

# TOBLO Bay

## A mighty glow, at a modest price.

The Toblo Bay combines robust performance with economical design, packing much of the punch of its more luxurious counterparts without unnecessary frills. A true no-nonsense workhorse. Engineered to light where you need it most, a perfect blend of strength and affordability. Featuring a substantial lumen output and a choice of six optics, delivering robust illumination from significant heights.



Industrial

IP  
20



Available in

3R

6R



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



kV Protection:  
4kV surge  
protection

IP  
20

Indoor



Lenses

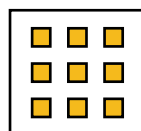


5 Year  
Warranty

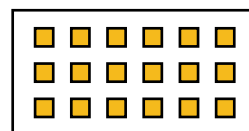
**energywise**

Better light  
through research.

# Where Power Meets Economy


**3R**


3 LEDs per row

**6R**


6 LEDs per row

The terms "3R, & 6R" are used to describe the configuration of LED diodes in a row on a particular LED board.

## A true no nonsense workhorse

Unveiling the TOBLO Bay, an innovative IP20 light fitting that effortlessly balances formidable power with specialized functionality. With the potency akin to our class-leading Bay XP, the TOBLO Bay is specifically designed for areas where an IP65 rating is not a necessity. Operating at the intersection of power and efficiency, it delivers robust illumination from significant heights.

Featuring a substantial lumen output and a choice of six optics, the TOBLO Bay ensures precision lighting customized to meet your unique requirements. Engineered with an aluminium heatsink, this fixture excels in efficient heat dissipation, ensuring optimal performance over extended periods.

**\*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 for multiple lens combinations.

#### 3 SIZE OPTION

- TOBLO Bay 102
- TOBLO Bay 103
- TOBLO Bay 104

#### OPTICS

- Impact rating IK08/5J

#### MOUNTING OPTIONS

- P2000 mounting - Standard
- Suspended by chain or steel cable



# Specifications

## Spec'd for **every** situation.

Our TOBLO Bay is available in the specifications below.



**kV Protection:**  
4kV surge  
protection



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



**Indoor**  
IP20-55



Recyclable



Acrylic  
Optic Lens



P2000  
Tunking Mount



**L&B Rating:**  
L80/B10 50 000 hrs

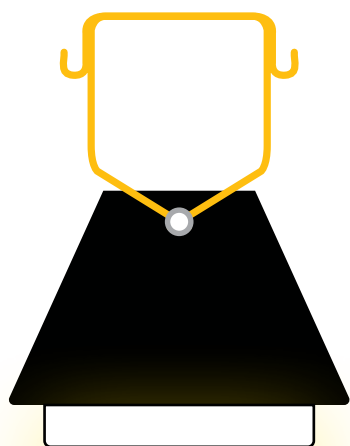
	Fitting Configuration	Dimensions	LED mA	Fitting Watt	Max Ta	Amp	LED Raw Lm	LED Raw Lm/W	Fitting Effective Lm	Luminaire Efficacy Lm/W	L&B Rating
3R 102	<b>3R</b>	650 x 100mm	400	54W	40°C	0.2	8080	150	7173	133	L80 B10 50 000 Hrs
3R 103	<b>3R</b>	870 x 100mm	420	85W	40°C	0.4	12,726	150	11,298	133	L80 B10 50 000 Hrs
3R 104	<b>3R</b>	1350 x 100mm	420	113W	30°C	0.5	16,968	150	15,064	133	L80 B10 50 000 Hrs
6R 102	<b>6R</b>	600 x 100mm	800	115W	30°C	0.5	20,534	179	18,150	158	L90 B10 50 000 Hrs
6R 102	<b>6R</b>	600 x 100mm	900	123W	30°C	0.5	23,100	188	20,424	166	L90 B10 50 000 Hrs
6R 103	<b>6R</b>	1000 x 100mm	750	159W	30°C	0.7	28,959	182	26,520	167	L90 B10 50 000 Hrs
6R 103	<b>6R</b>	1000 x 100mm	900	185W	30°C	0.8	34,650	188	30,636	166	L90 B10 50 000 Hrs
6R 104	<b>6R</b>	1350 x 100mm	900	246W	30°C	1.1	46,200	188	40,848	166	L90 B10 50 000 Hrs

\*All versions have power factors between 0.95 and 0.98.

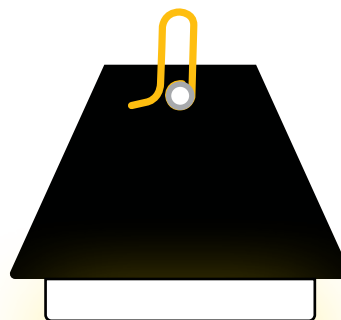
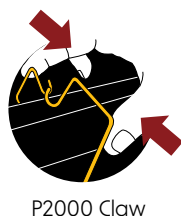
## Installation

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

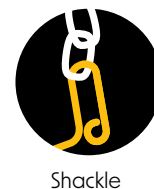
The TOBLO Bay has two simple methods of installations as illustrated below.



