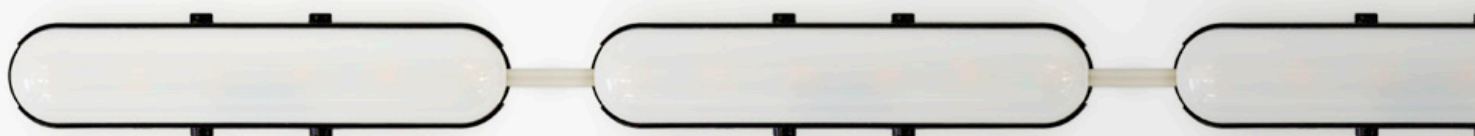


# ALTO CC

LED STRIP CHAIN MODULE STR-ALTO CC





The Alto CC hosts the power of its linear rigid siblings with added flexibility that allows it to twist and turn as you please.

This flexibility makes the Alto CC the optimum choice for indirect cove lighting solutions.

The product arrives pre-connected or in kit format allowing easy quick connections to be made from module to module.

#### POWER

#### LUMINOUS FLUX

##### 5W

5W / metre



**SD** • 560 lm / metre

##### 10W

10W / metre



**SD** • 1000 lm / metre

##### 15W

15W / metre



**SD** • 1540 lm / metre

#### COLOUR TEMPERATURE

2700K

3000K

4000K





## CURVE RIGID STRIPS WITH EASE

The Alto CC is a rigid chain module that has flexible connection in between modules, enabling use in curved coves and pelmets.



## SIMPLIFIED INSTALLATION

The strip arrives pre-connected to suit the length required on site. Simply take out of the box and connect it to power.

L70

### LONG USEFUL OPERATING LIFE

Currently available specification from world's most reputable LED manufacturers states 50,000 hours of continuous operation at the rated current within the operating temperature range to 70% residual light output.



### VARIOUS CCT & COLOUR BINNING CONSISTENCY

Product is offered in various Colour Temperatures using tighter bins.

3  
YEARS

### 3 YEARS FULL /SOLID 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.



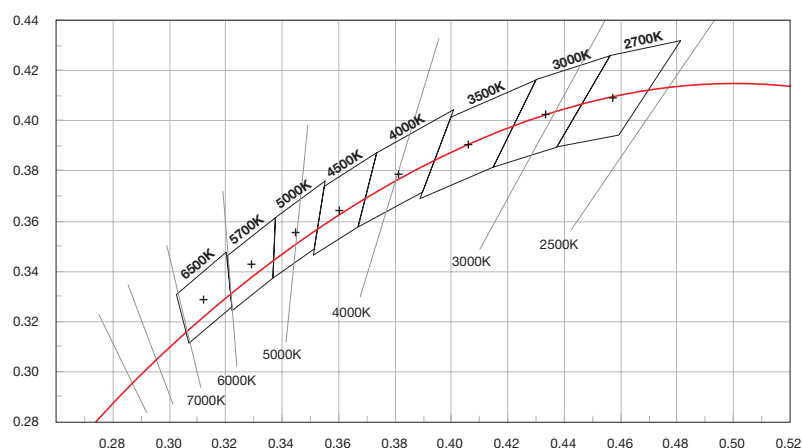
### PROUDLY MADE IN AUSTRALIA

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-ALTO CC
Description	LED Strip Chain Module
Segment Length (S)	90mm
Segment Width	20.50mm or 24.10mm with Mounting Clip
LED Pitch	12.00mm
LEDs Per Segment	7
Operating Voltage	42VDC
Typical Power Consumption per Segment	1.0W per 90mm Segment
Typical Power Consumption per Metre	11W per Metre
Typical Current	25mA per 90mm Segment
Colour Rendering Index (CRI)	80+
Max Continuous Connection Length	6 Metres or 67 Segments
Dimmable	Through DRV-DALIPOINT-1X5A, DRV-DALIPOINT-1X10A-IP, or DRV-DIMMERPOINT-1X10A (sold separately)
Effective Beam Angle	120°
External Heatsink Required	No
Ambient Operating Temp	Ta -40°C to 50°C
Thermal Management	Yes (Active)
Average Lumen Maintenance @Ta 25°C	70% @ 50,000 Hours
IP Rating	IP20

