ADURO CL

LED STRIP STR-ADURO CL
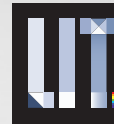
Aduro CL is a revolutionary semi-rigid chain LED light that allows full flexibility around curved spaces.
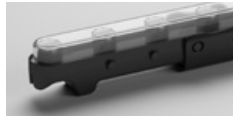
Inspired by the possibilities of organic architecture and equipped with unprecedented flexibility, individually adjustable modules, a wide range of optics and various CCTs, Aduro CL brings tailored lighting solutions and full creative control over curved spaces.

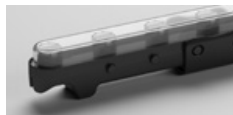| POWER	LUMINOUS FLUX
7W 7W / metre	657 lm / metre
14W 14W / metre	1,315 lm / metre

COLOUR TEMPERATURE
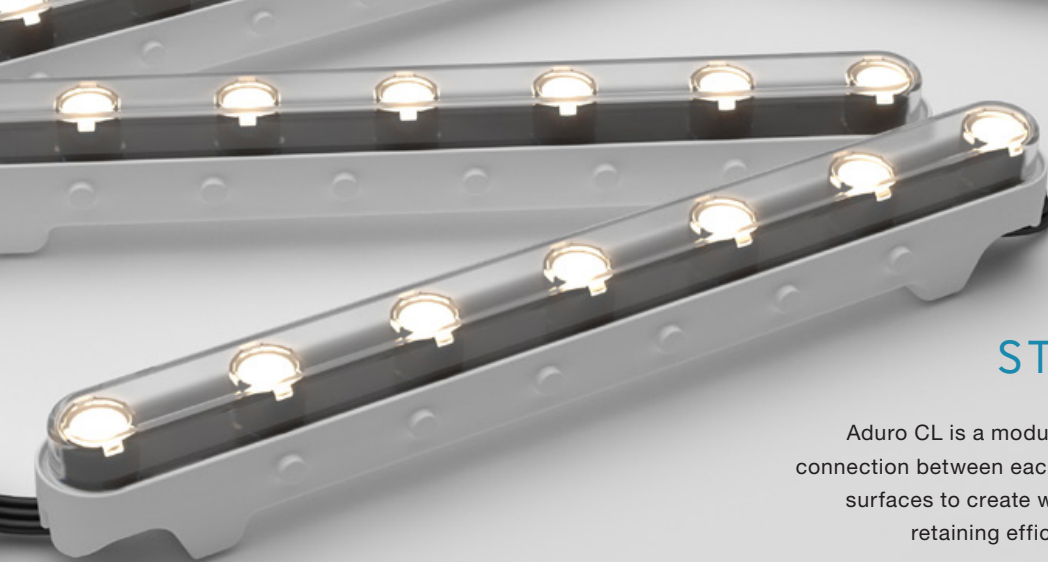
2700K	3000K	3500K	4000K

▪ Specific values measured at 4000K using O209 optics. See technical specification page for more options. Specific lumen output and IES files available on request.

INSTALLATION MANUAL
Scan the QR Code or visit www.coolon.com.au/dl/arch-str-aduro-cl-manual

CURVE RIGID STRIPS WITH EASE

Aduro CL is a modular chain LED fitting that has a flexible connection between each segment, enabling use along curved surfaces to create wall washing and grazing effects, while retaining efficacy and durability of rigid technology.

MAGNETIC BALL CLIP

Aduro CL offers fine-tuned positioning in three axes, so light is directed exactly where it's needed. Pan, tilt and roll to precisely aim each module – it's effortless with the ball-and socket mounting clip. The neodymium magnet keeps the individual position of each module firmly locked in place.

