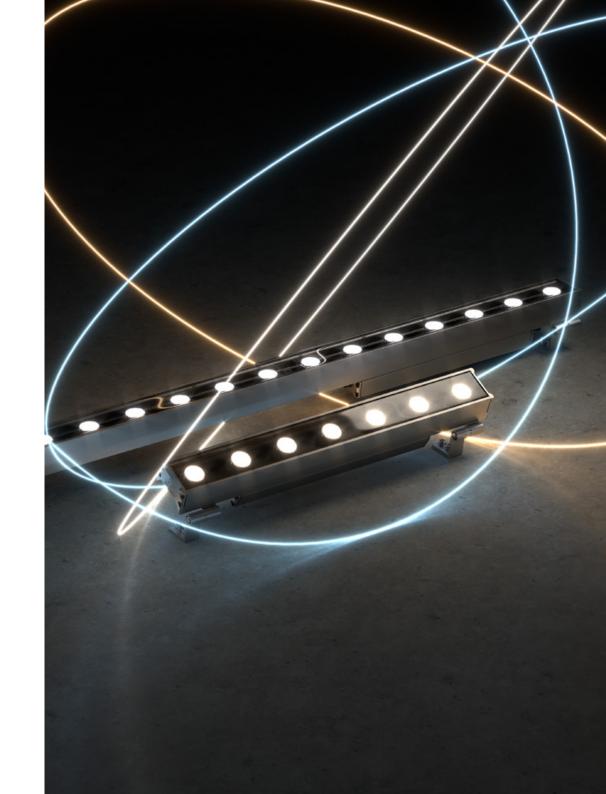
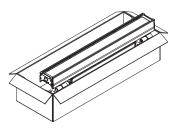


ARIA TW
INSTALLATION
& MAINTENANCE
INSTRUCTIONS

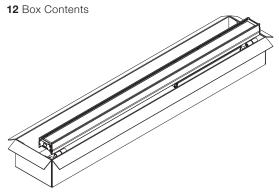


### INCLUDED

### 06 Box Contents

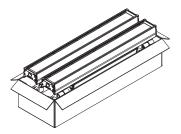


- 1x 600mm Fitting
- Mounting Brackets (Integral)

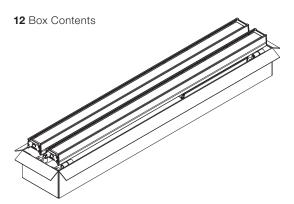


- 1x 1,200mm Fitting
- Mounting Brackets (Integral)

### **06** Box Contents



- 2x 600mm Fitting
- Mounting Brackets (Integral)



- 2x 1,200mm Fitting
- Mounting Brackets (Integral)

CONTENTS	LUMINAIRE DIMENSIONS (LXWXH)	BOX DIMENSIONS (LXWXH)	WEIGHT
1 x <b>06</b> Luminaire	582 x 191 x 121mm	600 x 200 x 130mm	4.5kg
2 x <b>06</b> Luminaire	582 x 191 x 121mm	600 x 200 x 130mm	9.0kg
1 x <b>12</b> Luminaire	1,162 x 191 x 121mm	1,180 x 200 x 130mm	9.0kg
2 x <b>12</b> Luminaire	1,162 x 191 x 121mm	1,180 x 200 x 130mm	18.0kg
Run Box	Varies depending on quantity	600 x 200 x 130mm	Varies

## **A** ATTENTION

- Please observe / follow the instructions methodically.
- Please ensure the units are handled with extreme care.
- Do not remove product from packaging prematurely. Only remove from packaging when ready for installation.
- Failure to observe installation instructions and handling will void warranty of the product.
- Fittings must be installed by a licensed electrician.
- Before installing, make sure the power supply is switched off or mains cable is disconnected.
- · Aria is designed for a wide range of applications, including those with low vibrations such as bridges and fixed metal structures. However, is not designed for heavy-duty environments with excessive vibration.

