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ARIA RGBW INSTALLATION INSTRUCTIONS
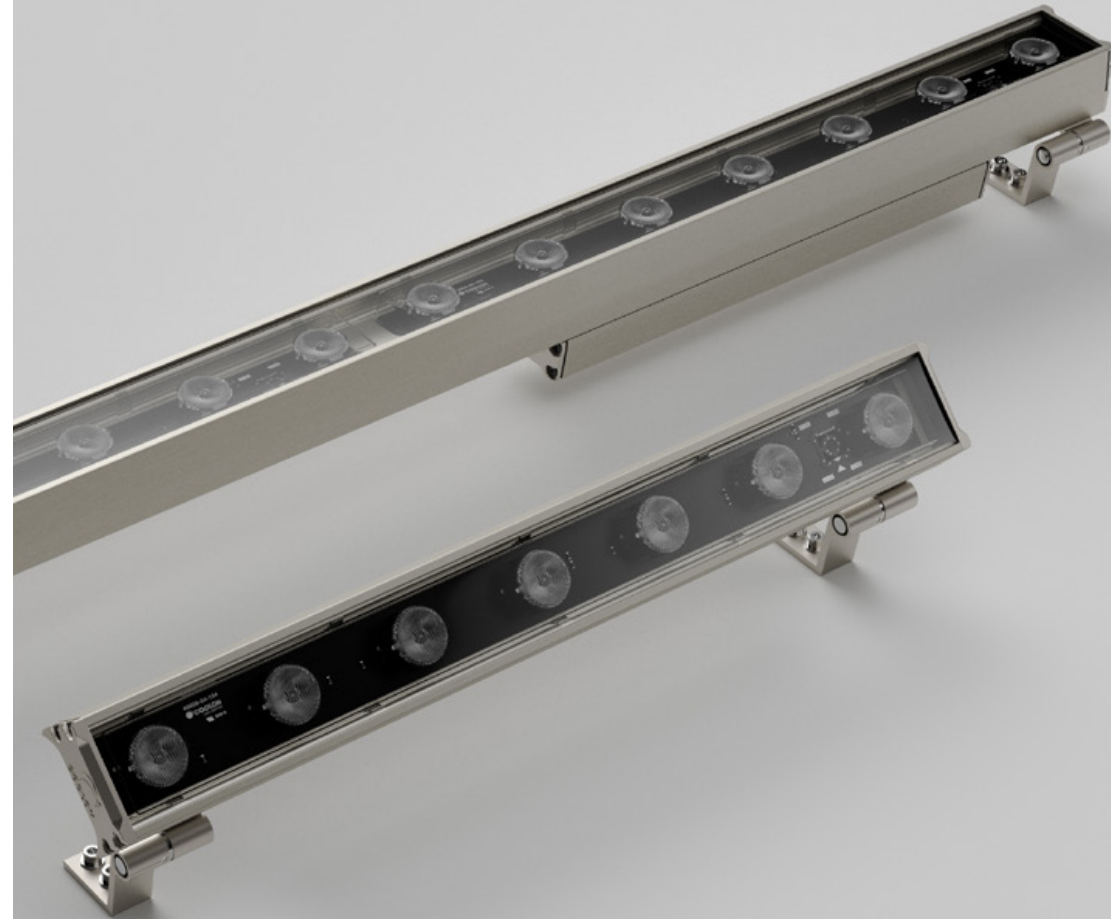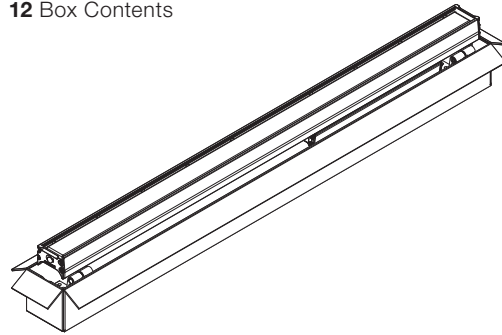
▪ INCLUDED

06 Box Contents

12 Box Contents
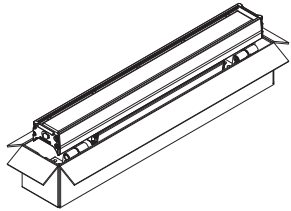
+ Run Box

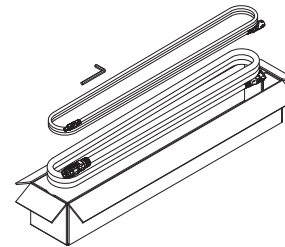- 600mm Fitting
- Mounting Brackets (Integral)