L90
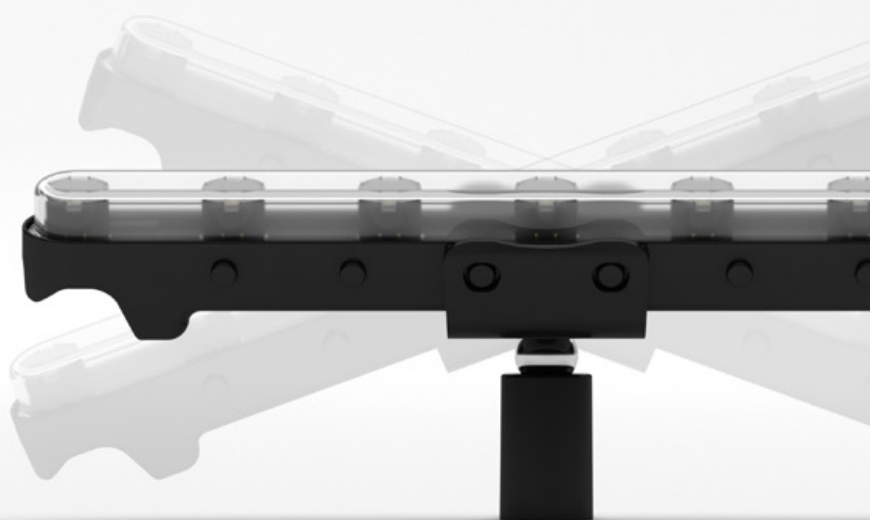
LONG OPERATING LIFE

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.

▪ TECHNICAL SPECIFICATIONS

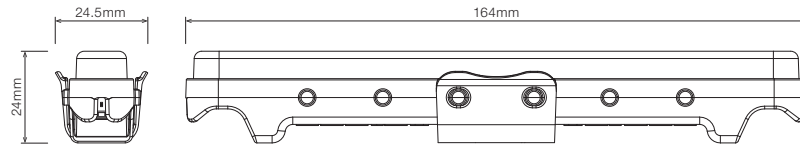|		7W VERSION	14W VERSION
Product Code		STR-ADURO CL	
Description		Aduro CL Beam Control LED Strip	
Segment Length (S)		180mm	
LED Pitch		24.5mm	
LEDs Per Segment		7	
Operating Voltage		24VDC	
Typical Power Consumption per Segment		1.27W per 180mm Segment	2.54W per 180mm Segment
Typical Power Consumption per Metre		7W per metre	14W per metre
Typical Current		53mA per 180mm Segment	106mA per 180mm Segment
Colour Rendering Index (CRI)		90+	
Dimmable		Through CTR-A2PWM 0-10V, CTR-DALILOGIC or CTR-DIMMERLOGIC (sold separately)	
Effective Beam Angle		Varies with optics (30° – 110°)	
External Heatsink Required		No	
Ambient Operating Temp		Ta -10°C to 50°C	
Thermal Operating		Yes (Active Thermal Management)	
Reported Lumen Maintenance TM21-11 (@ Ts = 85°C, I_f = 700mA)		L70 (17K) > 103,000 hours L90 (17K) > 103,000 hours Aduro CL max. operating values (@ Ts = 50°C, I_f = 106mA)	
IP Rating		IP20	
Approvals		CE, CB, RCM	
Max Continuous Connection Length		Please refer to installation limitations (Page 08)	
Luminous Flux per Metre (lm/M)	2700K	509 lm/Metre	1,017 lm/Metre
	3000K	586 lm/Metre	1,172 lm/Metre
	3500K	622 lm/Metre	1,243 lm/Metre
	4000K	657 lm/Metre	1,315 lm/Metre

▪ Specified values measured using O4018D optics
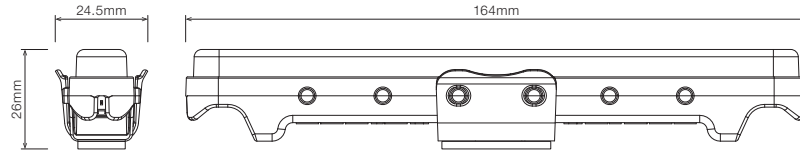
▪ Specific lumen output and IES files available on request

COOLON

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

All documentation is subject to change without notice. Refer to our website for the latest information.

