Foot

2920 lm | 3280 lm
2540 lm | 2830 lm

18W | 21W

161 lm/w | 155 lm/w
140 lm/w | 134 lm/w

>54 000 Hrs
>50 000 Hrs

4 Foot

5840 lm | 7528 lm
5052 lm | 6276 lm

36W | 45W

165 lm/w | 168 lm/w
143 lm/w | 140 lm/w

>54 000 Hrs
>50 000 Hrs

5 Foot

7300 lm | 8200 lm
6230 lm | 7010 lm

44W | 50W*

169 lm/w | 166 lm/w
144 lm/w | 142 lm/w

>54 000 Hrs
>50 000 Hrs

Standard

Raw Lumen:
Effective Lumen:

240V:

Raw Efficacy:
Effective Efficacy:

L90 B10 @ 25°:
L80 B10 @ 35°:

5496 lm | 6338 lm
5000 lm | 5572 lm

36W | 41W

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

>54 000 Hrs
>50 000 Hrs

6870 lm | 7923 lm
6345 lm | 7070 lm

44W | 51W

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

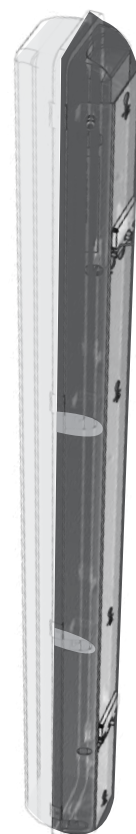
>54 000 Hrs
>50 000 Hrs

Fitting Length:

620mm

1250mm

1540mm



Installation

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

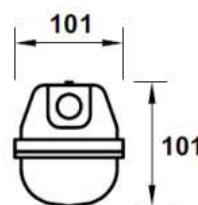
The Dustproof can either be installed as pendant or surface mounted.

Suspension Mounting

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

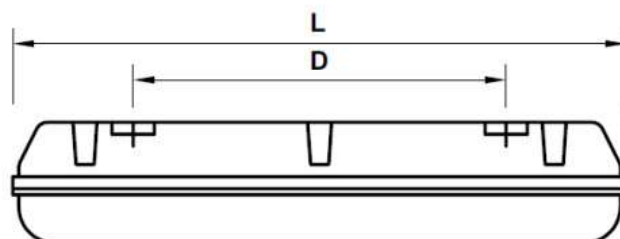
Surface - Simple, quick surface installation (installation instructions provided in box)

*The 50W is only available
as a 30° fitting



Dimensions

L	D
660	390
1277	800
1573	1100



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).



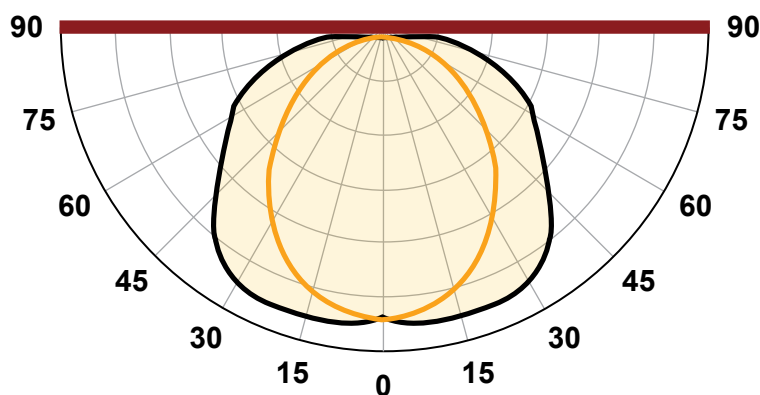
Distribution Options

The light you need, where you want it.

LED Dustproofs are designed to protect your LEDs while providing reliable, efficient lighting for specific areas, surfaces, or objects. These versatile luminaires are ideal for both indoor and outdoor applications, offering more than just widespread illumination—they deliver targeted, consistent light where it's needed most.

Perfect for **passages, walkways, and car parks**, they create a well-lit yet visually comfortable environment. Built with premium materials and components sourced from leading European manufacturers, our **LED Dustproofs** ensure durability, performance, and long-term reliability.

Dustproof Distribution



A Closer Look

Engineered to the highest standards.