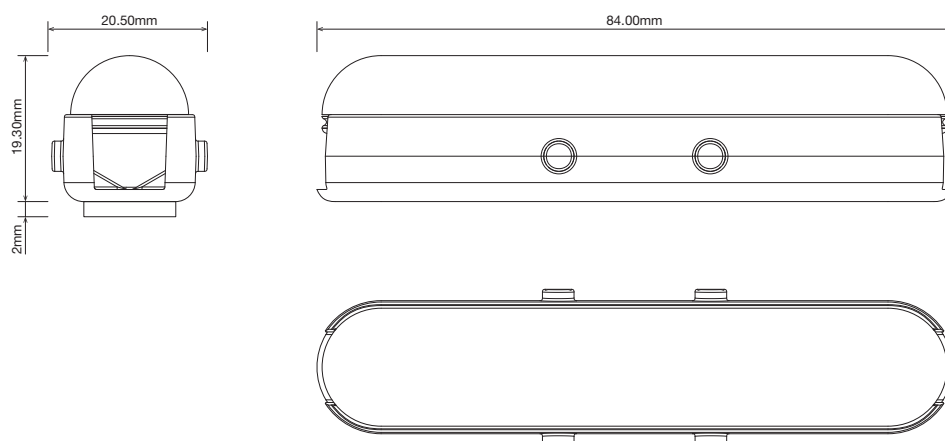
## COLOUR BINNING



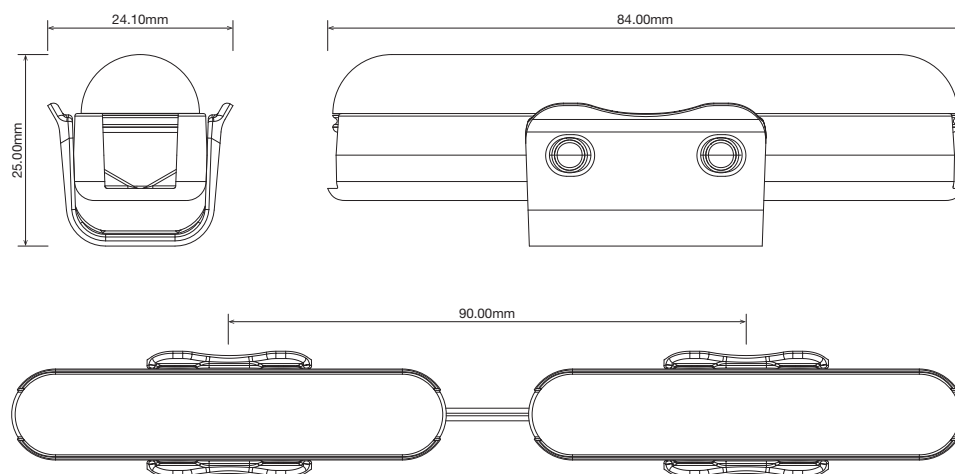
## DIMENSIONS

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

### ALTO CC WITH MOUNTING TAPE



### ALTO CC WITH MOUNTING CLIP



## ■ PRODUCT LENGTH

### POWERED BY 42VDC

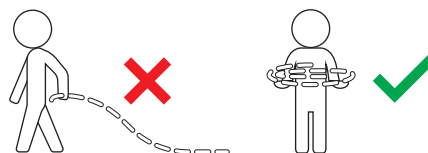
PCB SEGMENT	FINAL LENGTH	AMP / M @ 42V
S1	90mm	0.027
S2	180mm	0.054
S3	270mm	0.081
S4	360mm	0.108
S5	450mm	0.135
S6	540mm	0.162
S7	630mm	0.189
S8	720mm	0.216
S9	810mm	0.243
S10	900mm	0.270
S11	990mm	0.297
S12	1,080mm	0.324
S13	1,170mm	0.351
S14	1,260mm	0.378
S15	1,350mm	0.405
S16	1,440mm	0.432
S17	1,530mm	0.459
S18	1,620mm	0.486
S19	1,710mm	0.513
S20	1,800mm	0.540
S21	1,890mm	0.567
S22	1,980mm	0.594
S23	2,070mm	0.621
S24	2,160mm	0.648
S25	2,250mm	0.675
S26	2,340mm	0.702
S27	2,430mm	0.729
S28	2,520mm	0.756
S29	2,610mm	0.783
S30	2,700mm	0.810
S31	2,790mm	0.837
S32	2,880mm	0.864
S33	2,970mm	0.891
S34	3,060mm	0.918
S35	3,150mm	0.945
S36	3,240mm	0.972
S37	3,330mm	0.999
S38	3,420mm	1.026
S39	3,510mm	1.053

