

ARIS

LINEAR MEDIUM POWER LNR-ARIS





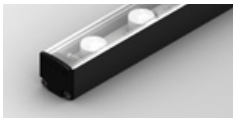
The Aris is a compact and understated linear architectural luminaire.

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

POWER

33W
33W / metre

LUMINOUS FLUX



SC • 1600 lm / metre

COLOUR TEMPERATURE



COLOURS



COMPACT SIZE

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



OPTICAL VARIATIONS

The Aris range is available in a range of optical variations, offering the ability to maximise the effective performance in each type of architectural lighting application.

L90

LONG OPERATING LIFE

Coolon products use world's most reputable LED manufacturers and the latest available standard to adequately report luminaire 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

Product is offered in various Colour Temperatures using tighter bins.

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.



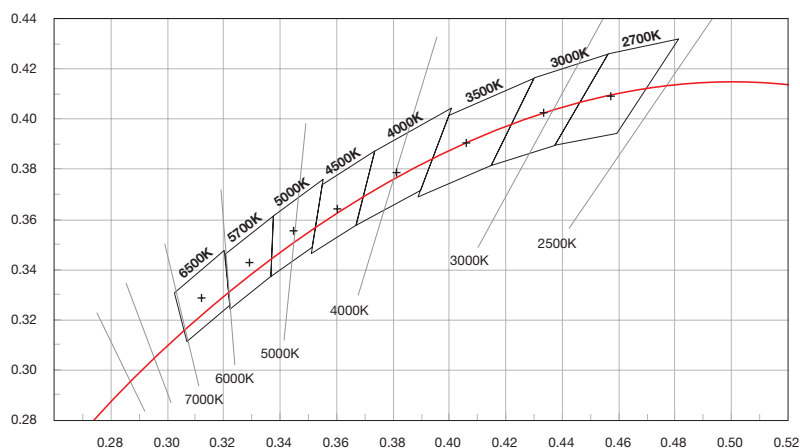
PROUDLY MADE IN AUSTRALIA

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.

TECHNICAL SPECIFICATIONS

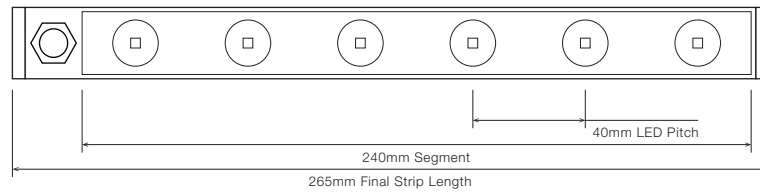
Product Code	LNR-ARIS
Description	Aris Linear Medium Power Projector
Body	Aluminium Alloy Body
Finish	Powder Coated Black (Standard), Various Colours Available
Cover	Polycarbonate
End Caps	Polycarbonate
Segment Length (S)	240mm
Segment Width	22mm
LED Pitch	40mm
LEDs Per Segment	6
Operating Voltage	24VDC
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)	1600 lm / Metre
Ambient Operating Temp	Ta -10°C to 50°C
Thermal Management	Yes (Active)
Reported Lumen Maintenance TM21-11 (@ Ts = 85°C, If = 500mA)	L70 (18K) > 109,000 hours L90 (18K) > 103,000 hours Aris max. operating values (@ Ts = 50°C, If = 325mA)
IP Rating	IP40 (Standard)
Max Continuous Connection Length	Please refer to installation limitations

COLOUR BINNING

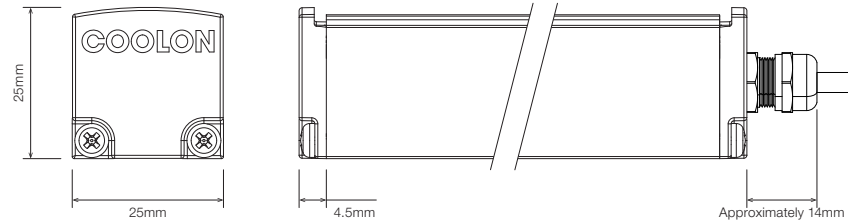


DIMENSIONS

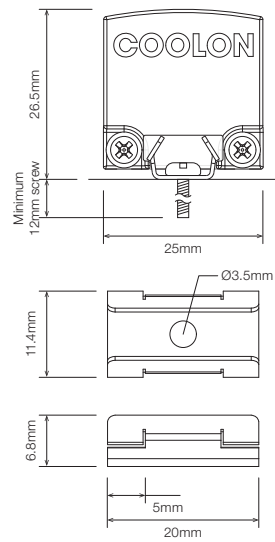
For final strip lengths please refer to the "Product Length" table.



