



ADURO X2



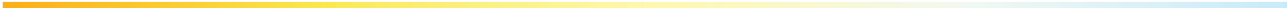
LED STRIP STR-ADURO X2





The Aduro X2 is the most compact strip offered with optical control. Nestled in a small 17x17mm profile this luminaire is offered in 11W and 23W per metre options.

The Aduro X2 offers unparalleled performance and optical control for the most demanding lighting projects.

POWER	LUMINOUS FLUX
11W 11W / metre	 P17D2 • 610 lm / metre
23W 23W / metre	 P17D2 • 1250 lm / metre
COLOUR TEMPERATURE	
	

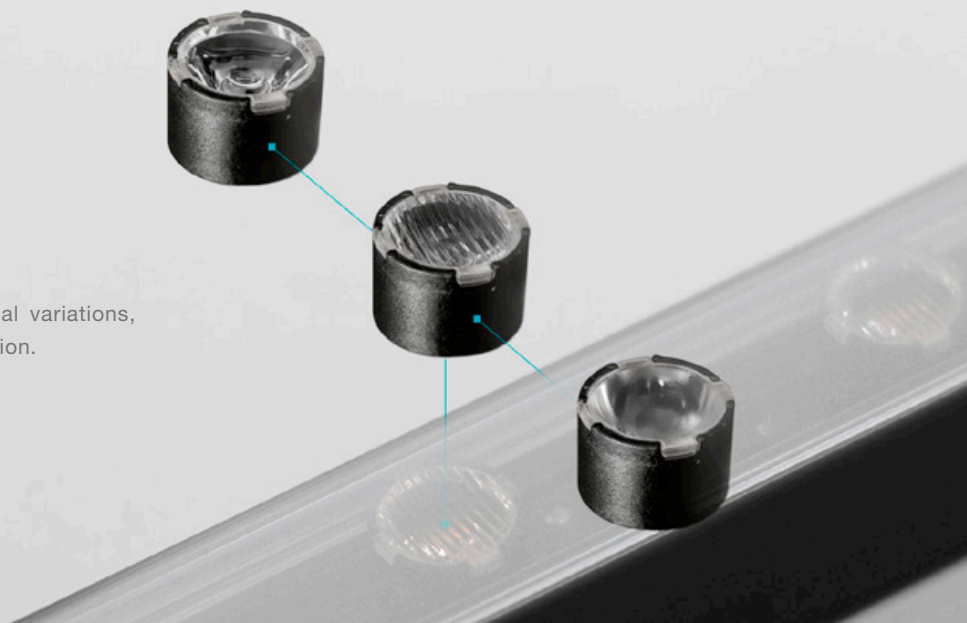


COMPACT SIZE

Reduced form factor can provide much freedom and simplicity to a designer. At only 17x17mm the Aduro X2 is the smallest LED strip/profile offered with optical control.

SLIMLINE OPTICS

The Aduro X2 is offered in a range of optical variations, providing precision in each particular application.



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 WARRANTY

Coolon Luminaires are covered by a solid comprehensible manufacturer's warranty that covers a range of possible defects and performance parameters throughout the duration of the warranty period.



PROUDLY MADE IN AUSTRALIA

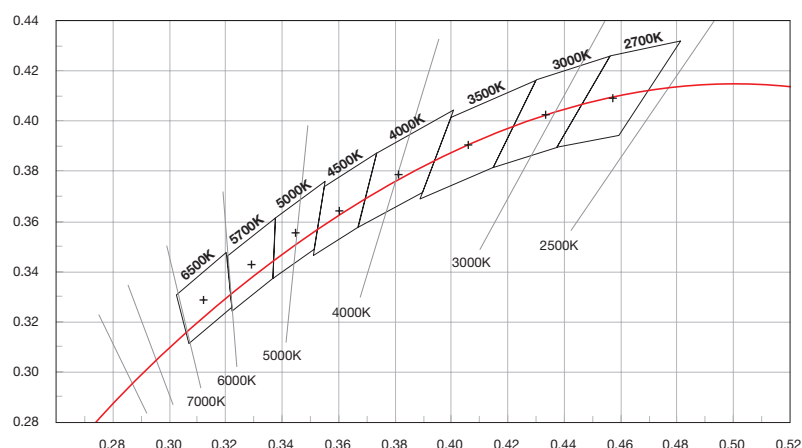
Our products are designed and manufactured in Australia. Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