➡ Continued on next page

### ⚠ 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.



## ■ PRODUCT LENGTH

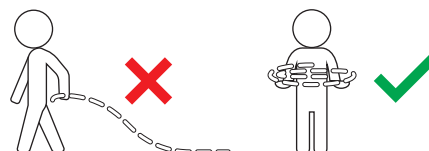
### POWERED BY 42VDC

PCB SEGMENT	FINAL LENGTH	AMP / M @ 42V
S40	3,600mm	1.080
S41	3,690mm	1.107
S42	3,780mm	1.134
S43	3,870mm	1.161
S44	3,960mm	1.188
S45	4,050mm	1.215
S46	4,140mm	1.242
S47	4,230mm	1.269
S48	4,320mm	1.296
S49	4,410mm	1.323
S50	4,500mm	1.350
S51	4,590mm	1.377
S52	4,680mm	1.404
S53	4,770mm	1.431
S54	4,860mm	1.458
S55	4,950mm	1.485
S56	5,040mm	1.512
S57	5,130mm	1.539
S58	5,220mm	1.566
S59	5,310mm	1.593
S60	5,400mm	1.620
S61	5,490mm	1.647
S62	5,580mm	1.674
S63	5,670mm	1.701
S64	5,760mm	1.728
S65	5,850mm	1.755
S66	5,940mm	1.782
S67	6,030mm	1.809

### ⚠ 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.



## ■ DIFFUSER

**SD** - Standard Diffused



## ■ WIRING CONFIGURATION

CONNECTOR TYPE	DRAWING	FEMALE	MALE
WR2OS Wire 2 Core One Side			
WR2BS Wire 2 Core Both Sides			
OC2MO Outdoor Connector 2pin Male Only			
OC2MF Outdoor Connector 2pin Male + Female			
SMPLC Sample Type Connector 2.5mm			

■ Standard Wiring Length 250mm.

■ Please consult Coolon for details on extension cables between LED fittings, drivers and PSUs.

WIRING COLOUR CODE	
Red	+ VDC
Black	GND

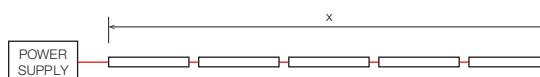
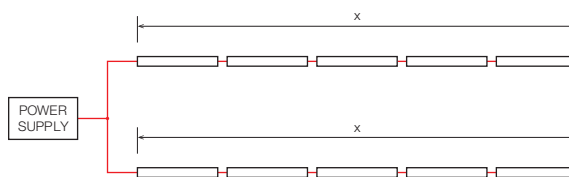
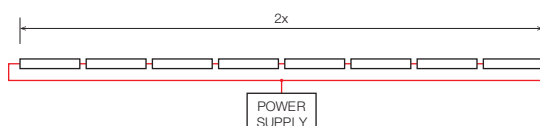
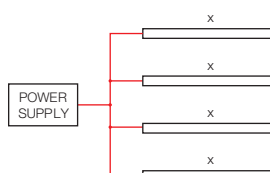
## ■ IP RATING

**IP20**

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



## ■ INSTALLATION LIMITS

**SCENARIO 1****SCENARIO 2****SCENARIO 3****SCENARIO 4****ALTO CC - 5W VERSION****MAX. CONTINUOUS CONNECTION LENGTH (X)**

6,030mm

**SUPPLY VOLTAGE**

42VDC

**NUMBER OF MODULES**

67

**ALTO CC - 10W VERSION****MAX. CONTINUOUS CONNECTION LENGTH (X)**

6,030mm

**SUPPLY VOLTAGE**

42VDC

**NUMBER OF MODULES**

67

**ALTO CC - 15W VERSION****MAX. CONTINUOUS CONNECTION LENGTH (X)**

6,030mm

**SUPPLY VOLTAGE**

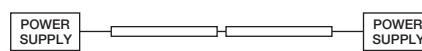
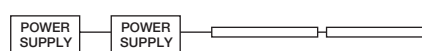
42VDC