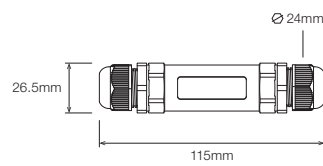
STANDARD PROFILE



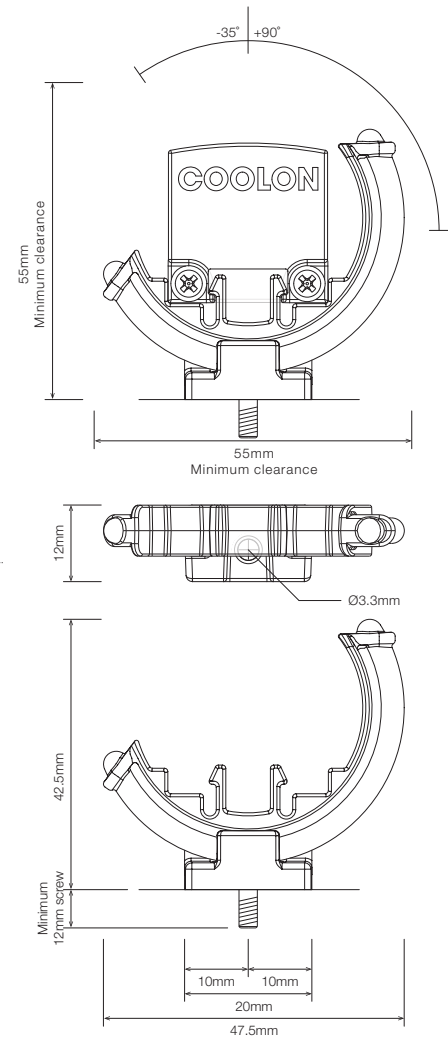
STAINLESS STEEL C-CLIP ¹



CABLE EXTENSION JOINER



ROTATING MOUNTING BRACKET ¹


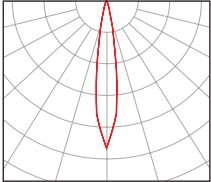

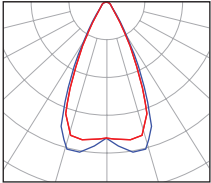

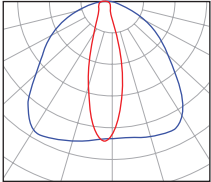

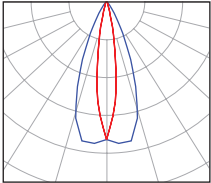


¹ Recommended spacing between Mounting Brackets is maximum 500mm and Mounting Clips is maximum 300mm.

■ 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	

■ DIFFUSER

SC - Standard Clear Cover

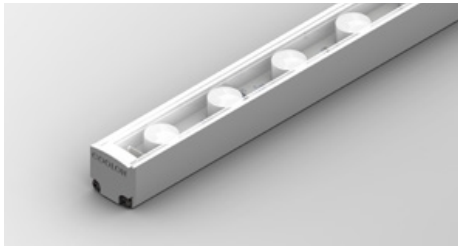


■ PROFILE COLOUR

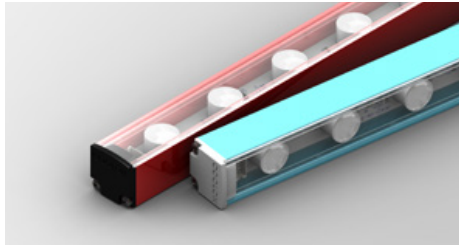
BLK - Black



WHT - White









CST - Custom Colour ¹



¹ Custom colours available on request

WIRING CONFIGURATION

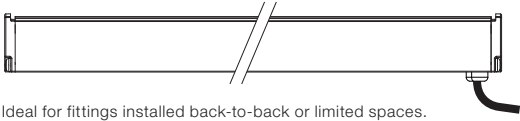
CONNECTOR TYPE	DRAWING	MALE	FEMALE
WR2.10S Wire 2+1 Core One Side			
OC2.2MO Outdoor Connector 2.2pin Male Only			
SMPLC.1 Sample Type Connector 2.5mm			

- 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.