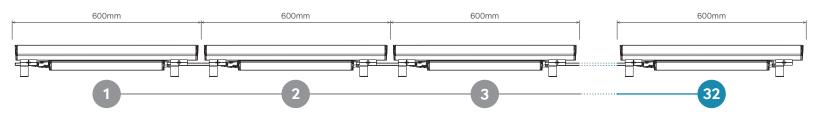


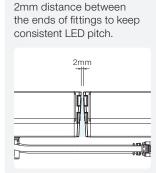
- Allen Key
- · Cable Plastic Caps
- Cable Kits

## ■ INSTALLATION LIMITS @ 230VAC

### **06** Version

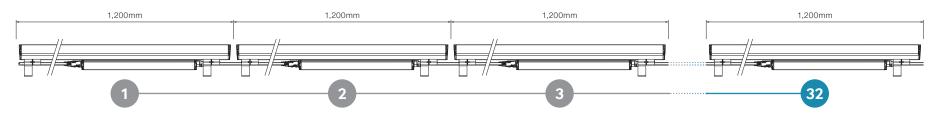
Maximum 32 x 600mm fittings per individual run.





### 12 Version

Maximum 32 x 1,200mm fittings per individual run.



### **06 + 12** Version

Installation limits when 600mm and 1,200mm units used in combination:

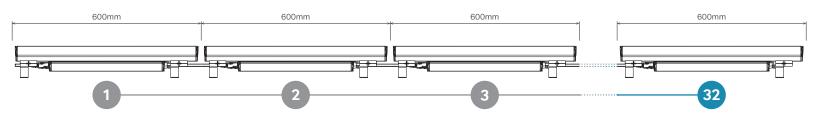
600mm Units	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Max 1,200mm Units	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1,200mm Units Max 600mm Units	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Max 600mm Units	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0

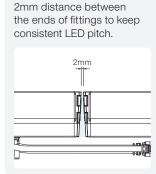


## • INSTALLATION LIMITS @ 120VAC

### **06** Version

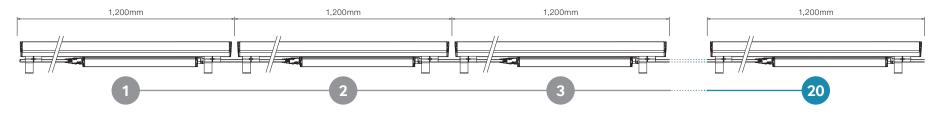
Maximum 32 x 600mm fittings per individual run.





### 12 Version

Maximum 20 x 1,200mm fittings per individual run.



### **06 + 12** Version

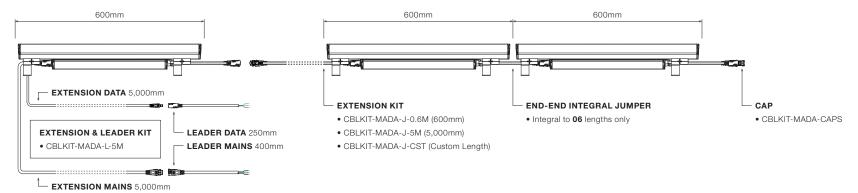
Installation limits when 600mm and 1,200mm units used in combination:

600mm Units	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Max 1,200mm Units	19	19	18	18	17	17	16	16	15	15	14	14	13	13	12	12	11	11	10	10	9	9	8	8	7	6	5	4	3	2	1	0
1,200mm Units	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20												
Max 600mm Units	31	30	29	28	27	26	25	24	22	20	18	16	14	12	10	8	6	4	2	0												

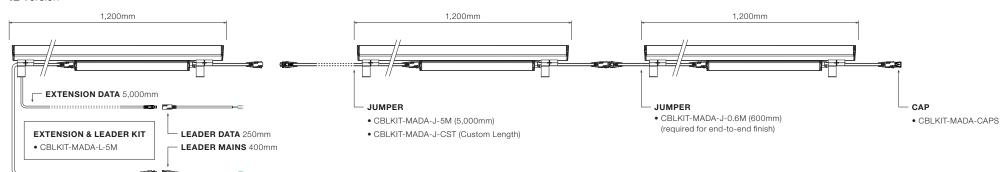


### WIRING CONFIGURATION

### 06 Version



### 12 Version



MAINS Loom Wiring **DATA** Loom Wiring Connector Pin-outs DALI Tunable White Power Output Power Input Control Output Control Input (Male) (Male) (Female) (Female) ② Neutral Active 3 Earth **1** DALI (+) 2 DALI (-) 3 NC