Diffuser

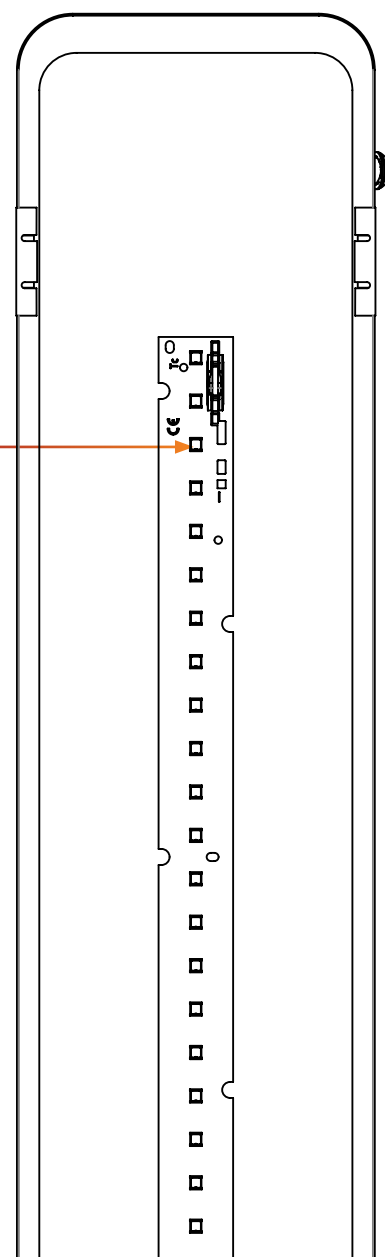
Polycarbonate diffuser offers great IK08 impact protection and efficient distribution of light. The continuous silicone gasket allows a water-resistant (IP66) assembly.

LEDs

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

Finishings

All fasteners are Stainless Steel for longevity.



energywise LED DUSTPROOF VS FLUORESCENT DUSTPROOF

SHORT BOARD	Dustproof 2x36W	Dustproof 36W	Dustproof 41W	LONG BOARD	Dustproof 2x58W	Dustproof 44W	Dustproof 51W
➔	1200mm	1200mm	1200mm	➔	1500mm	1500mm	1500mm
Gear and lamp type	EM Monoph	LED	LED	Gear and lamp type	EM Monoph	LED	LED
Lamp	2x			Lamp	2x		
Lumen	2600			Lumen	4600		
Total lamp Lm's	5200	5500	6340	Total lamp Lm's	9200	6870	7920
Fitting Efficiency	66%	91%	88%	Fitting Efficiency	66%	92%	89%
Effective fitting lumen	3432	4986	5600	Effective fitting lumen	6072	6072	7070
Lumen lamp depreciation	80%	80%	80%	Lumen lamp depreciation	80%	80%	80%
Effective lumen at end of life	2746	3989	4480	Effective lumen at end of life	4858	5040	5656
Fitting wattage	77W	36W	41W	Fitting wattage	124W	44W	51W
Lamp life hours	9000	50 000 to 75 000	50 000 to 75 000	Lamp life hours	9000	50 000 to 75 000	50 000 to 75 000
Lumen comparison		145% ↑	163% ↑	Lumen comparison		104% ↑	116% ↑
Energy saving		53% ↑	47% ↑	Energy saving		65% ↑	59% ↑
Lamp life		5~7 times	5~7 times	Lamp life		5~7 times	5~7 times

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.

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.

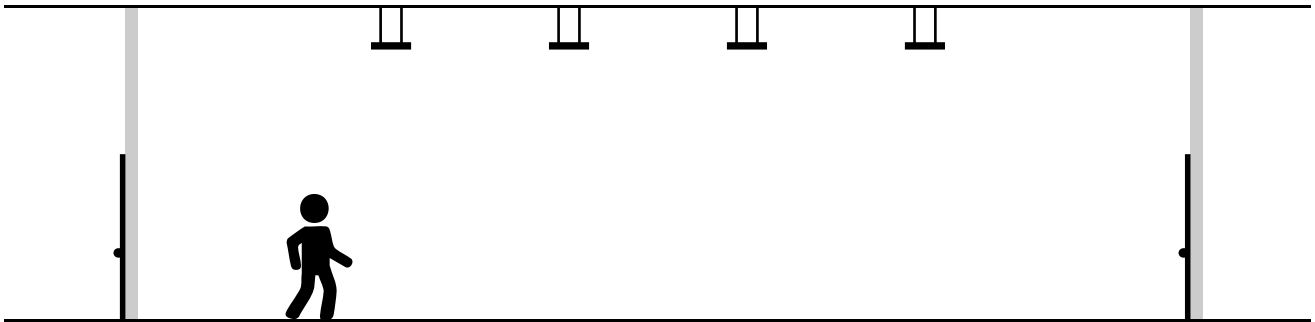
We are ISO 9001:2015 compliant, and our assembly line adheres to IEC 60958 guidelines. Our products are covered by a Product Liability Policy, and our LED products come with a 5-year warranty (T&Cs apply—please contact Head Office for details).