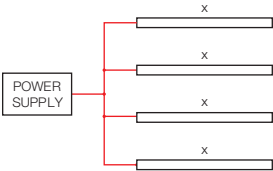
IP RATING

IP40

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

■ INSTALLATION LIMITS

SCENARIO 1



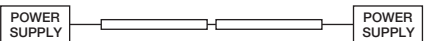
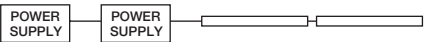
MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
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2,909 mm	With standard 2+1 bare wires (WR2.1OS)
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- Please consult Coolon for details on extension cable between LED fittings, drivers and power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

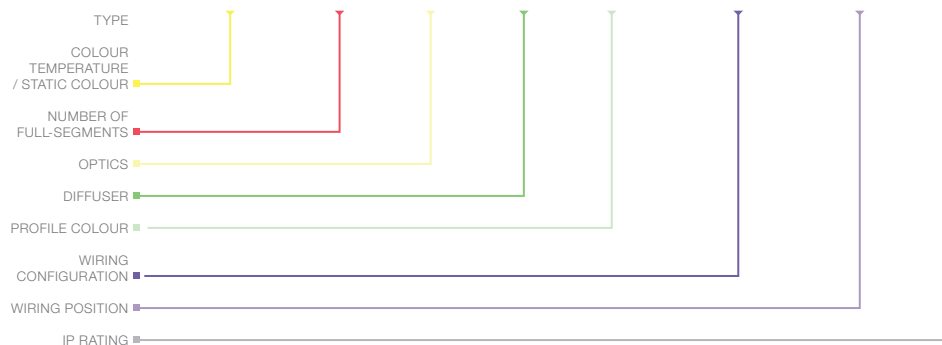
 **WARNING**

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



ORDERING EXAMPLE

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



■ COLOUR TEMPERATURE PAGE 04

2.7KCRI	2700K CRI 90
3.0KCRI	3000K CRI 90
3.5KCRI	3500K CRI 90
4.0KCRI	4000K CRI 90
5.0KCRI	5000K CRI 90

■ STATIC COLOUR

BL	Blue
GR	Green
RD	Red
AM	Amber

■ 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
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■ 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



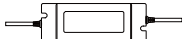

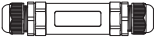
WB	Wire from Back
WS	Wire from Side

■ IP RATING PAGE 08

IP40	Indoor Use
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¹ Custom colours available on request.

■ 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.		
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
POWER SUPPLY FOR INDOOR USE		
	PWR-PLN20-24V	Mean Well Power Supply PLN 20W 24V IP64 + Flex & Plug
	PWR-PLN30-24V	Mean Well Power Supply PLN 30W 24V IP64 + Flex & Plug
	PWR-PLN60-24V	Mean Well Power Supply PLN 60W 24V IP64 + Flex & Plug
	PWR-PLN100-24V	Mean Well Power Supply PLN 100W 24V IP64 + Flex & Plug
POWER SUPPLY FOR OUTDOOR USE (IP67)		
	PWR-HLG40-24V	Mean Well Power Supply HLG 40W 24V IP67
	PWR-HLG60-24V	Mean Well Power Supply HLG 60W 24V IP67
	PWR-HLG100-24V	Mean Well Power Supply HLG 100W 24V IP67
	PWR-HLG150-24V	Mean Well Power Supply HLG 150W 24V IP67
	PWR-HLG240-24V	Mean Well Power Supply HLG 240W 24V IP67
	PWR-HLG320-24V	Mean Well Power Supply HLG 320W 24V IP67
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