

UP TO
60%
ENERGY SAVINGS
150-400W HID replacement

Tauro Eco

Flexible, high performing high bay/low bay designed for harsh Australian conditions



PRODUCT RANGE

Model #	Description	Lumen Output (lm)	Rated Power (W)	Weight (kg)
HB80-5000-XX	100W high/low bay luminaire	9050	80	4.3
HB120-5000-XX	120W high/low bay luminaire	13540	120	5.2
HB160-5000-XX	160W high/low bay luminaire	17550	160	6.0
HB200-5000-XX	200W high/low bay luminaire	22660	200	7.0
HB240-5000-XX	240W high/low bay luminaire	26990	240	7.8

xx denotes beam angle: 110°, 90°, 60°

The Tauro Eco delivers a high lumen package with precise optical control and complements enLighten's high / low bay luminaire range.

Offering value beyond energy savings, the durable Tauro Eco is designed to withstand the toughest of warehousing, cold storage and loading dock environments and is supported by high impact, water and dust resistance ratings.

CONTRACTOR BENEFITS

- **3m flex & plug** to assist with ease of installation
- **Mounting accessories** available
- **Range of power options** to suite client requirements
- **Commissioning tool** for ease of setting controls (optional)
- **IP66** - Ingress protection
- **IK10** - Highest level of impact resistance

CLIENT BENEFITS

- **Fully tested at 70°C** to operate in harsh Australian conditions
- **Reliable** robust high bay/low bay light
- **Expected life >140,000hrs** from the selection of high quality LEDs
- **Microwave sensor options available** to reduce energy consumption and maximise natural daylight where applicable
- **Glare control** by controlling direction of light with lenses.
- **7 year warranty**