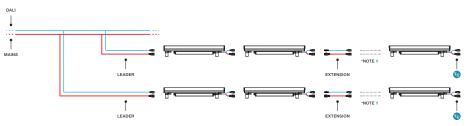


**EXTENSION MAINS** 5,000mm



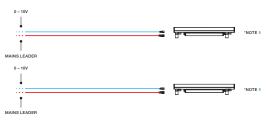
## WIRING DIAGRAMS

### DALI INSTALLATION



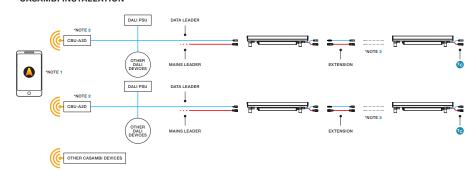
<sup>1</sup>Control limits defined by the DALI system

#### 0-10V INSTALLATION



<sup>1</sup>Single luminaire control

### CASAMBI INSTALLATION



- <sup>1</sup>Please refer to Casambi's documentation about system limits and range
- <sup>2</sup> Please refer to CBU-A2D documentation for reference
- <sup>3</sup> Control limits defined by the DALI system

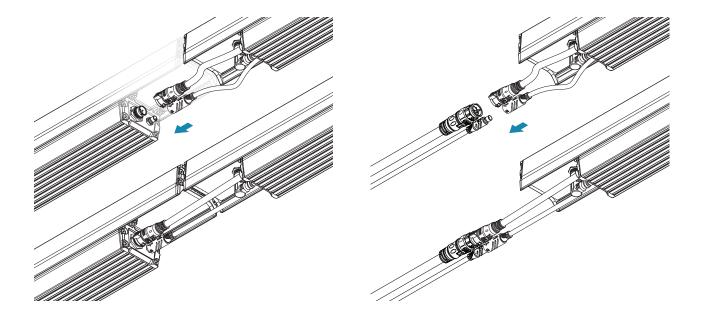


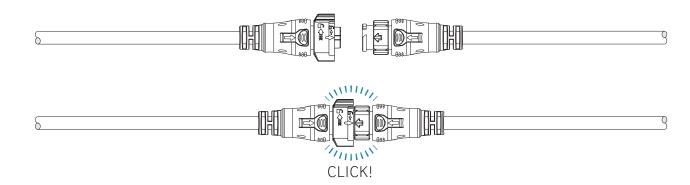


### CONNECTION

Before installation begins, please ensure that you understand the fitting layout as per luminaire schedule Consider both fitting lengths 600mm and 1,200mm.

Ensure you have enough extensions and required extra links for 1,200mm luminaires as well as leader cables and caps.



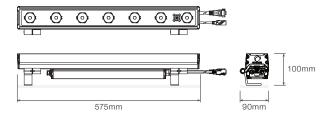




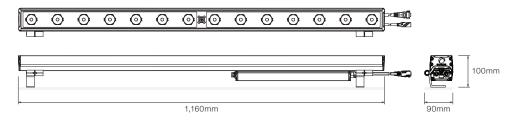


## DIMENSIONS

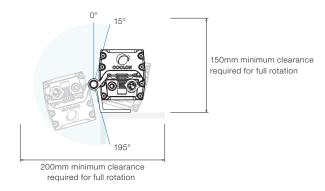
### 06 Version



### 12 Version



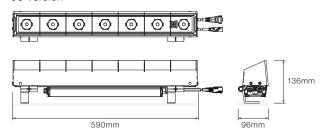
## ROTATION WITH MOUNTING BRACKETS



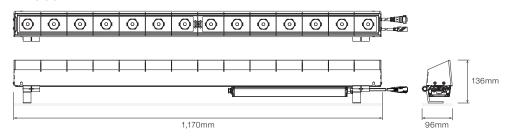


## DIMENSIONS WITH GLARE SHIELD

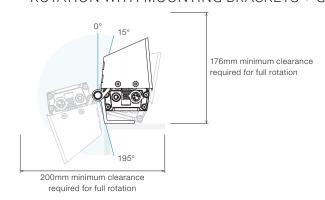
### 06 Version



### 12 Version



## ROTATION WITH MOUNTING BRACKETS + GLARE SHIELD





## MOUNTING FOOTPRINTS

### **06** Version



### 12 Version



MINIMUM RECOMMENDED FASTENERS PER LUMINAIRE:

4 x M5 bolts for single luminaires

MOUNTING BRACKET MATERIAL: Aluminium

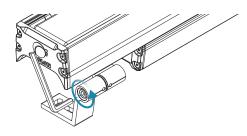
APPLICATION: Low vibration



## ADJUSTING THE MOUNTING BRACKET

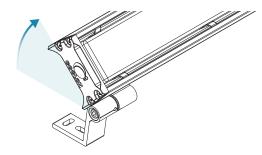
## • STEP 1

Loosen **Screws A** and **B** counter clockwise to allow for rotation of the luminaire.



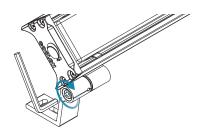
## • STEP 2

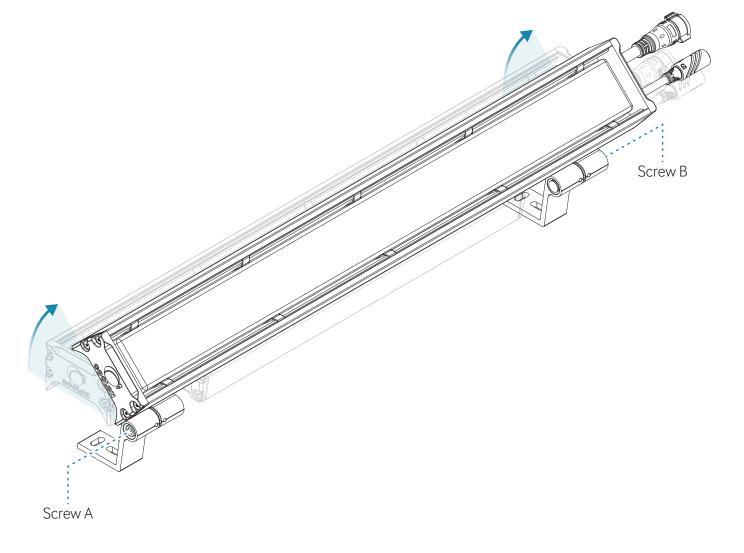
Rotate the luminaire to your desired angle.



## • STEP 3

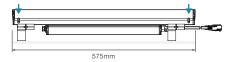
Tighten Screws~A and B clockwise to lock into position (9Nm).

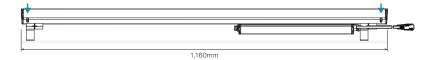


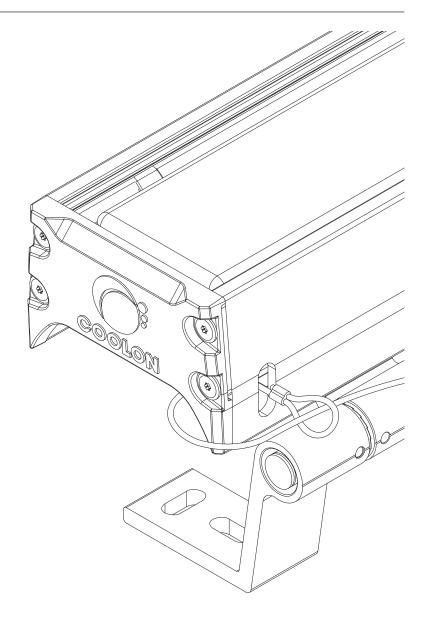


## LUMINAIRE SAFETY LANYARD PROVISIONS

Please utilize provisioned apertures if safety lanyards are required in the installation.







### MAINTENANCE GUIDE



### **1** NOTE

All inspections and maintenance must be carried out in accordance with site safety procedures and applicable electrical regulations. Always isolate power before working near electrical equipment.

### 1. OVERVIEW OF PRODUCT CHARACTERISTICS

These features help ensure long service life and minimal maintenance requirements:

- Fully sealed luminaire body. No user-serviceable parts.
- High-grade aluminium body, UV stable polyurethane encapsulation and IP-rated Push-lock connectors.
- Specifically designed for outdoor environments.
- Minimal maintenance required other than regular visual checks and cleaning when necessary.

