ARIS

Aris is a compact and understated linear architectural luminaire.

At 25x25mm in size and available in various lineal lengths and optical options,
Aris can be matched in colour temperature exactly to the Aduro,
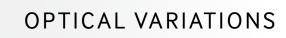Aduro X2, Ratio, Max Mini, Beam, Mira and Maxis product families.

POWER	LUMINOUS FLUX
33W 33W / metre	**SC** · 1,600 lm / metre

COLOUR TEMPERATURE

2700K	3000K	3200K	4000K

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COMPACT SIZE

Reduced form factor is key on demanding projects where minimal disruption to the aesthetic is important. Aris at 25x25mm can be hidden in the most unassuming of places.

25mm

OPTICAL VARIATIONS

Aris is available in a range of optical variations, offering the ability to maximise performance in each unique application.

L90

LONG OPERATING LIFE

Coolon products use the world's most reputable LED manufacturers and the latest available standards to adequately report lumen maintenance. We strive to drive LEDs under their nominal current and use state-of-the-art heat dissipation methods, leading to durable electronics.

VARIOUS CCT & COLOUR BINNING CONSISTENCY

All products are offered in various colour temperatures, and manufactured using tighter bins, ensuring excellent consistency and uniformity.

5 YEARS

5 YEARS WARRANTY

Coolon luminaires are covered by a solid comprehensive manufacturer's warranty that covers a range of possible defects and performance parameters throughout the duration of the warranty period.
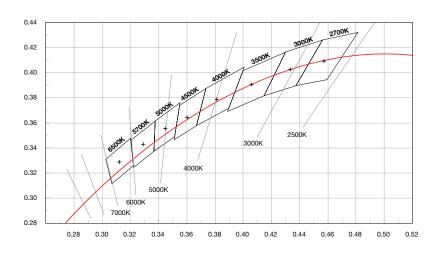
PROUDLY MADE IN AUSTRALIA

Our products are designed and manufactured in Australia. Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

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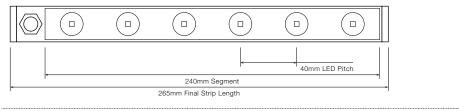sales@coolon.com.au   **aus.** 1300 287 533   **intl.** +613 8681 3633   www.coolon.com.au   Version 3.4
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▪ TECHNICAL SPECIFICATIONS

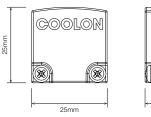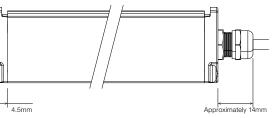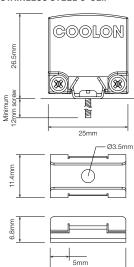|	
Product Code	LNR-ARIS
Description	Aris Linear Medium Power Projector
Body	Aluminium Alloy Body
Finish	Powder Coated Black (Standard), Various Colours Available
Cover	Polycarbonate Clear for Indoor Applications
End Caps	Polycarbonate
Segment Length (S)	240mm
Segment Width	22mm
LED Pitch	40mm
LEDs Per Segment	6
Operating Voltage	24VDC
Typical Power Consumption per Segment	7.92W per 240mm Segment
Typical Power Consumption per Metre	33.0W per Metre
Typical Current	330mA per 240mm Segment
Colour Rendering Index (CRI)	90+
Dimmable	Through CTR-A2PWM 0-10V, CTR-DIMMERLOGIC, CTR-DALILOGIC or CTR-DALILOGIC-IP (sold separately)
Luminous Flux per Metre (lm/M)	1,600 lm / Metre
Ambient Operating Temp	Ta -10°C to 50°C
Thermal Management	Yes (Active)
Reported Lumen Maintenance TM21-11 (@ Ts = 85°C, I_f = 500mA)	L70 (18K) > 109,000 hours L90 (18K) > 103,000 hours Aris max. operating values (@ Ts = 50°C, I_f = 325mA)
IP Rating	IP40 (Standard)
Max Continuous Connection Length	Please refer to installation limitations

▪ COLOUR BINNING

▪ DIMENSIONS

For final strip lengths please refer to the "Product Length" table.