**NUMBER OF MODULES**

67

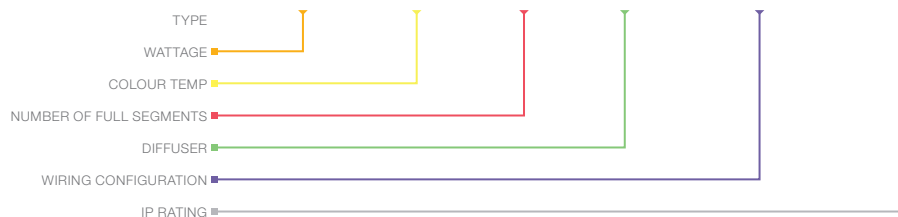
**⚠ WARNING**

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



## ORDERING EXAMPLE

**STR - ALTO CC - 5W - 3.0K - S1 - SD - WR2OS - IP20**



### WATTAGE

5W	5W per Metre
10W	10W per Metre
15W	15W per Metre

### COLOUR TEMPERATURE \* PAGE 04

2.7K	2700K CRI 80
2.7KCRI	2700K CRI 90
3.0K	3000K CRI 80
3.0KCRI	3000K CRI 90
4.0K	4000K CRI 80
4.0KCRI	4000K CRI 90

### PRODUCT LENGTH PAGE 06

S1	90mm	S35	3,150mm
S2	180mm	S36	3,240mm
S3	270mm	S37	3,330mm
S4	360mm	S38	3,420mm
S5	450mm	S39	3,510mm
S6	540mm	S40	3,600mm
S7	630mm	S41	3,690mm
S8	720mm	S42	3,780mm
S9	810mm	S43	3,870mm
S10	900mm	S44	3,960mm
S11	990mm	S45	4,050mm
S12	1,080mm	S46	4,140mm
S13	1,170mm	S47	4,230mm
S14	1,260mm	S48	4,320mm
S15	1,350mm	S49	4,410mm
S16	1,440mm	S50	4,500mm
S17	1,530mm	S51	4,590mm
S18	1,620mm	S52	4,680mm
S19	1,710mm	S53	4,770mm
S20	1,800mm	S54	4,860mm
S21	1,890mm	S55	4,950mm
S22	1,980mm	S56	5,040mm
S23	2,070mm	S57	5,130mm
S24	2,160mm	S58	5,220mm
S25	2,250mm	S59	5,310mm
S26	2,340mm	S60	5,400mm
S27	2,430mm	S61	5,490mm
S28	2,520mm	S62	5,580mm
S29	2,610mm	S63	5,670mm
S30	2,700mm	S64	5,760mm
S31	2,790mm	S65	5,850mm
S32	2,880mm	S66	5,940mm
S33	2,970mm	S67	6,030mm
S34	3,060mm		

### PROFILE / DIFFUSER PAGE 08

SD	Standard Diffused
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### WIRING CONFIGURATION PAGE 08




WR2OS	Wire 2 Core One Side
WR2BS	Wire 2 Core Both Sides
OC2MO	Outdoor Connector 2 pin Male Only
OC2MF	Outdoor Connector 2 pin Male + Female
SMPLC	Sample Type Connector 2.5mm

### IP RATING PAGE 08

IP20	Indoor Use
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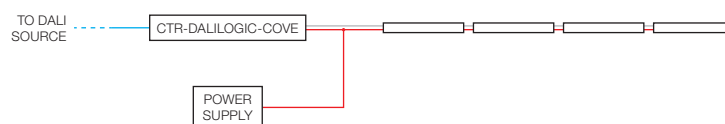
\* Other CCT subject to availability.

## ■ ACCESSORIES

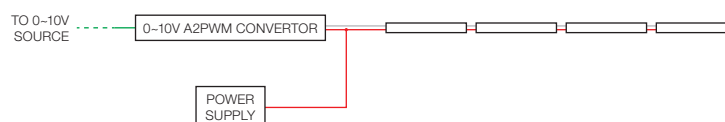
	PRODUCT CODE	DESCRIPTION
<b>MOUNTING CLIP</b>		
	MC-CC	Black Plastic Mounting Clip for Alto CC, Multo CC, Primo CC Module
	MT-CC	Adhesive double sided mounting tape for Alto CC, Multo CC, Primo CC Module
<b>DRIVER</b>		
	DRV-DIMMERPOINT-1X10A	Rotary Wall-Mount LED Driver
	DRV-DALIPOINT-1X5A	Indoor DALI Point 1 Channel Driver 5A
	DRV-DALIPOINT-IP1X10A	Outdoor DALI Point 1 Channel Driver 10A
<b>POWER SUPPLIES</b>		
	PWR-HLG60-42V	Mean Well Power Supply HLG 60W 42V IP67
	PWR-HLG150-42V	Mean Well Power Supply HLG 150W 42V IP67
	PWR-HLG240-42V	Mean Well Power Supply HLG 240W 42V IP67

## ■ WIRING DIAGRAMS

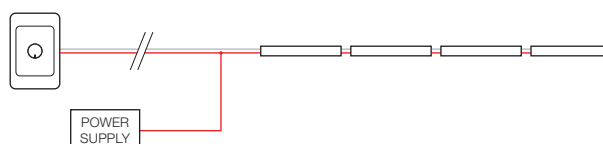
### WITH DALI LOGIC



### WITH 0 – 10V



### WITH COOLON WALL DIMMER



■ Please consult Coolon for details on extension cables between LED fittings, drivers and PSUs.