

# TEKNIK

LIGHTING SOLUTIONS

# [ENVIROBAY]

LED HIGHBAY

USER MANUAL



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## INTRODUCTION

Thank you for selecting the [ENVIROBAY] LED Highbay. Please ensure that the luminaire is installed in accordance with the below instructions. **Teknik Lighting Solutions Pty Ltd** assumes no responsibility for inappropriate use or installation of the product, including any associated damage caused.

- 5 year warranty
- Unique heat sink design to reduce dust build up
- Smart hook system for easy and quick installation
- Integrated motion and daylight sensor for intelligent lighting control

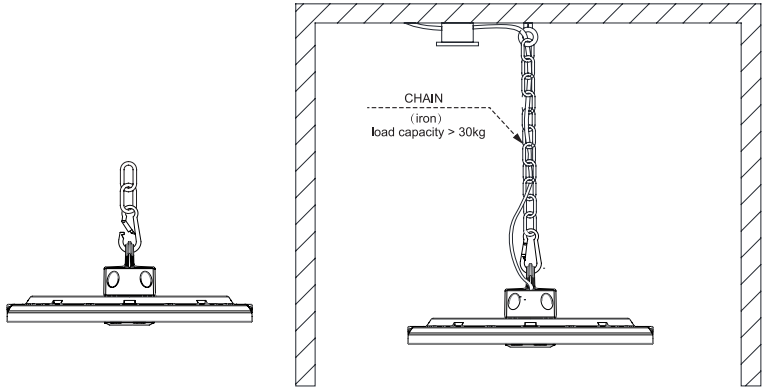
## PRECAUTION

1. Read the entire manual carefully prior to installation and operation.
2. The warranty period is listed on the product as well as on the packaging. Teknik will repair or replace the product if it becomes defective under normal use due to a manufacturing defect within the prescribed period.
3. Declared lumen output is based upon measurements obtained during operation on the appointed LED electronic driver under standardised laboratory conditions.
4. Installation must be performed by a licensed and qualified electrician, in accordance with these instructions and relevant Australian Standards.
5. Instant restart is allowed.
6. Do not change or tamper with any internal electric circuits, add any wires, connectors or cables for any reason.
7. Please do not insert any physical objects of any nature into the fitting as this may cause electric shock, malfunction or damage to the products.
8. Before replacement of the fitting turn the power off and allow to cool down.
9. Minimum distance from luminaire to any flammable object is 2m.
10. In case of weight discrepancy when replacing old lamps, please ensure that the mounted structure is rated to withstand the weight of the new lamp and installation materials.
11. For further information, please contact Teknik ([www.tekniklighting.com.au](http://www.tekniklighting.com.au)) or your local distributor.

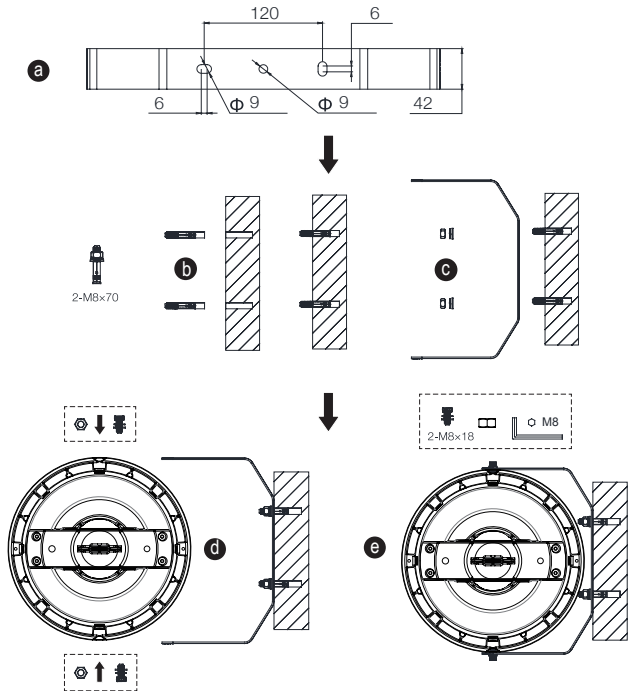
# INSTALLATION DIAGRAM

Note: Supplied safety lanyard should be used for all installation options.

## Hook Mount

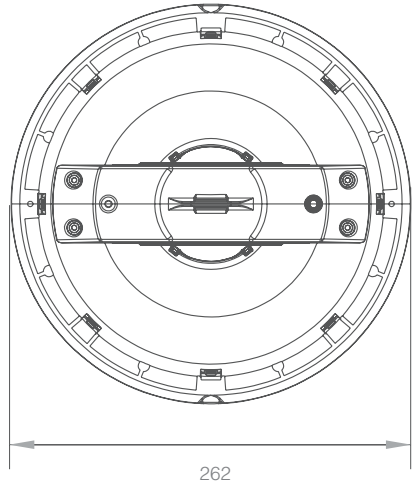
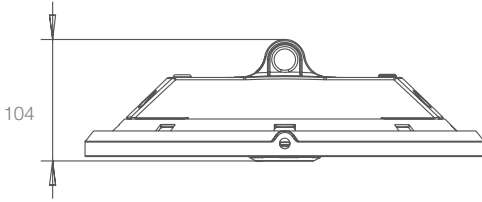


