# INSTALLATION INSTRUCTIONS
## Artemis II LED Linear High Bay

novah ®
Specialists in LED Lighting

## CONTENTS

## WHAT'S IN THE BOX

1 x Artemis

2 x Cable suspension kit

2 x Adjustable surface mount brackets
(If ordered code: AHBSMB).

## KEY FEATURES

| | | | |
|---|---|---|---|
| **Colour Temp:** 5000K | **CRI:** >80 | **Working temperature:** -30°C to 50°C* | **Standards:** IP66, IK10 |

## HOW TO ORDER

| | |
|---|---|
| **EL75AHB2R** | Artemis II 75W Artemis Luminaire with Rack lens 30 x 90° beam |
| **EL75AHB2W** | Artemis II 75W Artemis Luminaire with Wide lens 60 x 100° beam |
| **EL120AHB2R** | Artemis II 120W Artemis Luminaire with Rack lens 30 x 90° beam |
| **EL120AHB2W** | Artemis II 120W Artemis Luminaire with Wide lens 60 x 100° beam |
| **EL150AHB2R** | Artemis II 150W Artemis Luminaire with Rack lens 30 x 90° beam |
| **EL150AHB2W** | Artemis II 150W Artemis Luminaire with Wide lens 60 x 100° beam |

When ordering, please specify the product variation you are interested in by adding the following suffixes to the product's code.

**E:** Emergency (*Note working temperature is 5°C to 35°C) Physically attached to Artemis unit.

**F:** Emergency Self-Test (*Note working temperature is 5°C to 35°C) Physically attached to Artemis unit.

**EB:** Emergency (*Note working temperature is 5°C to 35°C) Emergency Kit loose from main fitting with 1m flex

**FB:** Emergency Self-Test (*Note working temperature is 5°C to 35°C) Emergency Kit loose from main fitting with 1m flex

**N:** Microwave Dimmable, On/Off with Lux sensor (Note 1 x MH10 remote required to program available separately)

**P:** PIR Sensor & Daylight Harvesting (requires specialist commissioning, contact Novah for more details)

Example: An Artemis II 75W High Bay 30° x 90° with Emergency Self-Test, and Microwave sensor would be:

**EL75AHB2RFN** which is **EL75AHB2R** + **F** + **N**

Note: any additional codes to be added in alphabetical order.
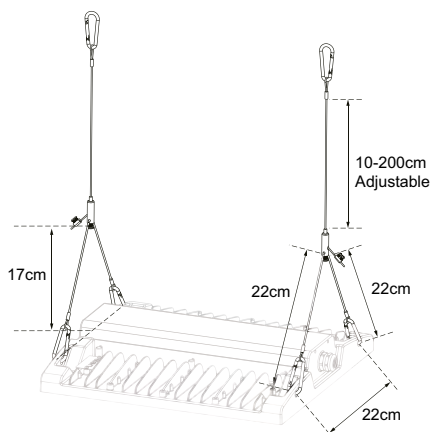
## WARNING AND WARRANTY EXCLUSIONS

It is recommended that luminaires are installed by a qualified Professional and the installation complies with the current IEE wiring regulations. Standard terms and conditions apply see website for full details.

- This luminaire is for professional use only and not to be used in a domestic environment.
- Any broken or damaged parts should be reported to the retailer as soon as possible before installation.
- Novah will not accept responsibility for claims arising from sub-standard installation, which will void the warranty.
- The external cable flex is fixed and should not be replaced. If the cable is damaged the luminaire will fail.
- Terminal block/connectors are not included. Installation may require advice from a qualified person.