TECHNICAL SPECIFICATIONS

	11W VERSION	23W VERSION
Product Code	STR-ADURO X2	
Description	Aduro X2 Medium Power Beam Control LED Strip	
Segment Length (S)	240mm	
Segment Width	10.50mm	
LED Pitch	34.28mm	
LEDs Per Segment	7	
Operating Voltage	24VDC	
Typical Power Consumption per Segment	2.5W per 240mm Segment	5.3W per 240mm Segment
Typical Power Consumption per Metre	11W per metre	23W per metre
Typical Current	115mA per 240mm Segment	230mA per 240mm Segment
Colour Rendering Index (CRI)	90+	
Dimmable	Through 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)	
Reported Lumen Maintenance TM21-11 (@ Ts = 85°C, If = 700mA)	L70 (17K) > 103,000 hours L90 (17K) > 103,000 hours	
	Aduro X2 max. operating values (@ Ts = 40°C, If = 230mA)	
IP Rating	IP40	
Max Continuous Connection Length	Please refer to installation limitations (Page 09)	
Luminous Flux per Metre (lm/M)	2700K 3000K	1250 lm/Metre 1400 lm/Metre

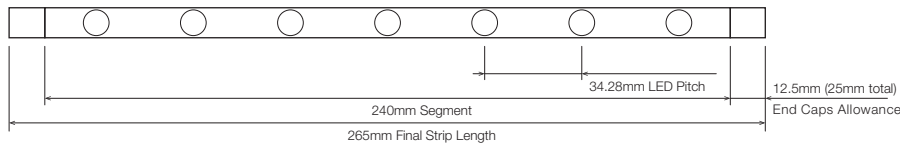
▪ Specific lumen output and IES files available on request

COLOUR BINNING

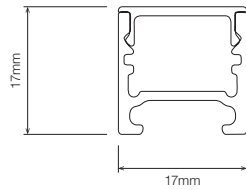


■ DIMENSIONS

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



P17 PROFILE



AVAILABLE IN

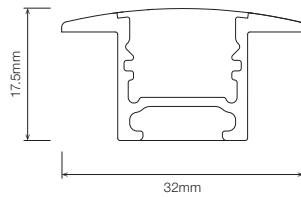
Diffused



MOUNTING OPTIONS

- **MC-CCLIP**
Stainless Steel C-Clip
- **MC-XCLIP**
Flat Mount X-Clip
- **MC-STR-P17R**
Rotating Clip Mount

PR17 RECESSED PROFILE



AVAILABLE IN

Diffused



MOUNTING OPTIONS

- **MC-CCLIP**
Stainless Steel C-Clip
- **MC-XCLIP**
Flat Mount X-Clip
- **MC-STR-PR17**
Spring Mounting Clip



Click on the download icon to view more information regarding mounting and rebate suggestions.

■ PRODUCT LENGTH WITH P17

FULL SEGMENTS	EXACT STRIP LENGTH	P17 END CAP ALLOWANCE	P17 FINAL LENGTH
1	240mm	add 25mm	265mm
2	480mm	add 25mm	505mm
3	720mm	add 25mm	745mm
4	960mm	add 25mm	985mm
5	1,200mm	add 25mm	1,225mm
6	1,440mm	add 25mm	1,465mm
7	1,680mm	add 25mm	1,705mm
8	1,920mm	add 25mm	1,945mm
9	2,160mm	add 25mm	2,185mm
10	2,400mm	add 25mm	2,425mm
11	2,640mm	add 25mm	2,665mm
12	2,880mm	add 25mm	2,905mm
13	3,120mm	add 25mm	3,145mm
14	3,360mm	add 25mm	3,385mm

Confirm Interstate Courier Compliance

* Custom lengths - contact Coolon LED for more information.

■ PRODUCT LENGTH WITH PR17

FULL SEGMENTS	EXACT STRIP LENGTH	PR17 END CAP ALLOWANCE	PR17 FINAL LENGTH
1	240mm	add 40mm	280mm
2	480mm	add 40mm	520mm
3	720mm	add 40mm	760mm
4	960mm	add 40mm	1,000mm
5	1,200mm	add 40mm	1,240mm
6	1,440mm	add 40mm	1,480mm
7	1,680mm	add 40mm	1,720mm
8	1,920mm	add 40mm	1,960mm
9	2,160mm	add 40mm	2,200mm
10	2,400mm	add 40mm	2,440mm
11	2,640mm	add 40mm	2,680mm

Confirm Interstate Courier Compliance

⚠ WARNING

Do not bend LED strip when removing from mounting clips.

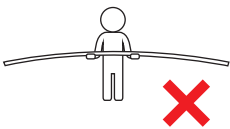
Gently twist LED Strip to remove from mounting clips.



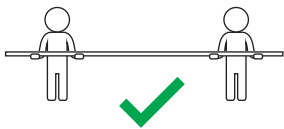
⚠ WARNING

PLEASE HANDLE LONG LED STRIPS WITH CARE.