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

- Allen Key
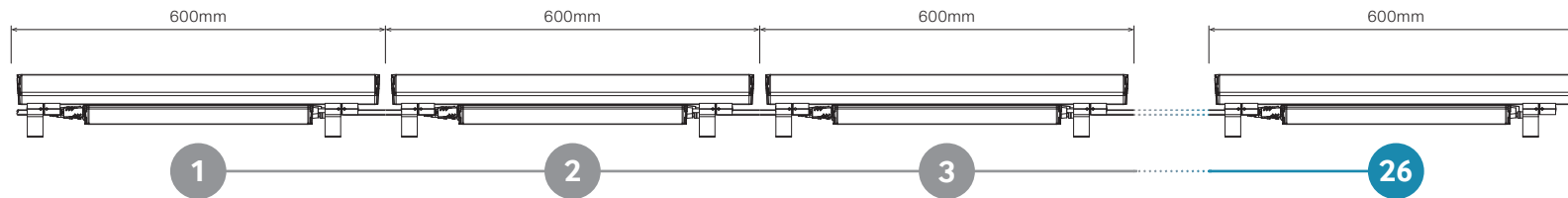- Cable Plastic Caps
- Cable Kits

⚠ 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.

CONTENTS	LxWxH DIMENSIONS
1 x **06** Luminaire	582 x 191 x 121mm
2 x **06** Luminaire	582 x 191 x 121mm
1 x **12** Luminaire	1,162 x 191 x 121mm
2 x **12** Luminaire	1,162 x 191 x 121mm
Run Box	Varies depending on quantity

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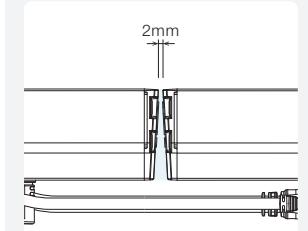
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▪ INSTALLATION LIMITS @ 230VAC

06 Version

Maximum 26 x 600mm fittings per individual run.

2mm distance between the ends of fittings to keep consistent LED pitch.

600mm	600mm	600mm	600mm

1   2   3   26

2mm

12 Version

Maximum 26 x 1,200mm fittings per individual run.
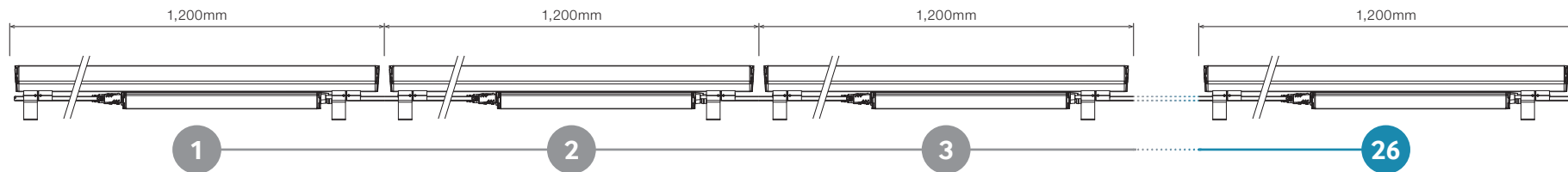
1,200mm	1,200mm	1,200mm	1,200mm

1   2   3   26

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
Max 1,200mm Units	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	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
Max 600mm Units	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

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▪ INSTALLATION LIMITS @ 120VAC

06 Version

Maximum 26 x 600mm fittings per individual run.

2mm distance between the ends of fittings to keep consistent LED pitch.