Version 1.9
Page 4

▪ DIMENSIONS

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

WITH MOUNTING CLIP

24.5mm · 164mm · 24mm

WITH MOUNTING TAPE

24.5mm · 164mm · 26mm

WITH MAGNETIC BALL CLIP

24.5mm · 164mm · 56mm · 29mm · 14.4mm
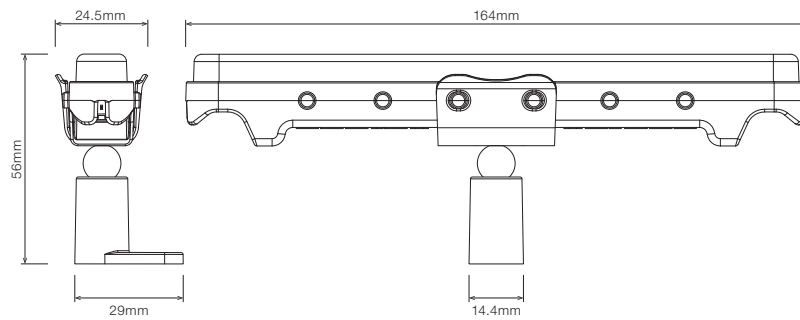
WITH MOUNTING CLIP AND GLARE SHIELD

24.5mm · 164mm · 32mm
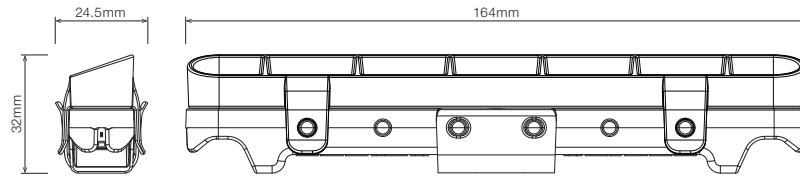
WITH MOUNTING TAPE AND GLARE SHIELD

24.5mm · 164mm · 34mm
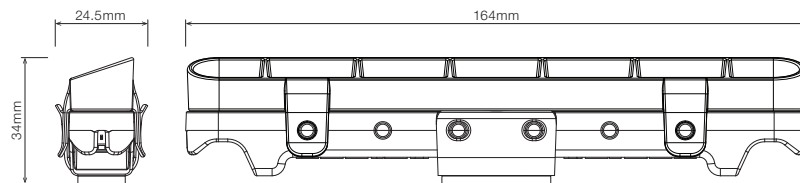
WITH MAGNETIC BALL CLIP AND GLARE SHIELD

24.5mm · 164mm · 63mm · 29mm · 14.4mm
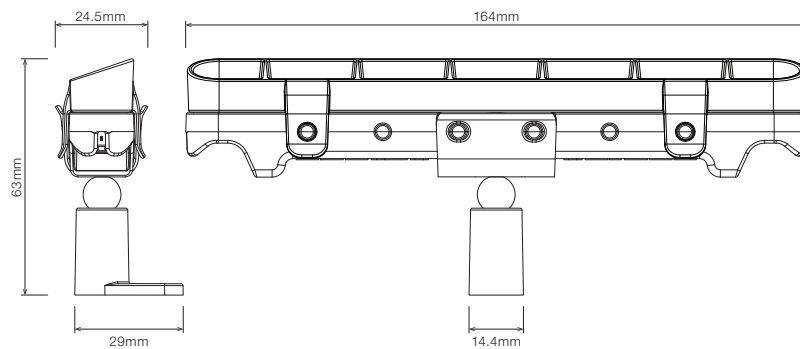
▪ PRODUCT LENGTH
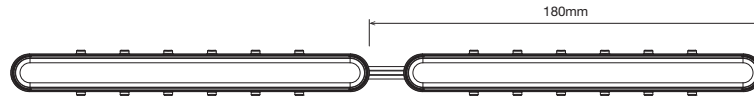
180mm