## Bracket Mount (Optional)

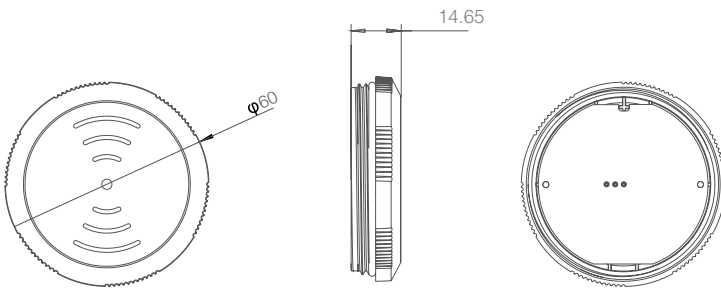


# DIMENSIONAL DRAWING

Unit = mm

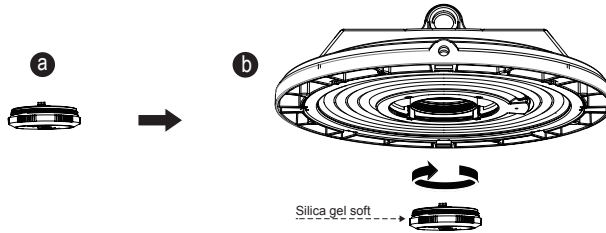


## [ENVIROBAY] Microwave Motion Sensor



## SENSOR INSTRUCTIONS

**Note:** When sensor option is not required, replace sensor module with supplied blanking module



## SENSOR SETTINGS

<b>Detection setting</b>	100% / 75% / 50% / 10%
<b>Hold Time</b>	5s / 30s / 1m / 3m / 5m / 10m / <b>20m</b> / 30m
<b>Stand-by Dim</b>	10% / 20% / <b>30%</b> / 50%
<b>Stand by Time</b>	0s / 10s / 30s / 1m / 5m / 10m / 30m / 60m / ∞
<b>Daylight</b>	2lx / 10lx / 30lx / 50lx / 80lx / 120lx / 200lx / 250lx / 300lx / 350lx / 400lx / <b>disable</b>
<b>Mounting</b>	15m
<b>Detection range</b>	15m (H) x 12m (W)

\*Bold figures are default settings - settings can be changed via the optional Remote Control (HS-REM-LCD)



## SECTION 1: TYPICAL APPLICATIONS

### HF MOTION DETECTOR

#### Daylight Harvesting

When the ambient light is below the selected daylight threshold lux level, The [ENVIROBAY] will adjust its output to maintain that selected level. If no motion is detected for the selected hold time, the [ENVIROBAY] will dim to the selected standby dimming level. If no motion is detected during the standby time, the [ENVIROBAY] will switch to power saver mode (10% light output).



The [ENVIROBAY] will remain off if the ambient light level is above the programmed **daylight threshold** regardless of motion being detected.



When the ambient light level is below the selected **daylight threshold** the [ENVIROBAY] will turn on when motion is detected.

The [ENVIROBAY] turns on at full or dims to maintain the lux level. The light output regulates according to level of natural light available

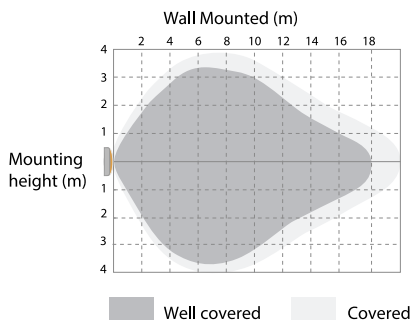
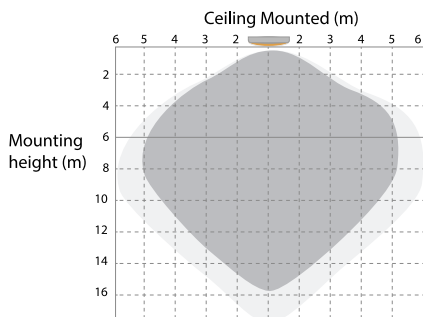


When no movement is detected after the selected **hold time**, light will dim to the selected **standby dimming level**.



The [ENVIROBAY] will enter **power saver mode** (10% light output) when no motion is detected during the selected standby time.

## DETECTION PATTERN



## TROUBLESHOOTING

FAULT	POSSIBLE CAUSE	REMEDY These settings require optional remote control (HS-REM-LCD)
[ENVIROBAY] does not light up	Ambient light level is higher than the set level	Adjust <b>Daylight Threshold</b> setting
	No motion in detection area	Increase <b>Detection Range</b> or create motion in the detection area
[ENVIROBAY] is always on	Continous movement in the detection zone	Decrease <b>Detection Range</b> setting
	<b>Standby Period</b> set to infinity "--"	Set <b>Standby Period</b> to a specific time
[ENVIROBAY] is always on with no apparent motion detection	Sudden change in temperature due to weather (wind, rain, snow) or air expelled from fans, or open windows	Decrease <b>Detection Range</b>
[ENVIROBAY] is not operating at full brightness	Sensor is in Standby mode	Adjust <b>Standby Period</b> or create motion within the detection area
	<b>Power Level</b> has been set using the remote control	Adjust <b>Power Level</b> to 100% or activate <b>Sensor Mode</b> (see remote manual for details)

## DISCLAIMERS

1. This product must be installed and used as per these instructions.
2. This product contains no serviceable parts and no attempt should be made to repair this product. If the product is faulty it should be discarded.
3. This product is not suitable for installation in hazardous and/or corrosive areas.
4. Electrical installations periodically receive transient over voltages. This product has been designed to minimise the effect of such voltages on connected equipment. It may not give full protection for extreme over-voltage transients such as those resulting from a close lightning strike.
5. This product utilises intellectual property in the form of registered designs, trademarks, and/or patents. Such intellectual property remains the property of Teknik Lighting Solutions Pty Ltd in all cases.
6. This product has been designed to operate in ambient temperatures -40°C to + 50°C.