APPLICATIONS



WAREHOUSING



MANUFACTURING



UNDERCOVER
CAR PARKS



LOADING
DOCKS



STORE
ROOMS



LARGE
RETAIL

FEATURES



SAFETY
COMPLIANCE



SMART
CONTROLS



SURFACE
MOUNT



SUSPENSION
MOUNT



INGRESS
PROTECTION

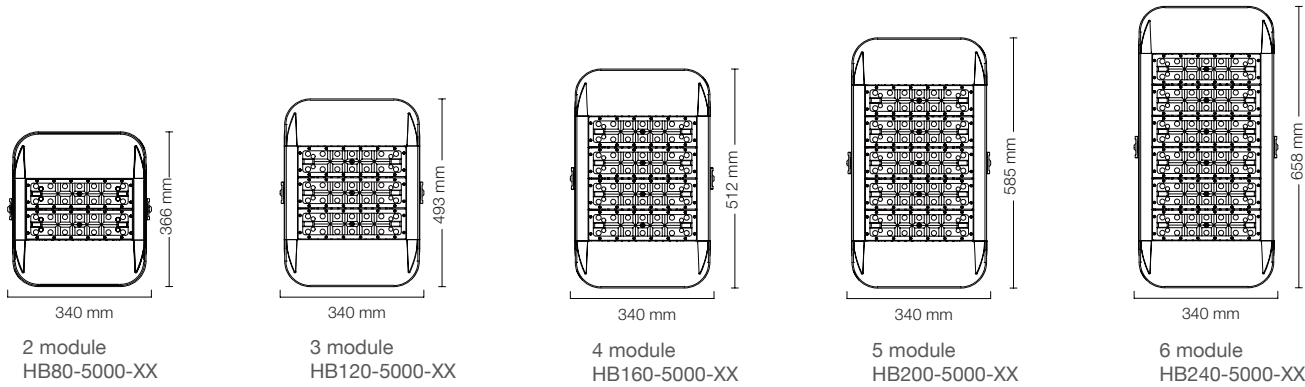


IMPACT
RATING

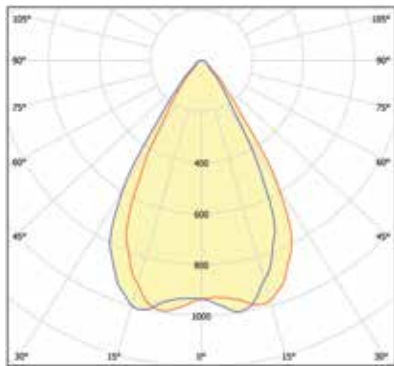


YEAR
WARRANTY

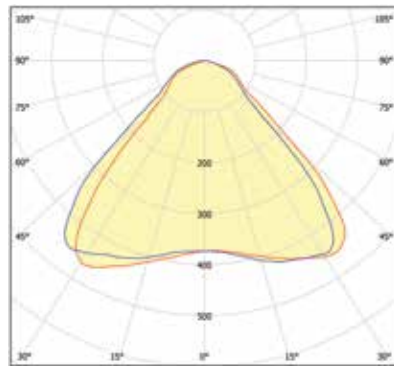
DIMENSIONS



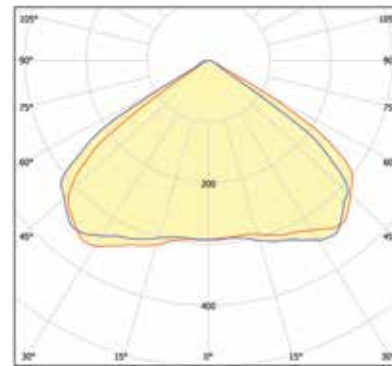
PHOTOMETRICS



cd/klm
 — C0 - C180 — C90 - C270
 Tauro Eco 60° lensing option



cd/klm
 — C0 - C180 — C90 - C270
 Tauro Eco 90° lensing option



cd/klm
 — C0 - C180 — C90 - C270
 Tauro Eco 110° lensing option
 IES files available for download on request

TECHNICAL INFORMATION

Optical

Light source	LUMILEDS LEDs
Lumen output	8,850 - 26,990 lumens
CRI	Ra >70
CCT	5000K standard, 4000K or 5700K available on request
Beam angle options	60°, 90°, 110°

Electrical

Power consumption (W)	80, 120, 160, 200, 240
Operating frequency	50/60Hz
Operating voltage range	100 - 240V AC
Power factor	>0.9/240V AC at full load
Maximum current	0.41A, 0.62A, 0.82A, 1.03A, 1.23A/240V AC
Driver type	MEANWELL
Driver efficiency	> 90%

Environmental

IP rating	IP66
Impact rating	IK10
Weight	4.3 - 7.8kg
Ambient temperature range	-40°C to +70°C
Material Composition (heat sink)	Anodized aluminium
Material Composition (diffuser)	Polycarbonate
Expected Lifespan	>140,000 hours @ L70

Controls - Optional

Dimming (1-10V DC, PWM signal or resistance)
 IP65 2&3 step dimming, motion & daylight sensor

Mounting

Eye bolts, 3m flex & plug supplied standard

Warranty*

7 years

Data subject to change without notice
 * Refer to warranty policy

INTEGRATED LENSING SELECTION

The table below is a quick reference guide for lensing selection according to the lighting application.

Lensing	Application
60° (Narrow beam)	Warehousing with aisle width 1-2m, factories, work benches. SHR 1.08
90° (Medium beam)	Warehousing with aisle width 2-3m, cold storage, large retail. SHR 1.68
110° (Wide beam)	Warehousing with aisle width 4-5m, car park entries, loading docks, general storage. SHR 1.76

COMPLIANCE

The Tauro Eco range of lights meet or exceed all relevant standards and regulatory requirements.



For a full compliance and testing list visit www.enlighten.com.au. IES files, warranty, installation and product guides are also available for download.

Sold nationally through major electrical wholesalers.

MOUNTING OPTIONS



Standard fitting



With mounting bracket **(optional)**



Highbay Sensor Tauro Eco

Daylight Harvesting and Motion Sensor
Gain up to 40% energy savings



An ideal solution for further increasing energy savings by up to 40% in large warehouses, the smart IP65 Highbay Sensor is a LED lighting controls device that can detect motion and ambient light when mounted up to a maximum height of 15m.

enLighten's Tauro Eco Highbay light sensor can deliver 2 & 3 step dimming, motion and daylight harvesting.