POWERED BY 24VDC

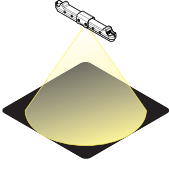| # OF MODULES	FINAL LENGTH	# OF MODULES	FINAL LENGTH
S1	180mm	S17	3,060mm
S2	360mm	S18	3,240mm
S3	540mm	S19	3,420mm
S4	720mm	S20	3,600mm
S5	900mm	S21	3,780mm
S6	1,080mm	S22	3,960mm
S7	1,260mm	S23	4,140mm
S8	1,440mm	S24	4,320mm
S9	1,620mm	S25	4,500mm
S10	1,800mm	S26	4,680mm
S11	1,980mm	S27	4,860mm
S12	2,160mm	S28	5,040mm
S13	2,340mm	S29	5,220mm
S14	2,520mm	S30	5,400mm
S15	2,700mm	S31	5,580mm
S16	2,880mm		
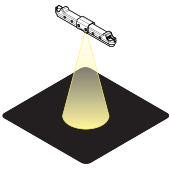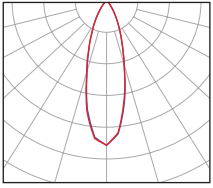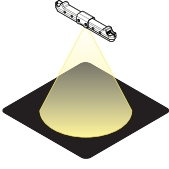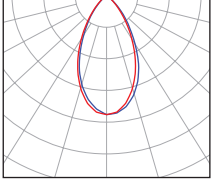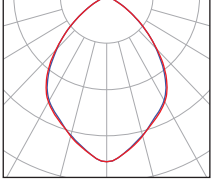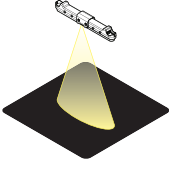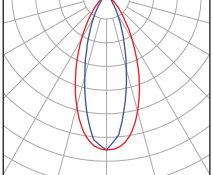
▪ **NOTE:** **14W** version only available up to S16. **7W** version available up to S31.

⚠ WARNING

PLEASE HANDLE LONG LED STRIPS WITH CARE.

When handling LED Strips, please ensure that they are all supported and not dragged from one end.

COOLON

archsales@coolon.com.au   **aus.** 1300 287 533   **intl.** +613 8681 3633   www.coolon.com.au   Version 1.9

All documentation is subject to change without notice. Refer to our website for the latest information.   Page 6

▪ POLAR DISTRIBUTION

OPTIC		POLAR DISTRIBUTION
30D Medium Beam 30° Beam Angle		
50D Wide Beam 50° Beam Angle		
80D Wide Beam 80° Beam Angle		
O4018D Oval Beam Oval 40° x 18° Beam		

▪ OPTICS
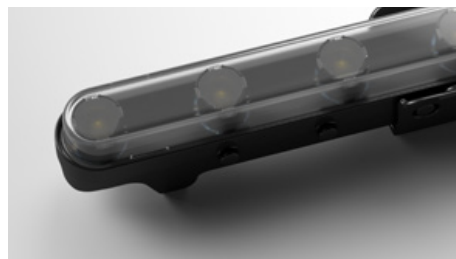
30D · Medium Beam
50D · Wide Beam
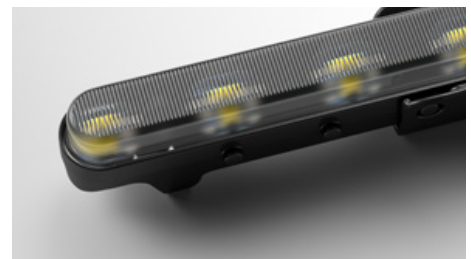
80D · Wide Beam

O4018D · Oval Beam

- PROFILE
  COLOUR

BLK · Black (Standard)
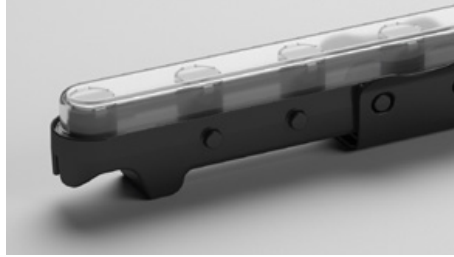
WHT · White
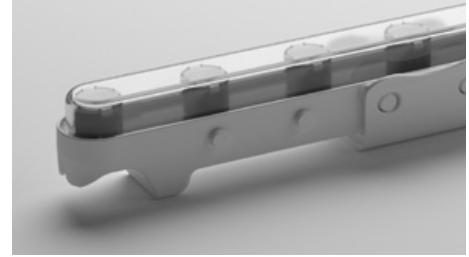
- WIRING
  CONFIGURATION

CONNECTOR TYPE	DRAWING	MALE	FEMALE
WR2.1OS Wire 2+1 Core One Side		● ● ●	
SMPLC.1 Sample Type Connector 2.5mm		◎	

- Standard Wiring Length 250mm.