600mm | 600mm | 600mm | 600mm

2mm

1   2   3   26
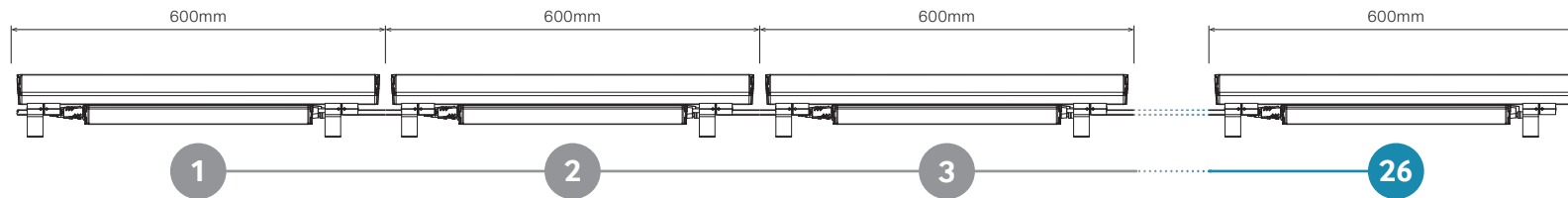
12 Version

Maximum 13 x 1,200mm fittings per individual run.
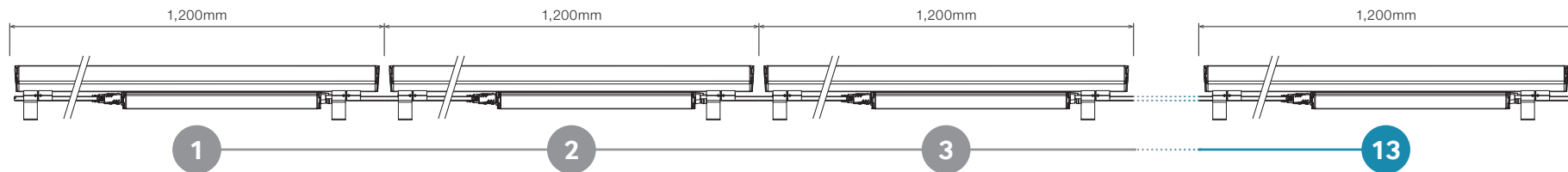
1,200mm | 1,200mm | 1,200mm | 1,200mm

1   2   3   13

06 + 12 Version

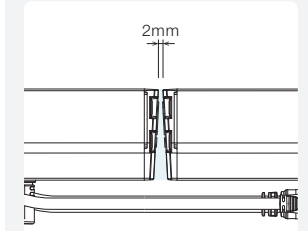Installation limits when 600mm and 1,200mm units used in combination:

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
Max 1,200mm Units	12	12	11	11	10	10	9	9	8	8	7	7	6	6	5	5	4	4	3	3	2	2	1	1	0	0

1,200mm Units	1	2	3	4	5	6	7	8	9	10	11	12	13
Max 600mm Units	24	22	20	18	16	14	12	10	8	6	4	2	0

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▪ WIRING CONFIGURATION

06 Version

600mm   600mm   600mm

EXTENSION DATA 5,000mm

EXTENSION KIT
- CBLKIT-MADA-J-0.6M (600mm)
- CBLKIT-MADA-J-5M (5,000mm)
- CBLKIT-MADA-J-CST (Custom Length)

END-END INTEGRAL JUMPER
- Integral to **06** lengths only

CAP
- CBLKIT-MADA-CAPS

EXTENSION & LEADER KIT
- CBLKIT-MADA-L-5M

LEADER DATA 250mm

LEADER MAINS 400mm

EXTENSION MAINS 5,000mm

12 Version

1,200mm   1,200mm   1,200mm

EXTENSION DATA 5,000mm

JUMPER
- CBLKIT-MADA-J-5M (5,000mm)
- CBLKIT-MADA-J-CST (Custom Length)

JUMPER
- CBLKIT-MADA-J-0.6M (600mm)
  (required for end-to-end finish)

CAP
- CBLKIT-MADA-CAPS

EXTENSION & LEADER KIT
- CBLKIT-MADA-L-5M

LEADER DATA 250mm

LEADER MAINS 400mm

EXTENSION MAINS 5,000mm

DATA Pinouts

DATA F OUTPUT

DATA M INPUT

DMX + Green / White

DMX − Green

COMMON Grey

MAINS Pinouts

POWER F OUTPUT

POWER M INPUT

ACTIVE Black

NEUTRAL White

EARTH Green

▪ WIRING DIAGRAMS

ARIA STANDALONE INSTALLATION

DMX/RDM (FULL FRAMES)

MAINS LEADER

EXTENSION

Tc

ARIA IN MIXED INSTALLATIONS Option 1 Self Addressing

DMX/RDM (FULL FRAMES)

