

Torch

Marine grade, Industrial spec, Die hard.

Our LED bulkhead is composed of high-pressure LM6 Marine grade cast aluminum body and clear polycarbonate diffuser all wrapped up with an IP65 rating and able to withstand temperatures of 40 degrees ambient. Available in 4 different light distributions and standard with a replaceable 10kV surge protection and a high system efficacy of up to 128 lm/w.



Industrial

IP 65



Proudly manufactured in
South Africa using
European LED Technology



Outdoor/
Indoor



LM6 Marine
Grade Cast
Aluminum



SABS
Approved



5 Year
Warranty

energywise

Better light
through research.



Full metal jacket.

Our Industrial Torch Bulkhead is a fitting whose body has proved itself at cooling, protecting and housing luminaries in some of the most rugged environments in Africa.

It is made from LM6 Marine grade cast aluminum with a clear polycarbonate cover wrapped up with an IP65. Elon Musk has already ordered 1000 to hang up outside his Mars base. Jokes aside there isn't much this bulkhead can't easily brush off.

With an incredibly efficient heat dissipation design and a replaceable 10kV surge protection this Torch is simply stuck on the wall and forgotten about.

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

KEY FEATURES

LENSES

- 4 different optics.

FRONT COVER

- Impact rating IK08/5J

TEMPERATURE

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

MOUNTING OPTIONS

- Surface mounting brackets
- Pole mounting brackets
- Swivel mounting bracket
- Extender 44 mounting bracket



Specifications

The perfect configuration for its job.



kV Protection:
Replaceable 10kV
Surge Protection



Indoor/Outdoor



Impact Resistance:
IK08/5J



Lenses:
Polycarbonate



Construction:
Aluminum &
Stainless Steel



LM6 Marine Grade Cast Aluminum



L&B Life Rating
L80 B10
60 000 hrs

104

3108 lm
2945 lm

20W
156 lm/w
148 lm/w

35°C
L80 B10
35°C 60K hrs

104

6220 lm
5354 lm

40W
156 lm/w
134 lm/w

35°C
L80 B10
35°C 60K hrs

204

10,560 lm
8584 lm

67W
160 lm/w
130 lm/w

45°C
L80 B10
45°C 60K hrs

Raw Lumen up to:
Effective Lumen up to:

Wattage:
Raw Efficacy:
Effective Efficacy:

Max Ta:
L&B:

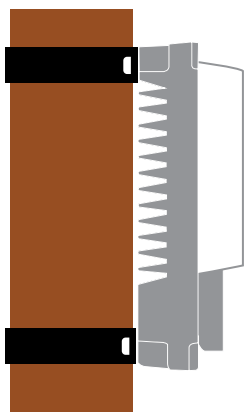
400 x 280 x 115mm

(Fitting Size LxWxH)

Installation

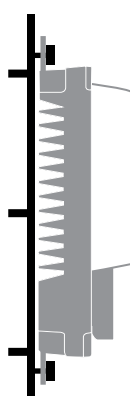
Easy to install, **Saving** you time & money

The Torch is a purpose designed LED bulkhead built for an industrial environment where dust is an explosive issue. Four easily attached mounting feet as standard. Alternatively a wall bracket is optional



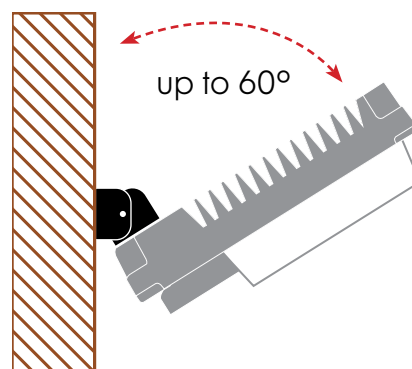
Option 1 Pole Brackets

Ideal for pole mounting.



Option 2 Adapter 44 Bracket

Seamless integration.



Option 3 Swivel Bracket

Seamless angle adjustments.

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.

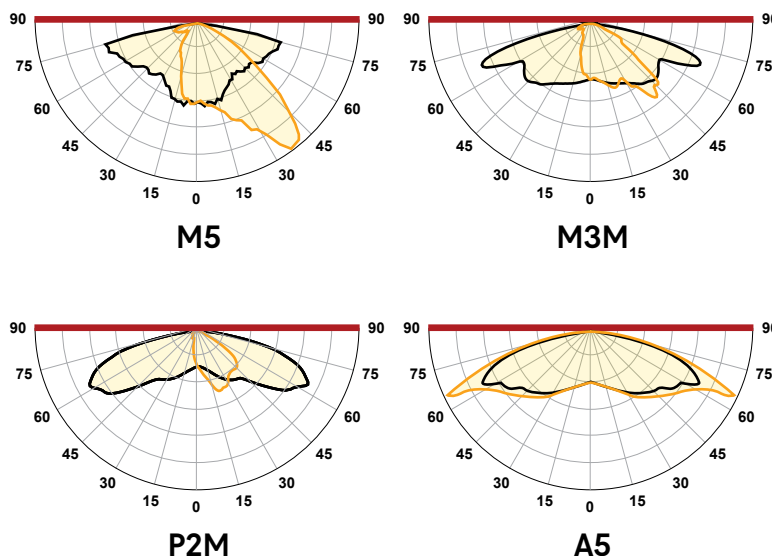
Our LED bulkhead offers a range of optical lenses designed to direct light precisely where it's needed, optimizing both efficiency and visibility. Each lens provides a unique distribution pattern tailored for different applications.