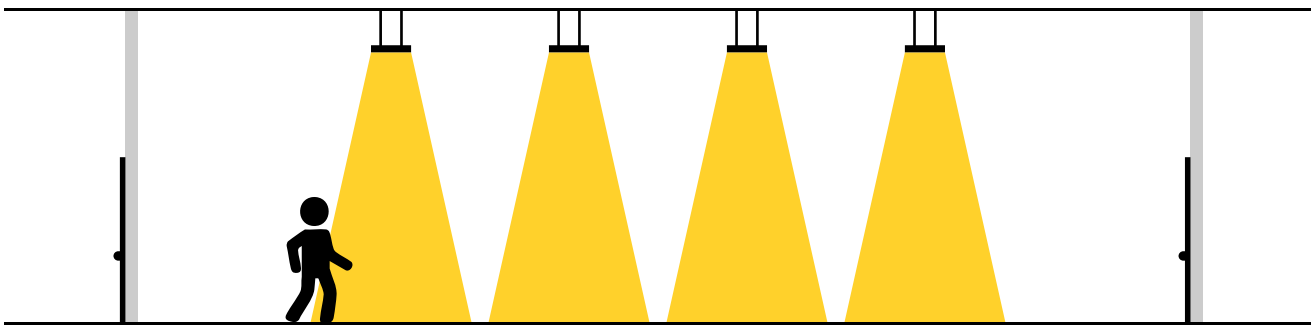
MICROWAVE MOTION PROGRAMMABLE SENSOR



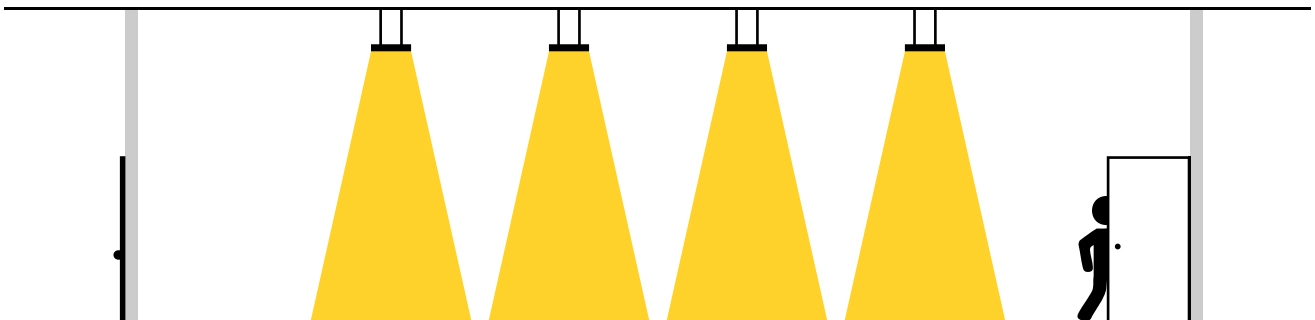
While in daylight mode, the sensor does not activate light when movement is detected.



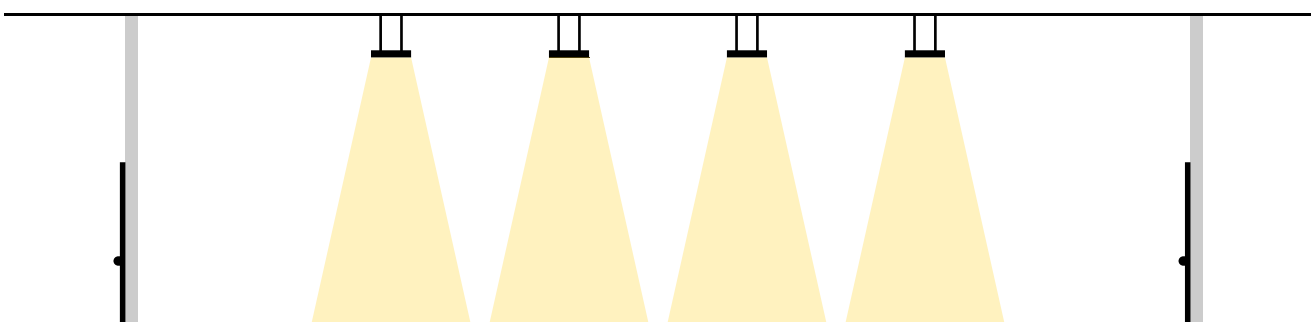
While in night mode, the sensor activates light when movement is detected.



If the moving object leaves the detection area or keeps still, the light will keep on for the duration of the delay time.



After the preset delay time, the light will enter a dimmed state (at 10% or 30%).



Features

Standard across the Dustproof range.



SABS Approved



Indoor/Outdoor



Top Bin Chips <3 MacAdams.



Polycarbonate Body.



Serviceable: All units are serviceable and all parts replaceable.



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



Colour rendition index 80+



LED Life Rating: L90 B10, 54 000 hrs



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.

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



VOLTpro



Tamperproof version available.



5 year warranty:

Please visit
www.energywise.co.za

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

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



SABS
APPROVED



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.