OTHER 3RD PARTY DMX/RDM PRODUCTS

MAINS LEADER

EXTENSION

Tc

Located at beginning of DMX line

Arias must be at the end of DMX line

ARIA IN MIXED INSTALLATIONS Option 2 RDM

ADDRESSED DMX

DMX/RDM

3RD PARTY RDM

RDM PIXEL NEO

3RD PARTY RDM

MAINS LEADER

EXTENSION

Tc

To other 3rd party DMX/RDM products
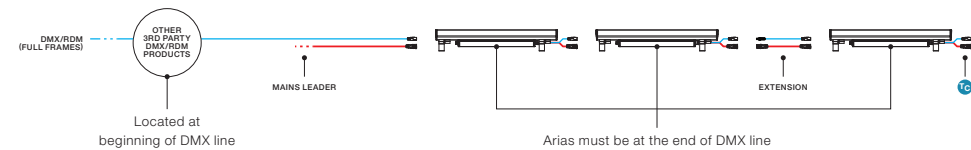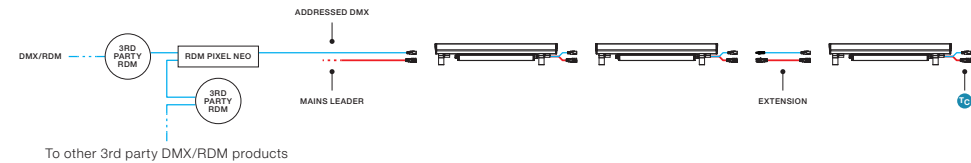
ARIA WITH CASAMBI CONTROL

DMX LEADER

CTR-casDMX

MAINS LEADER

EXTENSION

Tc

DMX LEADER

CTR-casDMX

MAINS LEADER

EXTENSION

Tc
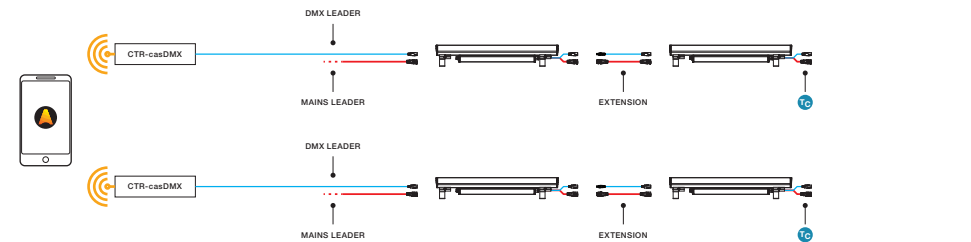
[1] Up to 2 Aria luminaires per casDMX   [2] Please refer to casDMX documentation for reference