40mm LED Pitch
240mm Segment
265mm Final Strip Length

STANDARD PROFILE

25mm

25mm

4.5mm

Approximately 14mm
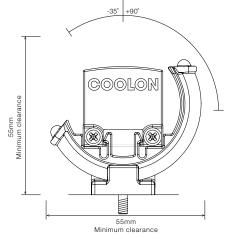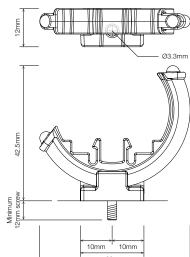
STAINLESS STEEL C-CLIP [1]

26.5mm

Minimum 12mm screw

25mm

Ø3.5mm

11.4mm

6.8mm

5mm

20mm

CABLE EXTENSION JOINER

Ø 24mm

26.5mm

115mm

ROTATING MOUNTING BRACKET [1]

-35° +90°

55mm Minimum clearance

55mm Minimum clearance

12mm

Ø3.3mm

42.5mm

Minimum 12mm screw

10mm 10mm

20mm

47.5mm

[1] Recommended spacing between Mounting Brackets is maximum 500mm and Mounting Clips is maximum 300mm.

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▪ PRODUCT LENGTH

FULL SEGMENTS	EXACT STRIP LENGTH	FINAL LENGTH
S1	240mm	269mm
S2	480mm	509mm
S3	720mm	749mm
S4	960mm	989mm
S5	1,200mm	1,229mm
S6	1,440mm	1,469mm
S7	1,680mm	1,709mm
S8	1,920mm	1,949mm
S9	2,160mm	2,189mm
S10	2,400mm	2,429mm
S11	2,640mm	2,669mm
S12	2,880mm	2,909mm

▪ POLAR DISTRIBUTION

OPTIC	BEAM ANGLE	POLAR DISTRIBUTION
L07	14° Beam	
L25	50° Beam	
F5010	Flare 100° x 20° Beam	
O209	Oval 40° x 18° Beam	

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- DIFFUSER

SC · Standard Clear Cover

- PROFILE
  COLOUR

BLK · Black

WHT · White

CST · Custom Colour [1]
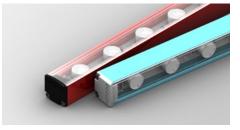
[1]   Custom colours available on request

▪ WIRING CONFIGURATION

CONNECTOR TYPE	DRAWING	MALE	FEMALE
WR2.1OS Wire 2+1 Core One Side			
OC2.2MO Outdoor Connector 2.2pin Male Only			
SMPLC.1 Sample Type Connector 2.5mm			

▪ Typical wiring length 1,000mm.

▪ Please consult Coolon for details on extension cable between LED fittings, drivers and power supplies.

WIRING COLOUR CODE	
Red	+ VDC
Black	GND
White	Dimming

▪ WIRING POSITION

WB - Wire from back

Ideal for fittings installed back-to-back or limited spaces.

WS - Wire from Side

Ideal for fittings installed individually or vertically.

▪ IP RATING

IP40

Protected against solid objects greater than 1mm. No protection against liquids.

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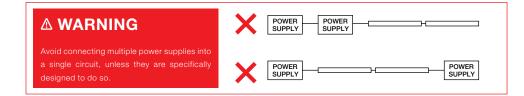
▪ INSTALLATION LIMITS

SCENARIO 1

POWER SUPPLY	

x
x
x
x

MAX. CONTINUOUS CONNECTION LENGTH (X)	**CONNECTOR TYPE**
2,909 mm	With standard 2+1 bare wires (WR2.1OS)
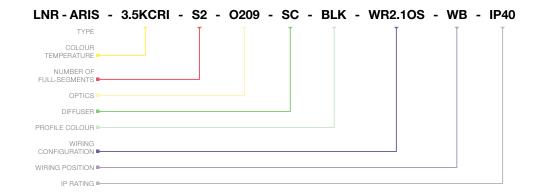
▪ Please consult Coolon for details on extension cable between LED fittings, drivers and power supplies.