DESIGN FEATURES

- **Wide detection range** of up to 16m diameter
- **Maximum mounting height of 15 m** suitable for warehouse use
- **2 & 3 Step dimming** offers full, standby & off modes
- **Daylight harvesting function** can adjust light output
- **Settings conveniently adjustable via remote control** commissioning tool

APPLICATIONS

- **Low occupancy warehouses/workshops** with long operating hours
- **Suitable for translucent sheeting**, where natural light is available

APPLICATIONS



LOW OCCUPANCY
WAREHOUSING



SUITABLE FOR
TRANSLUCENT SHEETING

FEATURES



MAX. 8m



HOLD TIME
30s~30min



MOUNTING HEIGHT
15m MAX.



AUTOMATIC
DIMMING



5
YEAR
WARRANTY



REMOTE
CONTROL

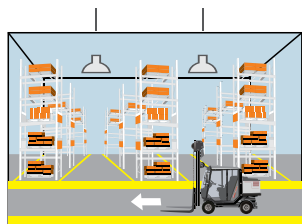


DAYLIGHT
HARVESTING

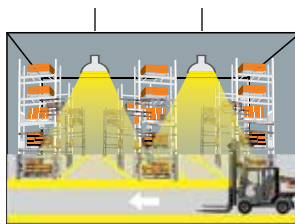
2 & 3 Step Dimming & Daylight Harvesting Functions

The Tauro Eco Smart Control sensor can achieve up to 3-step dimming functions between **high** light output (100%), **stand-by** dimming level (10-50%) and **off**.

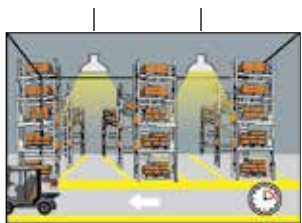
An integrated photo electric (PE) cell detects ambient light levels & will adjust the light output according to pre-set lux thresholds.



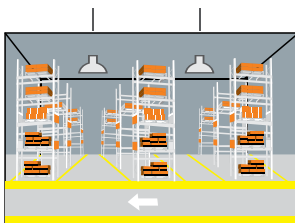
As ambient light level increases, the sensor adjusts light output



With insufficient ambient light, the sensor switches on the lamp when motion is detected