Tc ——— Termination Caps

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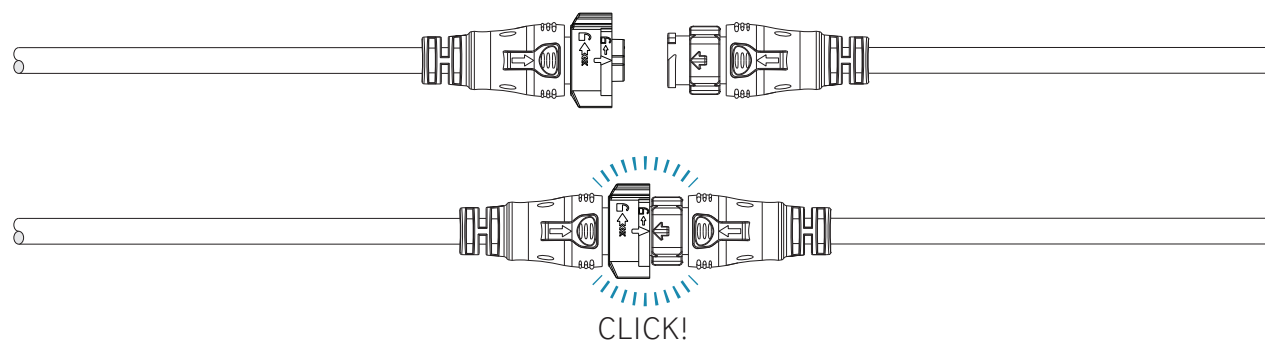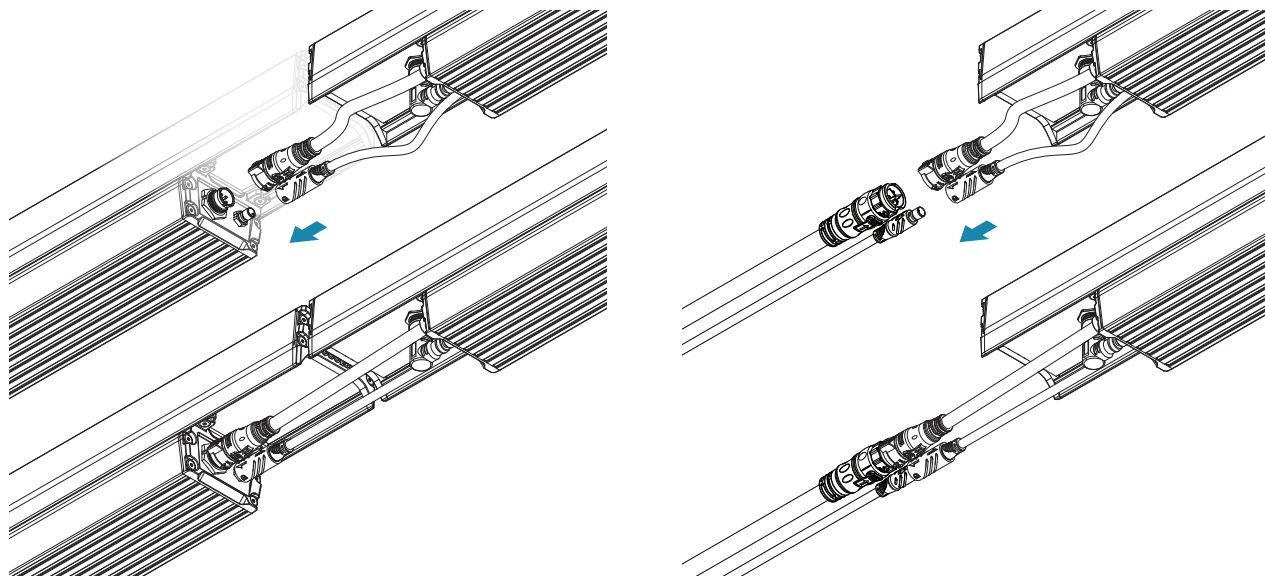
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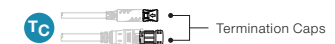
CONNECTION

Before installation begins, please ensure that you understand the fitting layout as per luminaire schedule

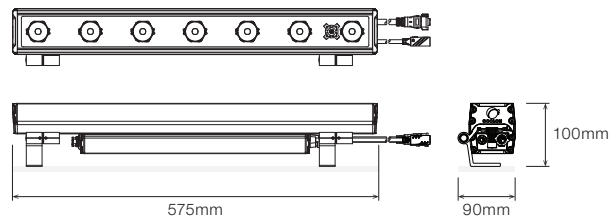Consider both fitting lengths 600mm and 1,200mm.

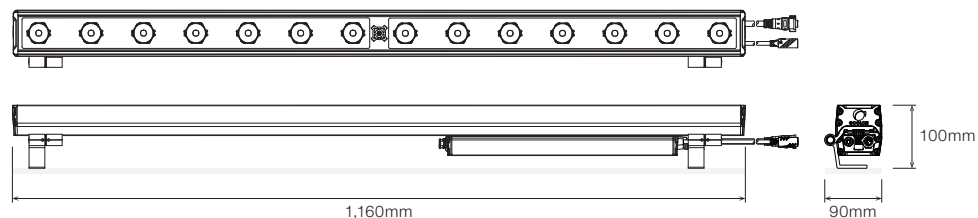Ensure you have enough extensions and required extra links for 1,200mm luminaires as well as leader cables and caps.

CLICK!

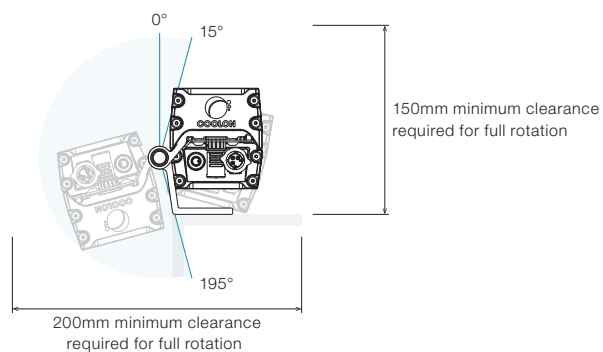archsales@coolon.com.au   **aus.** 1300 287 533   **intl.** +613 8681 3633   www.coolon.com.au