- CAUTION. Do not open the luminaire for risk of electric shock and invalidating the warranty.
- The light source of this luminaire is not replaceable by the end user.
- It may be necessary to upgrade your RCD/MCBs to allow for increased inrush current.
- Take note of the ambient/working temperature.
- Ensure that you have the tools and accessories required to complete the installation correctly: Isolate the power before starting installation.
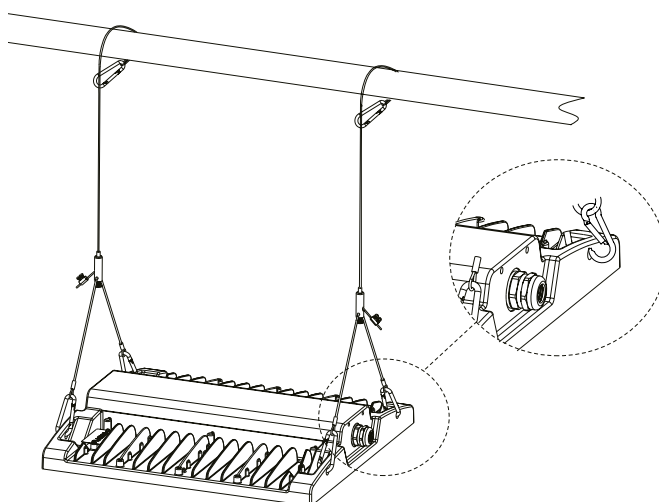
# HOW TO FIT SUSPENSION MOUNTING
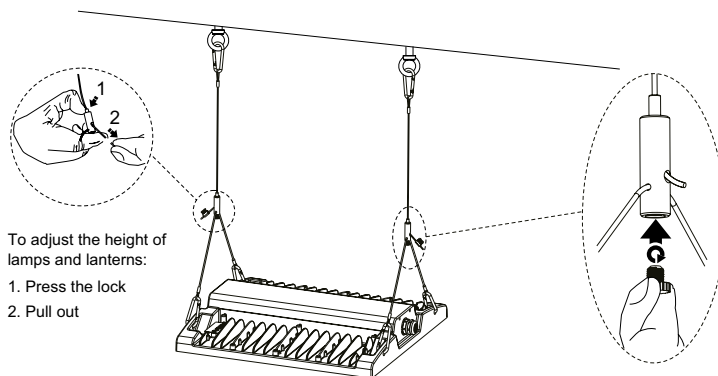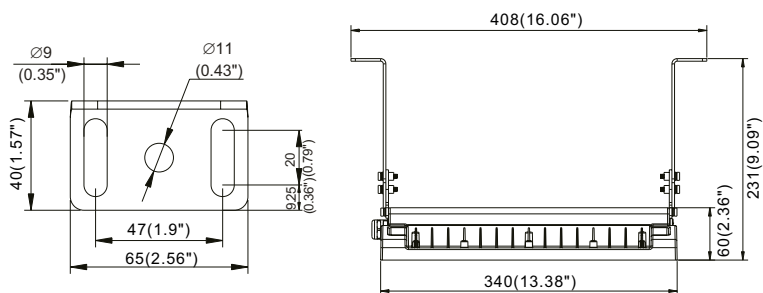
## A. Suspension mounting

**1**

10-200cm Adjustable

17cm

22cm

22cm

22cm

**2**

**3**

To adjust the height of lamps and lanterns:
1. Press the lock
2. Pull out

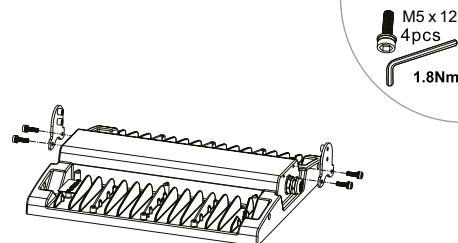# HOW TO FIT ADJUSTABLE SURFACE MOUNT BRACKETS

## B. Rotatable bracket mounting

∅9 (0.35")

∅11 (0.43")

40(1.57")

9.25 (0.36")

20 (0.79")

47(1.9")

65(2.56")

408(16.06")

231(9.09")

60(2.36")

340(13.38")