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

WIRING COLOUR CODE	
Red	+ VDC
Black	GND
White	PWM Control

- IP RATING

IP20

Protected against solid
objects greater than 12mm.
No Protection against liquids.

▪ INSTALLATION LIMITS

SCENARIO 1

SCENARIO 2

7W VERSION

MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
5,600 mm	Quick connectors between modules

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

14W VERSION

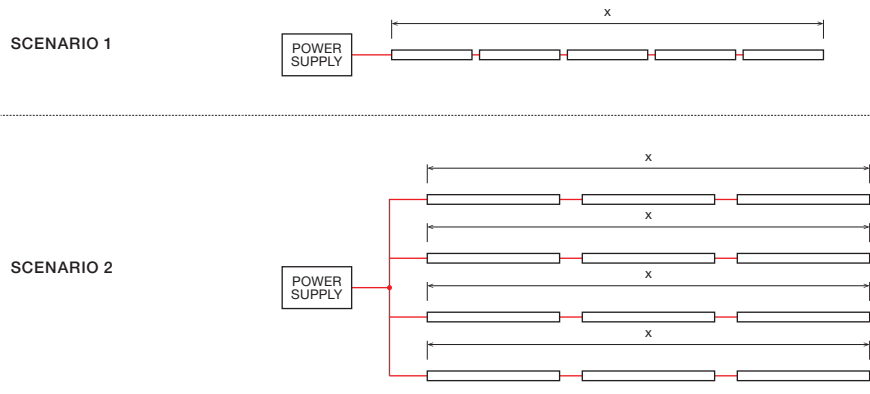| MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
2,900 mm	Quick connectors between modules

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

▪ WIRING DIAGRAMS

WITH DALI LOGIC
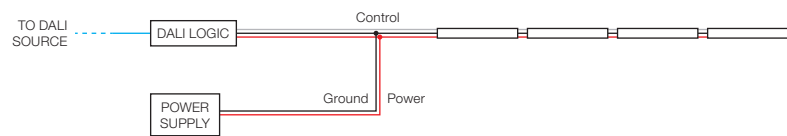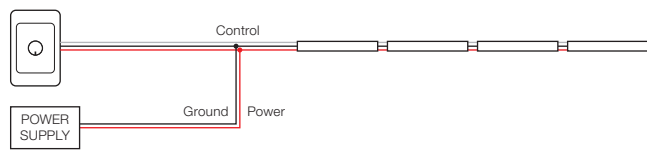
TO DALI SOURCE — DALI LOGIC — Control
POWER SUPPLY — Ground | Power

WITH DIMMER LOGIC

Control
POWER SUPPLY — Ground | Power

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

⚠ WARNING

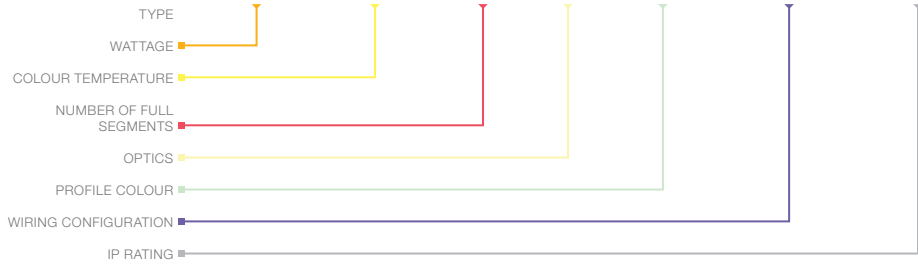Avoid connecting multiple power supplies into a single circuit, unless they are specifically designed to do so.