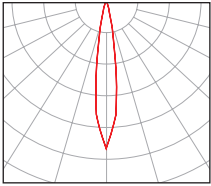
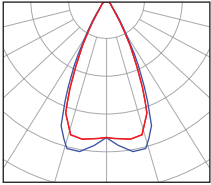
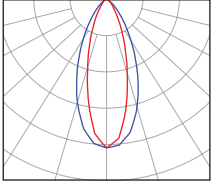
LED Strips must not be bent.



When handling LED Strips, please ensure that they are kept straight.





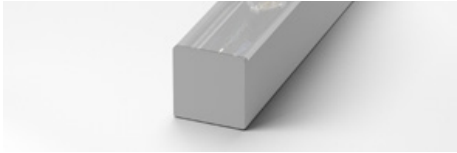
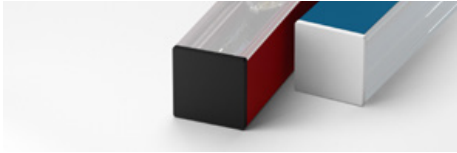
■ POLAR DISTRIBUTION

OPTIC	BEAM ANGLE	POLAR DISTRIBUTION
L15	25° – 30° Beam	
L25	42° – 50° Beam	
O209	Oval 40° x 18° Beam	

■ PROFILE / DIFFUSER

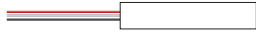











P17D2 • P17 Profile Diffused	PR17D2 • PR17 Profile Recessed Diffused
	

■ PROFILE COLOUR

BLK • Black (Standard)	WHT • White
	
GRY • Grey	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			
WR2.1BS Wire 2+1 Core Both Sides			
OC2.1MO Connector 2+1 pin Male Only			
OC2.1MF Connector 2+1 pin Male + Female			
SMPLC.1 Sample Type Connector 2.5mm			

- For detailed information on Outdoor IP67 connector please contact Coolon.
- Please consult Coolon for details on extension cable between LED fittings, drivers and power supplies.

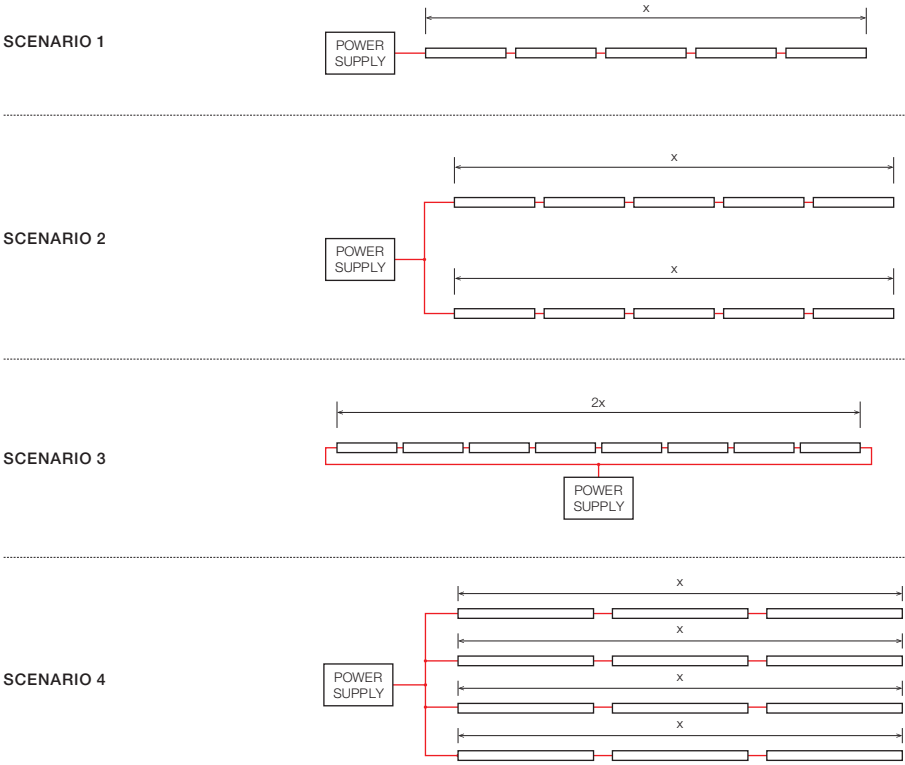
WIRING COLOUR CODE	
Red	+ VDC
Black	GND
White	PWM Control

IP RATING

IP40

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

■ INSTALLATION LIMITS



11W VERSION

MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
12,200 mm	With 2+1 core (WR2.1OS / WR2.1BS)
5,500 mm	With 2+1 pin connectors (OC2.1MO / OC2.1MF / SMPLC.1)