**1**

M5 x 12
4pcs

1.8Nm
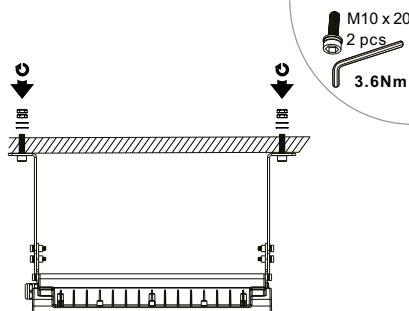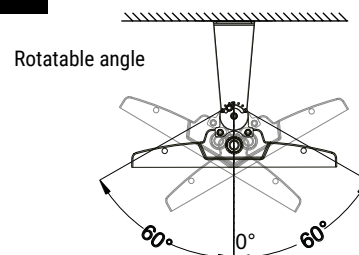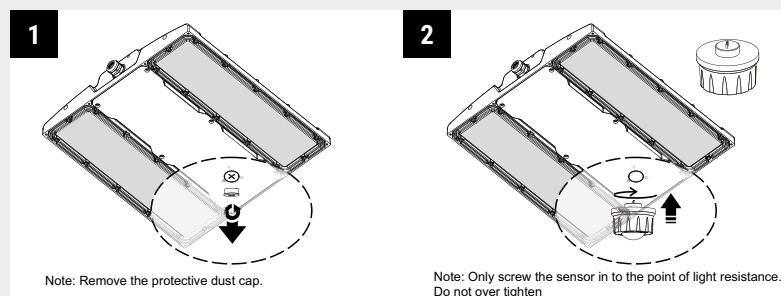
**2**

M5 x 16
4pcs

1.8Nm

**3**

M10 x 20
2 pcs

3.6Nm

**4**

Rotatable angle

60°   0°   60°

# HOW TO FIT SENSOR (MICROWAVE: ELSV4N OR PIR: ELSV4P)

**EL75/EL120/EL150** NETT WEIGHT: 3.8Kg



Note: Remove the protective dust cap.



Note: Only screw the sensor in to the point of light resistance.
Do not over tighten

**ELSV4N/ELSV4P** NETT WEIGHT: 50g

|  | Microwave Motion Sensor | PIR Sensor |
|---|---|---|
| **Default Setting** | Detection Area: 100%<br>Hold Time: 3min<br>Daylight Threshold: Disable<br>Stand-by DIM Level: 50%<br>Stand-by Period: 5min | |
| **Mounting Height** | Max 15m/49ft | Max 12m/39.37ft |
| **Detection Range** | Radius 3-7m/9.84-22.96ft | Radius 3-6m/9.84-19.686ft |

# REMOTE CONTROL: SCREEN DISPLAY, MEMORY AND APPLY FUNCTION, OPTIONAL SCENES

**Model:** ELSV4R



**Briefing of button functions**

| Buttons | Function | Performance |
|---|---|---|
| ON/OFF | ON/OFF | Turn sensor ON or OFF |
| MW/PIR | MW/PIR | Exchange from Microwave detection to PIR detection, for future use |
| Scene | Reset | Press to start detection programming; before pressing any other buttons, the screen shows default programming (Detection Area 100%, Holdtime 5S, Daylight Disable, Standby Dimming 10%, Standby Period 0S) |
| Start | Start | Press before you try to memorize program into the remote. After pressing, S on the screen will blink and keeping blinking while making the program |
| Memory | Memory | Press after programming, the blinking S will become a solid M, this means the program has been correctly memorized |
| Apply | Apply | Press to deliver the pre-set program to the specific sensors; every press will make the whole screen blink gently |
| | Detection area | Also known as "sensitivity", 100% means the highest sensitivity and longest distance. Press, specific icon on the screen will blink and press the + - buttons to adjust |
| | Hold time | The period that the light will stay illuminated 100% after no motion is detected. Press, the specific icon on the screen will blink and press the + - buttons to adjust |
| | Daylight threshold | The pre-set lux level to compare with ambient brightness when motion is detected. Press, specific icon on the screen will blink and press the + - buttons to adjust |
| | Standby period | The period after holdtime, during which the light keeps standby dimming level. Press, specific icon on the screen will blink and press the + - buttons to adjust |
| | Standby dimming level | After holdtime, the light will dim from 100% to optional standby dimming levels. Press, specific icon on the screen will blink and press the + - buttons to adjust |
| | UP | The main functional buttons to adjust the factors to required level |
| | DOWN | |
| Test (2S) | POWER | Support manual change dimming output in detection mode. Press, specific icon on the screen will blink and press the + - buttons to adjust |
| POWER % | Test mode | Supports checking if the sensor works correctly with a short 2S holdtime. Press and the holdtime will change to 2S and it can't be memorized |

