

# ADURO

LED STRIP STR-ADURO





The Aduro LED strip utilizes the latest and most efficient LEDs available today and is offered in a broad range of colours temperatures.

Each LED segment (240mm) features 6 High Power LEDs. The Aduro offers a very high lumen package as well as gradual / variable dimming from 100% – 3%.

**POWER**

**LUMINOUS FLUX**

**11W**  
10.8W / metre



**SD** • 750 lm / metre



**LD** • 850 lm / metre



**RD** • 842 lm / metre



**P17D** • 715 lm / metre

**COLOUR TEMPERATURE**



# HIGH PERFORMANCE

## LOW WATTAGE

The Aduro is designed to provide the highest lumen output at the lowest wattage.

The Aduro offers the highest lumen package out of Coolons range of LED strips.

## HIGH CRI

The Aduro utilizes high CRI (92) LEDs, boosting the colour and vibrancy of the illuminated object.

LOW CRI

HIGH CRI

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

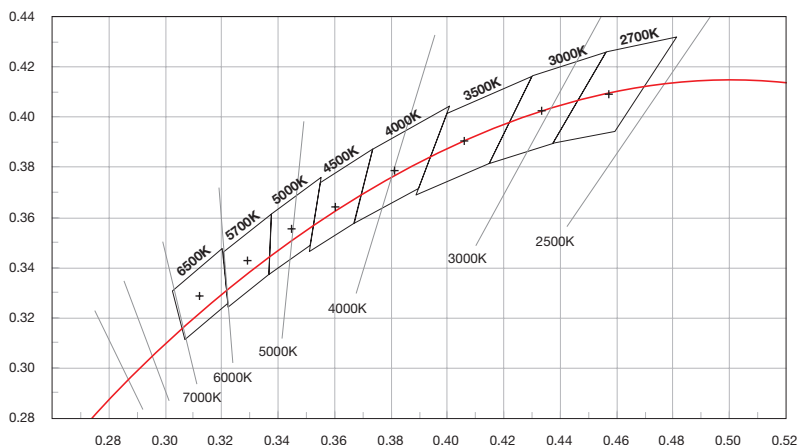
Our products are designed and manufactured in Australia. Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

TECHNICAL SPECIFICATIONS

Product Code	STR-ADURO	
Description	Aduro	
Segment Length (S)	240mm	
Segment Width	10.50mm	
LED Pitch	40.00mm	
LEDs Per Segment	6	
Operating Voltage	24VDC	
Typical Power Consumption per Segment	2.6W per 240mm Segment	
Typical Power Consumption per Metre	10.8W per metre	
Typical Current	108mA per 240mm Segment	
Colour Rendering Index (CRI)	90+	
Dimmable	Through CTR-A2PWM 0-10V, CTR-DIMMERLOGIC, CTR-DALI-LOGIC or CTR-DALILOGIC-IP (sold separately)	
Effective Beam Angle	110°	
External Heatsink Required	No	
Ambient Operating Temp	Ta -10°C to 50°C	
Thermal Operating	Yes (Active)	
Reported Lumen Maintenance	L70 (17K) > 103,000 hours	
TM21-11 (@ Ts = 85°C, If = 700mA)	L90 (17K) > 103,000 hours	
	Aduro max. operating values (@ Ts = 40°C, If = 108mA)	
IP Rating	IP40	
Max Continuous Connection Length	Please refer to installation limitations	
Luminous Flux per Metre (lm/M)	SD	750 lm/Metre
	LD	850 lm/Metre
	RD	842 lm/Metre
	P17D	715 lm/Metre

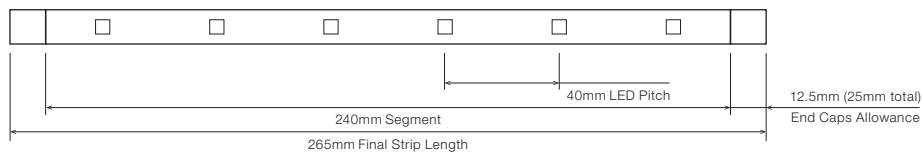
- Specified values measured at 2700K
- Specific lumen output and IES files available on request