Available Beam Options:

P2M: A controlled beam designed for targeted illumination, reducing light spill and enhancing efficiency in areas requiring direct lighting.

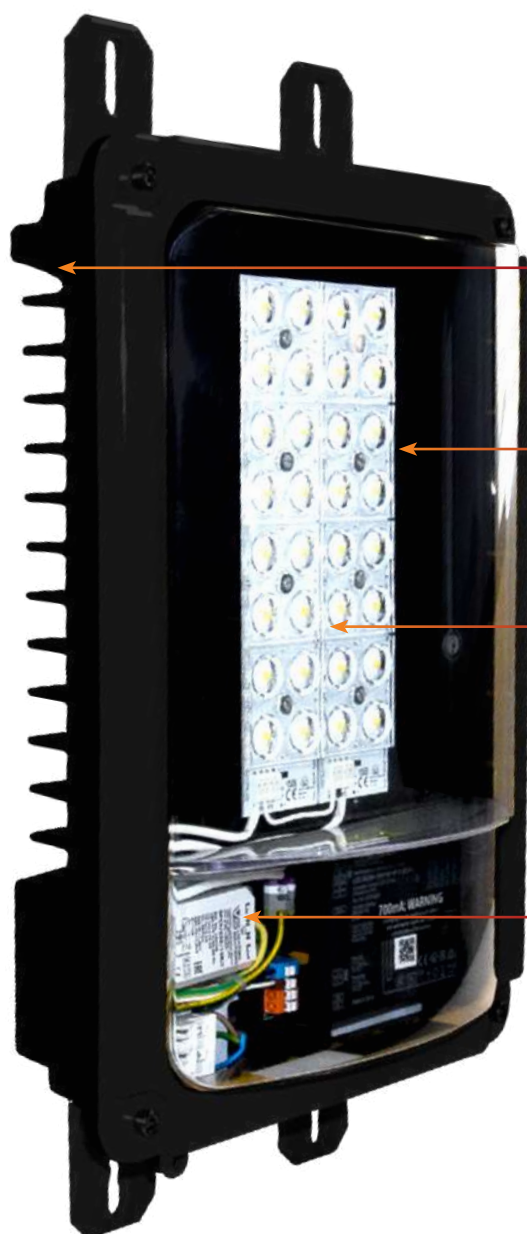
M5: A medium-wide distribution offering balanced coverage, ideal for pathways, corridors, and general-purpose lighting.

A5: A broader asymmetrical beam for illuminating large open spaces such as parking areas or pedestrian walkways.



A Closer Look

Engineered to the
highest standards.



Heat-sink

This industrial bulkhead is specifically designed for LEDs, it has an external heat sink allowing for effective heat dissipation outside of the fitting.

Cover

Polycarbonate cover offers great IK08 impact protection. The continuous rubber gasket allows for a water-resistant (IP65) assembly.

Lenses

For your choice of distribution options.

LEDs

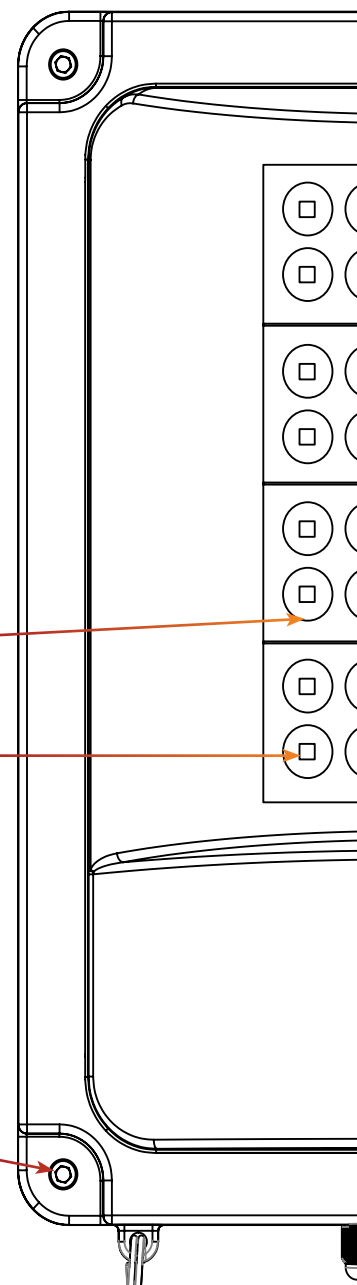
Sourced from the best component manufacturers in Europe to ensure maximum lifespan, quality and light spectrums.

Surge Protection

Replacable 10kV voltage

Finishings

All fasteners are Stainless Steel 316 rust free longevity.



Features

Standard across the
Torch bulkhead range.



Water resistant.



Sustainably Recyclable.



Polycarbonate lens and front cover.



Serviceable: All units are serviceable and all parts replaceable.



5600K Standard, 3000K, 4000K, 6500K on request.



Colour rendition index 75+, 80+ on request



Top Bin Chips <3 MacAdams



Earth connection and CLASS I insulation fixture.



Front cover impact rating IK08/5J.



Replacable voltage surge protection 10kV.



Aluminum alloy with stainless steel 316 fasteners.



Surface mount.



LM6 Marine Grade Cast Aluminum



L&B Life Rating: L80 B10, 60 000 hrs

Extras

Optional extras



IES files available.



VOLTpro



Different colour options.

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.

5 year warranty:

Please visit

www.energywise.co.za



Designed and
Manufactured by

energywise

Better Light
Through Research.

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

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.