## How to program the presence Microwave (MW) or PIR Sensor (FOR dimming use, see overleaf)

1. Press Scene on the remote.
2. Select MW/PIR to which sensor you have (M or P will appear on the screen).
3. Press Start and the S will blink on the remote control.
4. Choose each of the functional buttons and press + or – to adjust. The setting will be displayed on the remote:
   a. Power % - Used to adjust the brightness when presence is detected (Recommended 100%).
   b. Detection Range – Used to set the sensitivity of the sensor (100%, 75%, 50% or 25%).
   c. Hold Time – How long the luminaire will stay on before going to its next program (5S, 30Seconds, 1, 3, 5, 10, 20 or 30 Minutes) .
   d. Standby dimming level – How bright the unit will be when no presence is detected (10, 20, 30 or 50%).

   e. Standby Period – How long the unit will stay on in standby dimming level (0S (note this will deactivate the standby level and turn the unit off after the hold time), 10s, 30seconds, 1, 5, 10, 30, 60, - - (this is permanently).
   f. Daylight sensor – This is a photocell feature and can be used to set at what point in darkness the lights will turn on/off (Note we advise not to use this as different luminaire detect different levels of brightness which will result in some being on and others not).
5. Press Memory (this will store the program in the remote).
6. Press Apply (this will send the program to the Luminaire).

You can now stand under each luminaire, point the remote in direction and simply press apply to send the program to each one. The unit will flash once to indicate that it has received the program.

**How to adjust the brightness of the operating luminaire permanently**

1. Point the Remote directly at the sensor and press the following buttons:
2. Press ON/OFF to turn off the light.
3. While off and still pointing at the luminaire use the up and down arrows to set the desired brightness (Note it is advised not to set the unit below 50%).

4. Press On/Off button and the luminaire will turn off and back on to indicate that the brightness has been permanently set.
5. The luminaire will remember this setting even when turned off by a switch on the wall.

The process must be repeated to each luminaire you wish to operate like this.

## SPECIFICATION
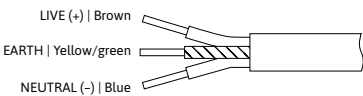
**Power Supply information**

| Wattage | Input Voltage | Surge inrush | Surge Protection | Power Factor | Weight | Dimensions |
|---------|--------------|--------------|------------------|-------------|--------|-----------|
| 75W | | 100A Cold Start (200µs) | | | 3.8kg | 340x325x60mm |
| 120W | 220-240Vac 50/60Hz | 100A Cold Start (200µs) | CM: 10kV DM: 6kV | 0.96 | 3.8kg | 340x325x60mm |
| 150W | | 100A Cold Start (200µs) | | | 3.8kg | 340x325x60mm |

Driver tested at 240Vac 25°C Ta. All drivers fitted with 1-10Vdc dimmable capability. NOTE: It may be necessary to upgrade your RCD/MCB type to allow for increased inrush current.
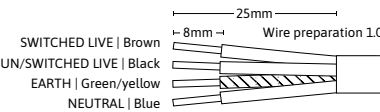
**How to wire**

**Standard version connection**
200-240V~50/60Hz / Class I ⏚

LIVE (+) | Brown
EARTH | Yellow/green
NEUTRAL (–) | Blue

**Emergency version connection**
200-240V~50/60Hz / Class I ⏚

25mm
8mm         Wire preparation 1.0

SWITCHED LIVE | Brown
UN/SWITCHED LIVE | Black
EARTH | Green/yellow
NEUTRAL | Blue

All units come with 1m prewired 3 core mains flex, Emergency versions are fitted with 4 core mains flex.

Terminal block must comply to EN 60998-2-1 or EN 60998-2-2

## PRODUCT VARIANTS

**"E" and "F" Emergency versions**

All Emergency options are 4W giving a maintained output of 700LM.

E = Standard 3 hour emergency.

F = Self-Test 3 Hour emergency DALI (compatible).

Please allow for 24 hours for the batteries to fully charge.

**"N" and "P" versions**

"N" Microwave Sensor Version.

All Microwave products are programmed via the MH10 remote (available separately).

"P" PIR and Daylight harvesting sensor: Note these require specialist on site programming (contact Novah for more details).

## IMPORTANT WARRANTY INFORMATION

This product is supported by 2-year standard warranty that if registered by the installer within the first year will increase by an additional 5 year (7 years in total).

Emergency versions have 5-year warranty on the control gear and the batteries have 2-year warranty.

Terms and conditions apply see website for more details.

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