⚠ WARNING

Avoid connecting multiple power supplies into a single circuit, unless they are specifically designed to do so.

✕ POWER SUPPLY — POWER SUPPLY

✕ POWER SUPPLY ⋯ POWER SUPPLY

- ## ORDERING EXAMPLE

LNR - ARIS - 3.5KCRI - S2 - O209 - SC - BLK - WR2.1OS - WB - IP40

TYPE
COLOUR TEMPERATURE
NUMBER OF FULL-SEGMENTS
OPTICS
DIFFUSER
PROFILE COLOUR
WIRING CONFIGURATION
WIRING POSITION
IP RATING

COLOUR TEMPERATURE PAGE 04

2.7KCRI	2700K CRI 90
3.0KCRI	3000K CRI 90
3.5KCRI	3500K CRI 90
4.0KCRI	4000K CRI 90

PRODUCT LENGTH PAGE 06

S1	269mm
S2	509mm
S3	749mm
S4	989mm
S5	1,229mm
S6	1,469mm
S7	1,709mm
S8	1,949mm
S9	2,189mm
S10	2,429mm
S11	2,669mm
S12	2,909mm

OPTICS PAGE 06

L07	14° Beam
L25	50° Beam
F5010	Flare 100° x 20° Beam
O209	Oval 40° x 18° Beam

DIFFUSER PAGE 07

SC	Standard Clear

PROFILE COLOUR PAGE 07

BLK	Black (Standard)
WHT	White
CST	Custom Colour [1]

WIRING CONFIGURATION PAGE 08

WR2.1OS	Wire 2+1 Core One Side
OC2.2MO	Outdoor Connector 2.2pin Male Only
SMPLC.1	Sample Type Connector 2.5mm

WIRING POSITION PAGE 08

WB	Wire from Back
WS	Wire from Side

IP RATING PAGE 08

IP40	Indoor Use

[1] Custom colours available on request.

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▪ ACCESSORIES

PRODUCT CODE	DESCRIPTION
MOUNTING *	
MC-CCLIP	Stainless Steel C-Clip
MBR-P25R-BLK	Rotating Mounting Bracket for Aris - Black
MBR-P25R-WHT	Rotating Mounting Bracket for Aris - White

* Recommended spacing between Mounting Brackets is maximum 500mm and Mounting Clips is maximum 300mm.

PRODUCT CODE	DESCRIPTION
CONTROLLER	
CTR-A2PWM 0-10V	Analogue to PWM converter for 0 – 10V dimming signal
CTR-DIMMERLOGIC	Coolon Universal Wall Dimmer with 0 – 10V and PWM Logic Output
CTR-DALI-LOGIC	Indoor DALI Point 1 channel Driver with PWM Logic Output
CTR-DALILOGIC-IP	Outdoor DALI Point 1 channel Driver with PWM Logic Output

PRODUCT CODE	DESCRIPTION
POWER SUPPLY FOR OUTDOOR USE (IP67)	
PWR-HLG-60H-24AU	Mean Well Power Supply HLG 60W 24V IP67
PWR-HLG-150H-24AU	Mean Well Power Supply HLG 150W 24V IP67
PWR-HLG-240H-24AU	Mean Well Power Supply HLG 240W 24V IP67
PWR-HLG-320H-24AU	Mean Well Power Supply HLG 320W 24V IP67

PRODUCT CODE	DESCRIPTION
CABLE EXTENSIONS	
CBLEXT-LNR-WR2.1-IP65-3M	3m Length, 3 Core RBW 16AWG Cable Extension with outdoor joiner
CBLEXT-LNR-WR2.1-IP65-5M	5m Length, 3 Core RBW 16AWG Cable Extension with outdoor joiner
CBLEXT-LNR-WR2.1-IP65-10M	10m Length, 3 Core RBW 16AWG Cable Extension with outdoor joiner
CBLEXT-LNR-WR2.1-IP65-20M	20m Length, 3 Core RBW 16AWG Cable Extension with outdoor joiner

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