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- DIMENSIONS

06 Version

100mm

575mm   90mm

12 Version

100mm

1,160mm   90mm

- ROTATION WITH MOUNTING BRACKETS

0°   15°

150mm minimum clearance
required for full rotation

195°

200mm minimum clearance
required for full rotation

- ## DIMENSIONS WITH GLARE SHIELD

06 Version

136mm

590mm   96mm

12 Version

136mm

1,170mm   96mm
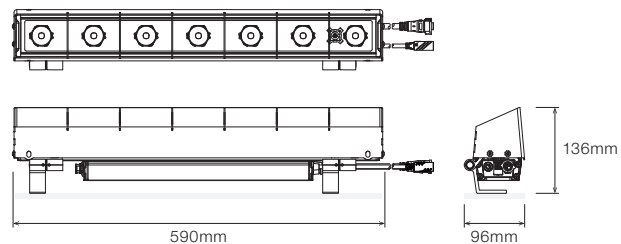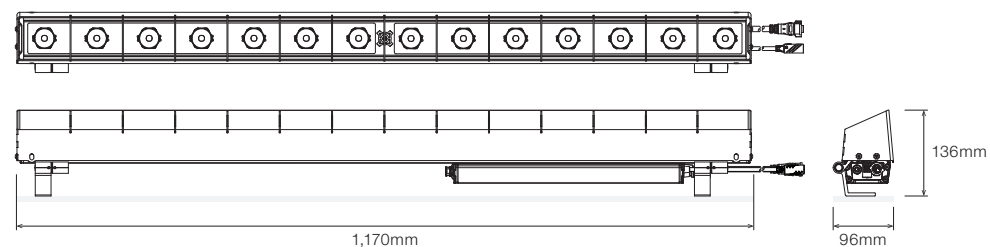
- ## ROTATION WITH MOUNTING BRACKETS + GLARE SHIELD

0°

15°

176mm minimum clearance
required for full rotation

195°

200mm minimum clearance
required for full rotation

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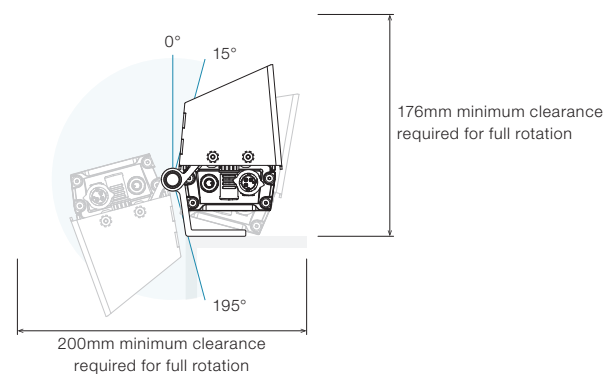
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▪ MOUNTING FOOTPRINTS

06 Version

465mm

67mm

8mm
Ø6mm

8mm
Ø6mm

25mm

12 Version

1,046mm

67mm

8mm
Ø6mm

8mm
Ø6mm

25mm

MINIMUM RECOMMENDED FASTENERS PER LUMINAIRE:
4 x M5 bolts for single luminaires

MOUNTING BRACKET MATERIAL:
Aluminium

APPLICATION:
Low vibration

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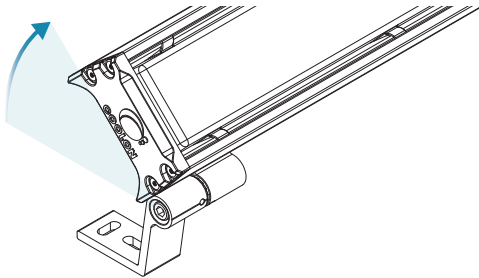Page 10