### 2. HALF-YEARLY VISUAL INSPECTION

Aspects to be inspected without the need for any tools. Escalate immediately if any of the following are present:

# 2.1 BUILDUP OR OBSTRUCTION ON THE ILLUMINATED SIDE

- Dirt, dust, spider webs, other insects, debris, paint overspray, stickers, bird droppings, foliage, etc.
- Anything significantly blocking the light warrants escalation.

### 2.2 OVERALL LUMINAIRE INTEGRITY

- · Cracks in the diffuser or housing.
- Loose, damaged or structural instability of brackets and or mountings.
- · Significant rust or corrosion.
- Impact damage.
- Moisture condensation or water pooling inside the lens cavity (light fogging may happen; heavy droplets warrant escalation).
- · Water pooling around the luminaire.
- · Evidence of tampering.

#### 2.3 CABLES AND CONNECTORS

- · Cables pinched, frayed, or chafing on metal edges.
- Exposed copper or insulation cracking.
- · Connectors with visible damage.
- · Connectors aren't fully seated and mechanically locked.
- Water pooling around connectors or low-lying cable runs.

### 2.4 ELECTRICAL ISSUES

- Recurrent tripping, flickering, or non-functional sections.
- Signs of overheating (burn marks, deformation, etc.).

### 2.5 SURROUNDINGS

 Check that building works, landscaping changes, or cleaning contractors have not introduced risks to luminaires (e.g., silicone residue, accidental painting of the diffuser, new water jets pointed directly at fittings).



### MAINTENANCE GUIDE

# 3. CLEANING (WHENEVER NECESSARY AS PER SECTION 2)

Purpose: To ensure safe cleaning without damaging the polyurethane optical encapsulant.

### **3.1 GENERAL GUIDELINES**

- Clean the luminaire only when powered off and cool to touch.
- Avoid excessive rubbing or abrasive tools.
- Do not allow any cleaning agent to sit or soak on the encapsulated surface.
- Always test any unfamiliar cleaner on a small inconspicuous area first.

### **3.2 APPROVED CLEANING AGENTS**

The following products are safe for regular cleaning when used as directed:

Primary Recommended Cleaners:

- Warm water and neutral pH soap (diluted dishwashing liquid is ideal).
- Commercial pH-neutral surface cleaners (non-solvent type).

### Special Cases:

- Isopropyl Alcohol (IPA), ≤70%, is permitted for quick spot cleaning
  - · Apply for less than 10 seconds
  - · Wipe immediately with water afterward
  - · Do not soak or repeat excessively

#### 3.3 CLEANING PROCEDURE

Step 1 - Preparation

- i. Disconnect power to the luminaire.
- ii. Allow the unit to cool.
- iii. Gently blow off loose dust or particles (compressed air or soft brush).

### Step 2 - Washing

- i. Prepare a cleaning solution of warm water + mild detergent.
- ii. Moisten a soft cloth or sponge.
- iii. Wipe the polyurethane encapsulated area with light to moderate pressure.

### Step 3 - Rinsing

i. Rinse the surface with clean water to remove any soap residue.

### Step 4 – Drying

- i. Wipe dry using a lint-free cloth.
- ii. Ensure no cleaner remains in edges or around the gasket areas.

### 3.4 PROHIBITED CLEANING AGENTS

The following cleaners must not be used, as they can permanently damage polyurethane encapsulation:

### Strong Solvents

- Acetone
- MEK
- MIBK
- Toluene / Xylene
- Paint thinners
- · Petrol, kerosene, diesel
- White spirits or mineral turpentine

### Alcohols (excessive exposure)

- IPA or ethanol when used for soaking or long dwell times
- Methanol (avoid entirely)

### High-pH or Low-pH Cleaners

- Caustic or alkaline degreasers
- Acidic descalers
- Industrial cleaners containing strong acids or alkalis

#### Abrasives

- Scouring pads
- Dry abrasive powders
- Sanding or cutting tools

### 3.5 ENVIRONMENTAL CONSIDERATIONS

- If the luminaire has been exposed to mining grime, diesel mist, or hydrocarbon contamination, clean immediately using only approved neutral cleaners.
- Do not store cleaned luminaires in sealed containers before fully dry.

### **3.6 WARRANTY NOTE**

Damage to the polyurethane caused by unapproved cleaning agents or abrasive methods is not covered under warranty.