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

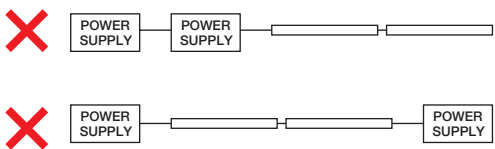
23W VERSION

MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
5,800 mm	With 2+1 core (WR2.1OS / WR2.1BS)
2,500 mm	With 2+1 pin connectors (OC2.1MO / OC2.1MF / SMPLC.1)

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

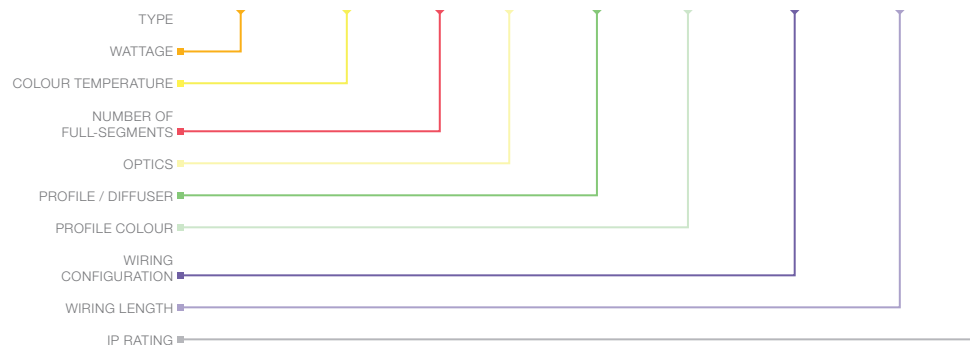
⚠ WARNING

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



ORDERING EXAMPLE

STR - ADURO X2 - 23W - 3.0KCRI - S2 - L25 - P17D2 - BLK - WR2.1BS - 100 - IP40



WATTAGE

11W	10.5W per metre
23W	23W 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 PAGE 06

P17

S1	265mm
S2	505mm
S3	745mm
S4	985mm
S5	1,225mm
S6	1,465mm
S7	1,705mm
S8	1,945mm
S9	2,185mm
S10	2,425mm
S11	2,665mm
S12	2,905mm
S13	3,145mm
S14	3,385mm

PR17

RS1	280mm
RS2	520mm
RS3	760mm
RS4	1,000mm
RS5	1,240mm
RS6	1,480mm
RS7	1,720mm
RS8	1,960mm
RS9	2,200mm
RS10	2,440mm
RS11	2,680mm

OPTICS PAGE 07

L15	25° – 30° Beam
L25	42° – 50° Beam
O209	Oval 40° x 18° Beam

PROFILE / DIFFUSER PAGE 08

P17D2	P17 Profile Diffused
PR17D2	PR17 Recessed Profile Diffused

PROFILE COLOUR ² PAGE 08

BLK	Black (Standard)
WHT	White
GRY	Grey
CST	Custom Colour

WIRING CONFIGURATION PAGE 09

WR2.1OS	Wire 2+1 Core One Side
WR2.1BS	Wire 2+1 Core Both Sides
OC2.1MO	Connector 2+1 pin Male Only
OC2.1MF	Connector 2+1 pin Male + Female
SMPLC.1	Sample Type Connector 2.5mm

WIRING LENGTH PAGE 09

100	100mm
250	250mm
500	500mm
1000	1000mm


IP RATING PAGE 09

IP40	Indoor Use
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¹ Other CCT subject to availability.

² Custom colours available on request.

■ ACCESSORIES

	PRODUCT CODE	DESCRIPTION
MOUNTING CLIP ¹		
	MC-CCLIP	Stainless Steel C-Clip
	MC-XCLIP	Flat Mount X-Clip
	MC-STR-P17R-BLK	Rotating Clip Mount for P17 Profile - Black
	MC-STR-P17R-WHT	Rotating Clip Mount for P17 Profile - White
	MC-STR-PR17	Spring Mounting Clip for PR17 Recessed Profile
¹ Recommended spacing for Mounting Clips is maximum 500mm.		
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		
	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-HLG185-24V	Mean Well Power Supply HLG 185W 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-STR-WR2.1-IP40-3M	3m Cable Extension for Strips Red, Black and White, 0.75mm ² wire
	CBLEXT-STR-WR2.1-IP40-5M	5m Cable Extension for Strips Red, Black and White, 0.75mm ² wire
	CBLEXT-STR-OC2.1-IP65-3M	3m Connector Extension for Strips 1x Red, 1x Black, 1x White, 0.75mm ² wires
	CBLEXT-STR-OC2.1-IP65-5M	5m Connector Extension for Strips 1x Red, 1x Black, 1x White, 0.75mm ² wires