COLOUR BINNING

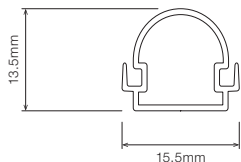


■ DIMENSIONS

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



**STANDARD PROFILE**



**AVAILABLE IN**

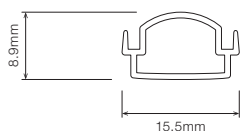
Diffused



**MOUNTING OPTIONS**

- **MC-STR-1513**  
Stainless Steel Mounting Clips

**LOW PROFILE**



**AVAILABLE IN**

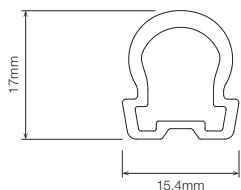
Diffused



**MOUNTING OPTIONS**

- **MC-STR-1513**  
Stainless Steel Mounting Clips

**REINFORCED PROFILE**



**AVAILABLE IN**

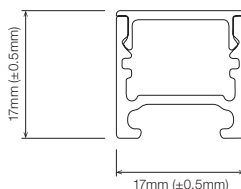
Diffused



**MOUNTING OPTIONS**

- **MC-STR-RD**  
Stainless Steel Mounting Clips

**P17 PROFILE**



**AVAILABLE IN**

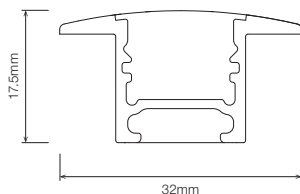
Diffused



**MOUNTING OPTIONS**

- **MC-XCLIP**  
Flat Mount X-Clip
- **MC-STR-RBCLIP**  
Rebate Mounting Clip
- **MC-STR-SMCLIP**  
Pivot Surface Mounting Clip
- **MC-P17R**  
Rotating Clip Mount

**PR17 RECESSED PROFILE**



**AVAILABLE IN**

Diffused



**MOUNTING OPTIONS**

- **MC-XCLIP**  
Flat Mount X-Clip
- **MC-STR-SMCLIP**  
Pivot Surface Mounting Clip
- **MC-STR-PR1732**  
Spring Mounting Clip



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



▪ PRODUCT LENGTH WITH SD/LD/RD/P17D

FULL SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
S1	240mm	add 25mm	265mm
S2	480mm	add 25mm	505mm
S3	720mm	add 25mm	745mm
S4	960mm	add 25mm	985mm
S5	1,200mm	add 25mm	1,225mm
S6	1,440mm	add 25mm	1,465mm
S7	1,680mm	add 25mm	1,705mm
S8	1,920mm	add 25mm	1,945mm
S9	2,160mm	add 25mm	2,185mm
S10	2,400mm	add 25mm	2,425mm
S11	2,640mm	add 25mm	2,665mm
S12	2,880mm	add 25mm	2,905mm
S13	3,120mm	add 25mm	3,145mm
S14	3,360mm	add 25mm	3,385mm

Confirm interstate courier compliance

▪ LD is only available for lengths up to 2,200mm

▪ PRODUCT LENGTH WITH PR17

FULL SEGMENTS	EXACT STRIP LENGTH	PR17 END CAP ALLOWANCE	PR17 FINAL LENGTH
RS1	240mm	add 40mm	280mm
RS2	480mm	add 40mm	520mm
RS3	720mm	add 40mm	760mm
RS4	960mm	add 40mm	1,000mm
RS5	1,200mm	add 40mm	1,240mm
RS6	1,440mm	add 40mm	1,480mm
RS7	1,680mm	add 40mm	1,720mm
RS8	1,920mm	add 40mm	1,960mm
RS9	2,160mm	add 40mm	2,200mm
RS10	2,400mm	add 40mm	2,440mm
RS11	2,640mm	add 40mm	2,680mm
RS12	2,880mm	add 40mm	2,920mm

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.