ADJUSTING THE MOUNTING BRACKET

▪ STEP 1

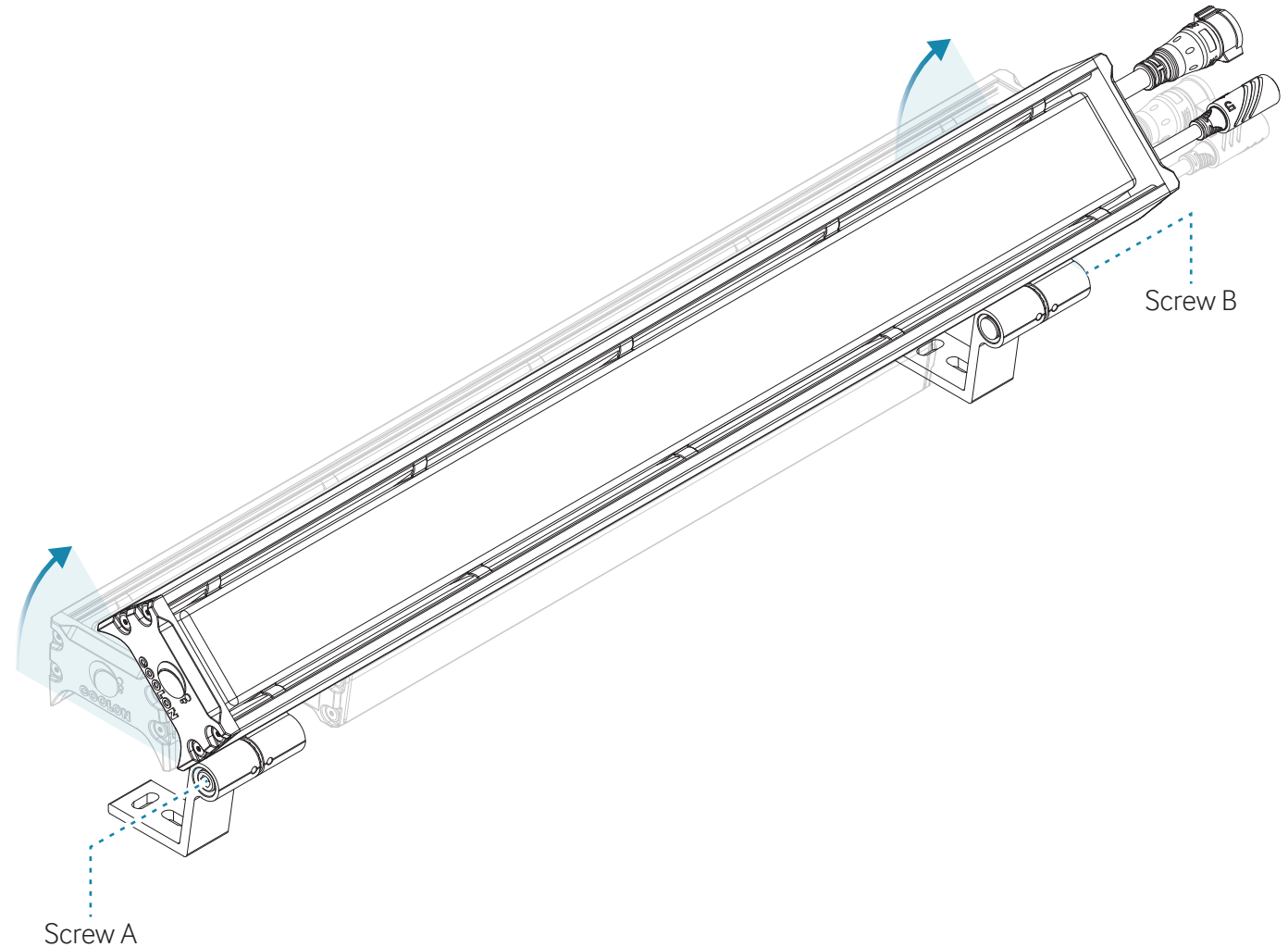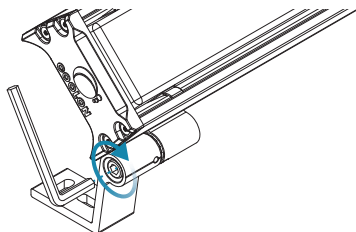Loosen **Screws A** and **B** counter clockwise to allow for rotation of the luminaire.
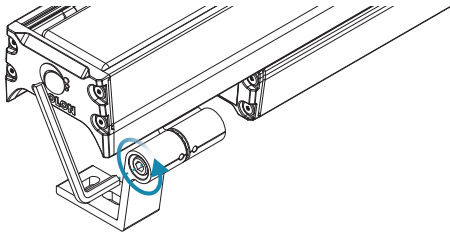
▪ STEP 2

Rotate the luminaire to your desired angle.

▪ STEP 3

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

Screw B

Screw A

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LUMINAIRE SAFETY LANYARD PROVISIONS

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

575mm

1,160mm

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