**Standard - P2000 Claw Mount**  
For quick and simple attachment of  
the TOBLO Bay to P2000 trunking.



**Suspended Shackle Mount**  
For hanging the fitting at your desired  
height. **On request**



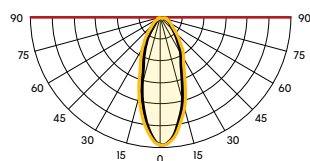


# Distribution Options

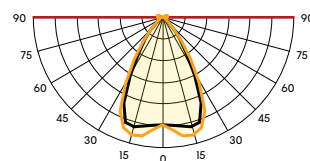
The light you need, where you want it.

**Smarter Lighting, Zero Waste** Lighting has entered a new era with advanced optical lens technology. The days of bulbs spilling light in every direction—hitting ceilings and blank walls—are over. Now, we can control and focus illumination precisely where it's needed, optimizing lux levels without wasting output.

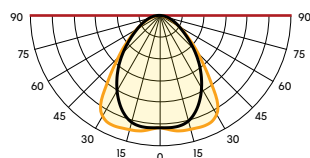
Whether it's narrow beams for high shelving or broad coverage for open warehouses, our solutions ensure that every lumen is used with purpose. Dark spots? Only if you choose them.



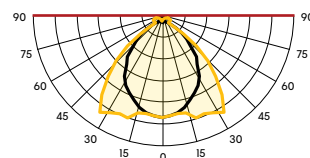
30°  
High Ceilings



60°  
Medium High Ceilings



90°  
Open Areas



110°  
General Lighting

## A Closer Look

Engineered to the highest standards.

### Heat-sink

Aluminum heat-sink engineered to keep the LEDs comfortable up to an ambient of 30°C. This radical design is also easier to clean fitting without compromising heat dissipation.

### Lenses

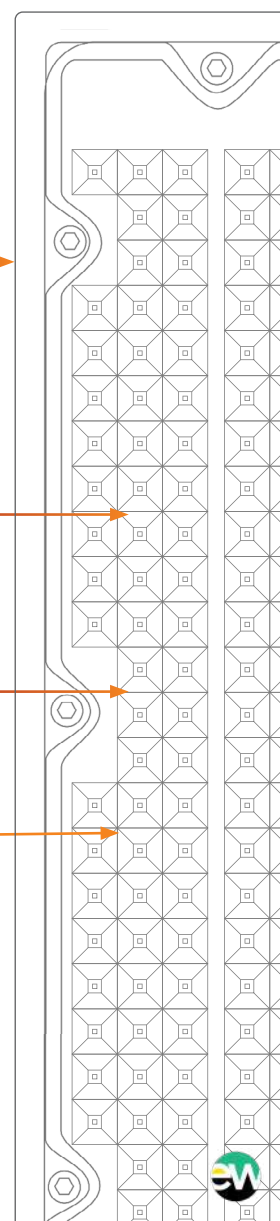
Polycarbonate lens offer great IK08 impact protection and efficient distribution control.

### Finishings

All fasteners are Stainless Steel 306 rust free longevity.

### LEDs

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



# Features

## Standard across the TOBLO Bay range.



Indoor - **IP20-55**  
IP20 driver and assembling electric **IP55** LED



Sustainably Recyclable.



Lenses.



Serviceable: All units are serviceable and all parts replaceable.



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



Colour rendition index 80+



Top Bin Chips <3 MacAdams



Earth connection and CLASS I insulation fixture.



Optic impact rating IK08/5J.



Voltage surge protection 4Kv.



All screws & mini shackles in stainless steel 306.



L&B Life Rating: L80/90 B10, 50 000 hrs



P2000 Trunking mount



**5 year warranty:**  
Please visit  
[www.energywise.co.za](http://www.energywise.co.za)

### 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).

### 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.

## Optional



Suspended by chain or steel cable.  
(not included)



IES files available.