## PROFILE / DIFFUSER

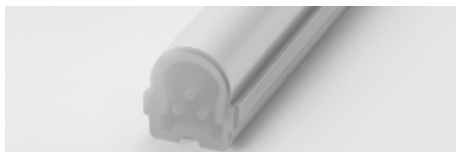
**SD** - Standard Profile Diffused



**LD** - Low Profile Diffused



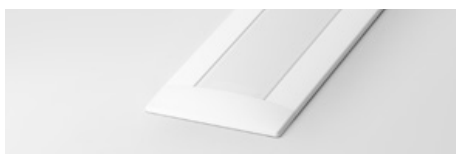
**RD** - Reinforced Profile Diffused



**P17D** - P17 Profile Diffused



**PR17D** - PR17 Profile Recessed Diffused



## PROFILE COLOUR

Profile colour applicable to P17 and PR17 only.

**BLK** - Black (Standard)



**WHT** - White



**CST** - Custom Colour <sup>1</sup>



<sup>1</sup> 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 Outdoor Connector 2+1 pin Male Only			
OC2.1MF Outdoor 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	Dimming

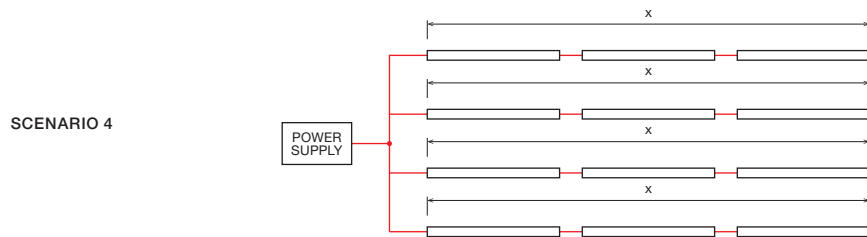
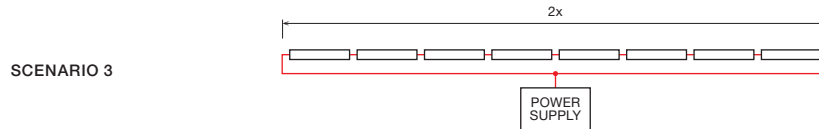
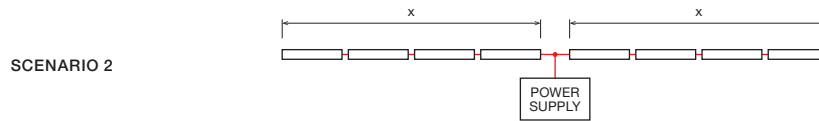
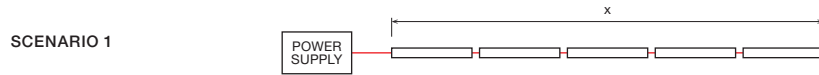
## IP RATING

# IP40

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



■ INSTALLATION LIMITS



MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
9,600 mm	With standard 2+1 core (WR2.1OS / WR2.1BS)
10,900 mm	With upgraded 4+1 core (WR4.1OS / WR4.1BS)
5,200 mm	With upgraded outdoor 2+1 pin connectors (OC2.1MO / OC2.1MF)
8,800 mm	With upgraded outdoor 4+1 pin connectors (OC4.1MO / OC4.1MF)

- Extension cables between LED fittings and driver or PSU is based on: LED load, outdoor or indoor applications. Please consult Coolon for details.

**⚠ WARNING**

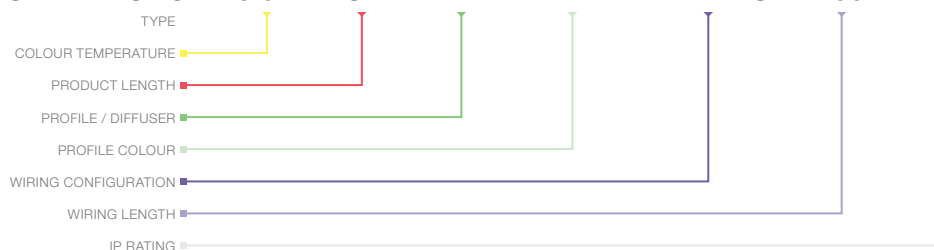
Avoid connecting multiple power supplies into a single circuit, unless they are specifically designed to do so.