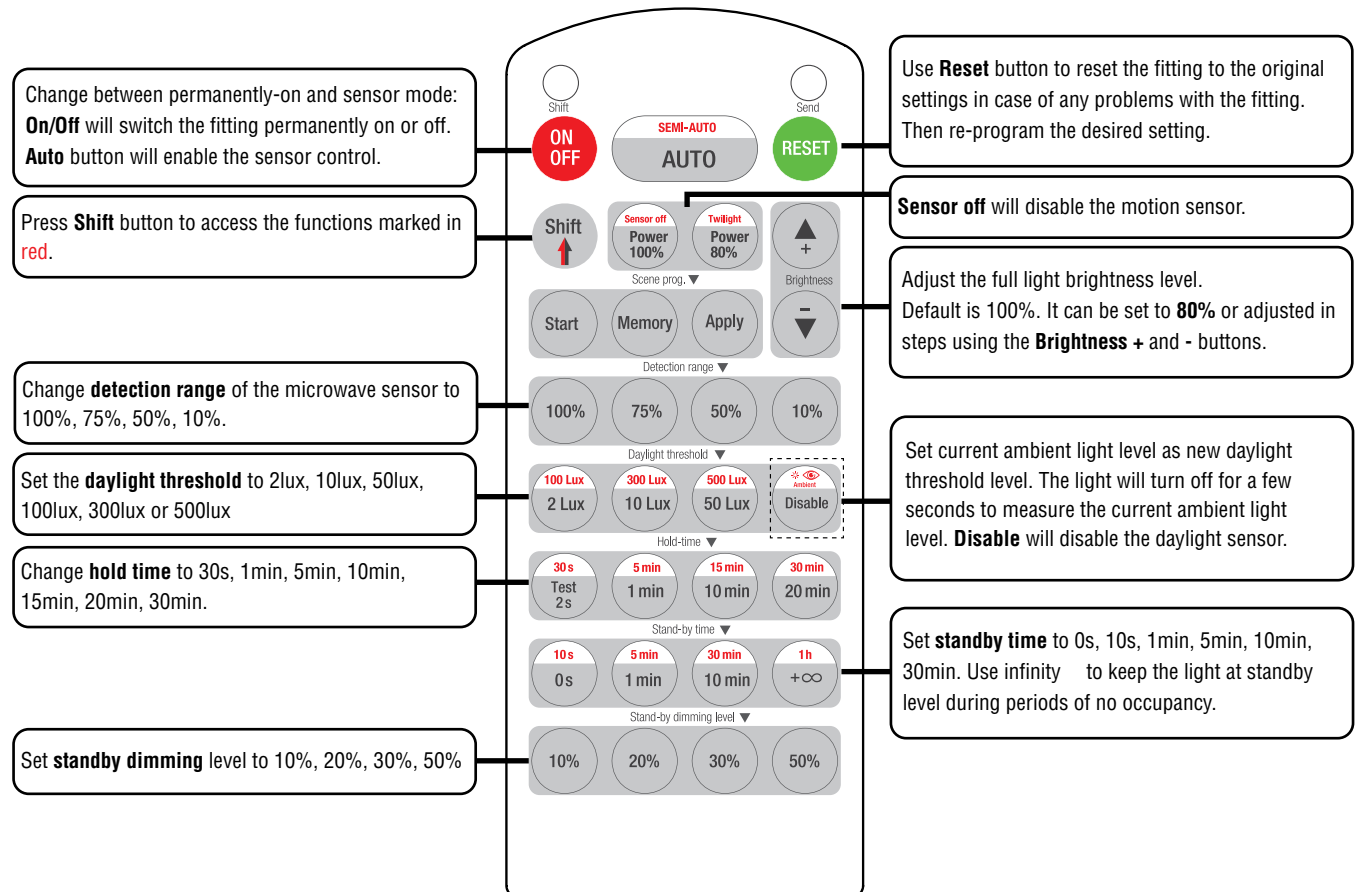
After hold time, the sensor dims the lamp at a low light level if no new motion triggers the light



After stand-by period, the sensor switches off the lamp if no motion is detected in its detection zone.

ADJUSTABLE SENSOR SETTING

The remote commissioning tool is used to adjust settings on the Tauro Eco fitting to suit various environments. To apply a setting to the fitting, point the commissioning tool at the fitting and press the button with desired setting. The fitting will flash if the setting is received successfully.



Change between permanently-on and sensor mode:
On/Off will switch the fitting permanently on or off.
Auto button will enable the sensor control.

Press **Shift** button to access the functions marked in red.

Change **detection range** of the microwave sensor to 100%, 75%, 50%, 10%.

Set the **daylight threshold** to 2lux, 10lux, 50lux, 100lux, 300lux or 500lux

Change **hold time** to 30s, 1min, 5min, 10min, 15min, 20min, 30min.

Set **standby dimming level** to 10%, 20%, 30%, 50%

Use **Reset** button to reset the fitting to the original settings in case of any problems with the fitting. Then re-program the desired setting.

Sensor off will disable the motion sensor.

Adjust the full light brightness level. Default is 100%. It can be set to **80%** or adjusted in steps using the **Brightness +** and **-** buttons.

Set current ambient light level as new daylight threshold level. The light will turn off for a few seconds to measure the current ambient light level. **Disable** will disable the daylight sensor.

Set **standby time** to 0s, 10s, 1min, 5min, 10min, 30min. Use infinity to keep the light at standby level during periods of no occupancy.