▪ ORDERING EXAMPLE

STR - ADURO CL - 14W - 3.0KCRI - S1 - 50D - BLK - WR2.1OS - IP20

TYPE
WATTAGE
COLOUR TEMPERATURE
NUMBER OF FULL SEGMENTS
OPTICS
PROFILE COLOUR
WIRING CONFIGURATION
IP RATING

▪ WATTAGE PAGE 04

7W	7W per metre
14W	14W per metre

▪ COLOUR TEMPERATURE [1] PAGE 04

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

▪ PRODUCT LENGTH [2] PAGE 05

S1	180mm		S17	3,060mm
S2	360mm		S18	3,240mm
S3	540mm		S19	3,420mm
S4	720mm		S20	3,600mm
S5	900mm		S21	3,780mm
S6	1,080mm		S22	3,960mm
S7	1,260mm		S23	4,140mm
S8	1,440mm		S24	4,320mm
S9	1,620mm		S25	4,500mm
S10	1,800mm		S26	4,680mm
S11	1,980mm		S27	4,860mm
S12	2,160mm		S28	5,040mm
S13	2,340mm		S29	5,220mm
S14	2,520mm		S30	5,400mm
S15	2,700mm		S31	5,580mm
S16	2,880mm			

▪ OPTICS PAGE 06

30D	30° Beam
50D	50° Beam
80D	80° Beam
O4018D	Oval 40° x 18° Beam

▪ PROFILE COLOUR

BLK	Black (Standard)
WHT	White

▪ WIRING CONFIGURATION PAGE 07

WR2.1OS	Wire 2+1 Core One Side
SMPLC.1	Sample Type Connector 2.5mm

▪ IP RATING PAGE 07

IP20	Indoor Use

[1] Other CCT subject to availability.
[2] **14W** version only available up to S16. **7W** version available up to S31.

◉ COOLON

archsales@coolon.com.au   **aus.** 1300 287 533   **intl.** +613 8681 3633   www.coolon.com.au   Version 1.9
All documentation is subject to change without notice. Refer to our website for the latest information.   Page 10

▪ ACCESSORIES

	PRODUCT CODE	DESCRIPTION
MOUNTING CLIP [1]		
	MC-STR-CC-BLK	Black Plastic Mounting Clip
	MC-STR-CC-WHT	White Plastic Mounting Clip
	MT-CC	Adhesive double sided mounting tape
	MC-STR-MBC-BLK	Magnetic Ball Clip Black
	MC-STR-MBC-WHT	Magnetic Ball Clip White

[1]   One MC-STR-CC / MT-CC / MC-STR-MBC required per segment

ACCESSORIES		
	ACC-ADUROCL-AGSB	Anti Glare Shield Black

ACC-ADUROCL-AGSB · Anti Glare Shield Black
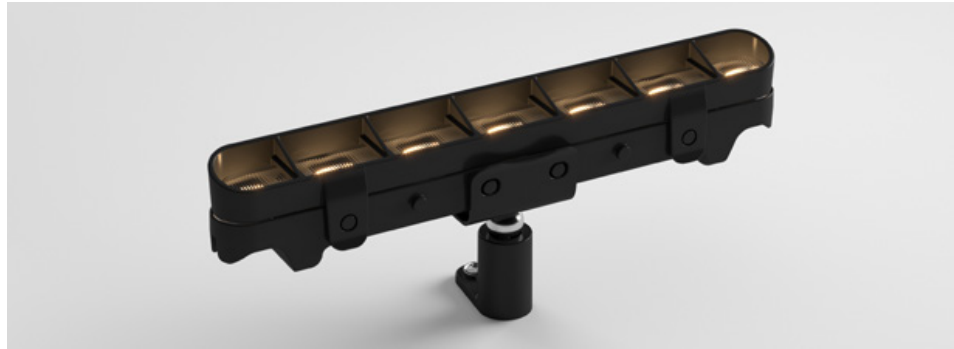
CONTROLLER		
	CTR-A2PWM 0-10V	Analogue to PWM converter for 0 – 10V dimming signal
	CTR-DIMMERLOGIC	Coolon Universal Wall Dimmer with 0 – 10V and PWM Logic Output
	CTR-DALI-LOGIC	Indoor DALI Point 1 channel Driver with PWM Logic Output

POWER SUPPLY		
	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

▪ PHOTOGRAPHY

	LOCATION	LIGHTING PARTNER	PHOTOGRAPHER
Cover Photo	40 Miller Street	Jadecross	Huw Lambert https://www.huwlambert.com/