✗

✗

## ORDERING EXAMPLE

### STR - ADURO - 3.0K - S2 - P17D - BLK - WR2.1BS - 100 - IP40



#### COLOUR TEMPERATURE <sup>1</sup> PAGE 04

2.7K	2700K
3.0K	3000K
3.5K	3500K
4.0K	4000K

#### PRODUCT LENGTH PAGE 06

SD, LD <sup>2</sup> , RD, P17D	
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	1,225mm
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
RS12	2,920mm

#### PROFILE / DIFFUSER PAGE 07

SD	Standard Profile Diffused
LD	Low Profile Diffused
RD	Reinforced Profile Diffused
P17D	P17 Profile Diffused
PR17D	PR17 Recessed Profile Diffused

#### PROFILE COLOUR <sup>3</sup> PAGE 07

BLK	Black (Standard)
WHT	White
CST	Custom Colour

#### WIRING CONFIGURATION PAGE 08

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

#### WIRING LENGTH PAGE 09

100	100mm
250	250mm
500	500mm
1000	1,000mm

#### IP RATING PAGE 08

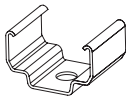
IP40	Indoor Use
------	------------

<sup>1</sup> Other colour temperatures subject to availability.

<sup>2</sup> LD is only available for lengths up to 2,200mm.


<sup>3</sup> Profile colour applicable to P17 and PR17 only. Custom colours available on request.

## ■ ACCESSORIES


	PRODUCT CODE	DESCRIPTION
	<b>MOUNTING CLIP <sup>1</sup></b>	
	MC-STR-1513	Stainless Steel Mounting Clips for Standard & Low Profile
	MC-STR-RD	Stainless Steel Mounting Clips for Reinforced Profile
	MC-XCLIP	Flat Mount X-Clip
	MC-STR-RBCLIP	Rebate Mounting Clip
	MC-STR-SMCLIP	Pivot Surface Mounting Clip
	MC-P17R-BLK	Rotating Clip Mount for P17 Profile - Black
	MC-P17R-WHT	Rotating Clip Mount for P17 Profile - White
MC-STR-PR1732	Spring Mounting Clip for PR17 Recessed Profile	

<sup>1</sup> Recommended spacing between MC-STR-RD and MC-STR-1513 Mounting Clips is maximum 300mm. Recommended spacing for all other 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-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

### CABLE EXTENSIONS

	CBLEXT-STR-WR2.1-IP40-3M	3m Cable Extension for Strips Red, Black and White, 0.75mm <sup>2</sup> wire
	CBLEXT-STR-WR2.1-IP40-5M	5m Cable Extension for Strips Red, Black and White, 0.75mm <sup>2</sup> wire
	CBLEXT-STR-OC2.1-IP65-3M	3m Connector Extension for Strips 1x Red, 1x Black, 1x White, 0.75mm <sup>2</sup> wires
	CBLEXT-STR-OC2.1-IP65-5M	5m Connector Extension for Strips 1x Red, 1x Black, 1x White, 0.75mm <sup>2</sup> wires
	CBLEXT-STR-WR4.1-IP40-3M	3m Cable Extension for Strips 2x Red, 2x Black, 1x White, 0.75mm <sup>2</sup> wires
	CBLEXT-STR-WR4.1-IP40-5M	5m Cable Extension for Strips 2x Red, 2x Black, 1x White, 0.75mm <sup>2</sup> wires
	CBLEXT-STR-OC4.1-IP65-3M	3m Connector Extension for Strips 2x Red, 2x Black, 1x White, 0.75mm <sup>2</sup> wires
	CBLEXT-STR-OC4.1-IP65-5M	5m Connector Extension for Strips 2x Red, 2x Black, 1x White, 0.75mm <sup>2</sup> wires