VOLTpro

Designed and  
Manufactured by

**energywise**

**Better Light  
Through Research.**

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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



# Energywise lighting options

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

## INDUSTRIAL

						
<b>Bay XP</b> Factories, Warehouses, Cold rooms etc.	<b>Bay XL</b> Factories, Warehouses, Supply rooms etc.	<b>Bay XE</b> Factories, Warehouses, Supply rooms etc.	<b>DUSTPROOF</b> Warehouses, Car parks, Corridors.	<b>VANDAL-RESISTANT DUSTPROOF</b> Car parks, Corridors, Mills.	<b>PUREBox Panel</b> Medical & laboratory, Clean rooms etc.	<b>Torch Bulkhead</b> Heavy industrial areas.
<b>Standard</b> Height: 6-25m IP: 65 Temp: 40/65°C	<b>Standard</b> Height: 3-20m IP: 40 Temp: 30°C	<b>Standard</b> Height: 6-25m IP: 20 Temp: 30°C	<b>Standard</b> Height: 2.5-8m IP: 66 Temp: 35°C	<b>Standard</b> Height: 2.5-8m IP: 66 Temp: 35°C	<b>Standard</b> Height: 3-5m IP: 54 Temp: 35°C	<b>Standard</b> Height: 6-25m IP: 65 Temp: 30°C





						
<b>Pod IP65</b> Tamperproof and nearly unbreakable.	<b>Bay XF</b> Get the job done, Glare-Free.	<b>Plate XP</b> Swiss army knife of lighting.	<b>TOBLO bay</b> Factories, Warehouses, Supply rooms etc.	<b>Bay XT</b> Distribution centers, Warehouses etc.	<b>Retrofit 44</b> Converting old HID tech to LED	<b>Retrofit 22</b> Converting old HID bulkhead to LED
<b>Standard</b> Height: 2-5m IP: 65 Temp: 35°C	<b>Standard</b> Height: 2-10m IP: 20 Temp: 30°C	<b>Standard</b> Height: 6-25m IP: 65 Temp: 35°C	<b>Standard</b> Height: 6-25m IP: 40 Temp: 40/30°C	<b>Standard</b> Height: 3-20m IP: 40 Temp: 35°C	<b>Standard</b> IP: 00 Temp: 30°C	<b>Standard</b> IP: 00 Temp: 35°C

## RETAIL & COMMERCIAL

						
<b>LEDrail 1000</b> Shops, Production facilities, parking	<b>LEDrail 2000</b> Shops, Sheds, Underground parking	<b>LEDrail 4000</b> Retail, board rooms, department stores.	<b>LEDrail 8000</b> Retail, board rooms, department stores.	<b>LEDrail 4-100</b> All retail outlets, showrooms, offices etc	<b>LEDrail 4LCO</b> Shops, Production facilities, showrooms etc	<b>Linear 4-300</b> Glare free precision lighting
<b>Standard</b> Height: 2.5-10m IP: 40 Temp: 30°C	<b>Standard</b> Height: 2.5-10m IP: 40 Temp: 30°C	<b>Standard</b> Height: 2.5-6m IP: 40 Temp: 35°C	<b>Standard</b> Height: 2.5-6m IP: 40 Temp: 35°C	<b>Standard</b> Height: 2.5-10m IP: 40 Temp: 35°C	<b>Standard</b> Height: 2.5-10m IP: 40 Temp: 35°C	<b>Standard</b> Height: 2.5-10m IP: 40 Temp: 35°C

						
<b>Downlighter</b> Offices, retail and hospitality settings.	<b>Panel 595x595</b> Offices, healthcare, educational facilities.	<b>Panel 1195x595</b> Offices, commercial, educational settings.	<b>EX Bay XP</b> Factories, Warehouses, Mills, Marine etc.	<b>EX DUSTPROOF PREMIUM</b> Warehouses, Car parks, Mills.	<b>EX DUSTPROOF</b> Warehouses, Car parks, Corridors, Mills.	<b>EX Pod</b> Factories, Mines, Marine etc.
<b>Standard</b> IP: 40 Temp: 30°C	<b>Standard</b> IP: 40 Temp: 30°C	<b>Standard</b> IP: 40 Temp: 30°C	<b>Standard</b> Height: 6-25m IP: 65 Temp: 40°C	<b>Standard</b> Height: 2.5-8m IP: 65 Temp: 35°C	<b>Standard</b> Height: 2.5-8m IP: 65 Temp: 35°C	<b>Standard</b> Height: 2-5m IP: 68 Temp: 40°C

## EARTH

			
<b>EX Torch</b> Heavy industrial areas.	<b>EARTHbay</b> Horticulture, Open areas etc	<b>EARTHplate</b> Horticulture, Rack/ Under shelf etc	<b>EARTHpod</b> Horticulture, Propagation, Racks etc.
<b>Standard</b> IP: 65 Temp: 40°C	<b>Standard</b> From canopy: 0.5-2m IP: 65 Temp: 35°C	<b>Standard</b> From canopy: 0.4-2m IP: 65 Temp: 35°C	<b>Standard</b> From canopy: 0.2-1m IP: 65 Temp: 35°C

Lights on. Job done.

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