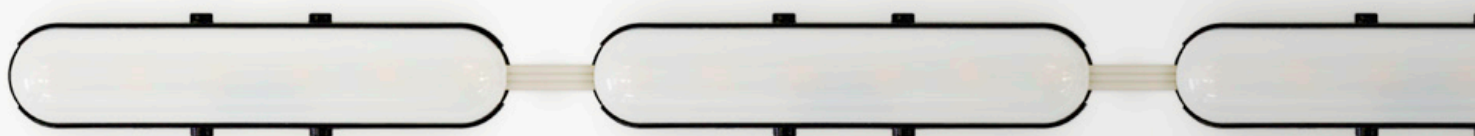


PRIMO CC

LED STRIP CHAIN MODULE STR-PRIMO CC





Hosting the power of its linear sibling, the Primo CC can twist and turn around any corner. This flexibility makes the Primo CC LED strip the ultimate architectural lighting solution by adapting to spaces where curved and straight lines interact.

The products versatility makes it suitable for numerous applications where customised shaping on-site can be seamlessly integrated into the design. The Primo CC features in-built dimming and thermal management.

POWER

LUMINOUS FLUX

11W

11 – 14W / metre



SD • 1000 lm / metre

COLOUR TEMPERATURE

2200K

2500K

2700K

3000K

4000K

5000K



CURVE RIGID STRIPS WITH EASE

The Primo 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 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.



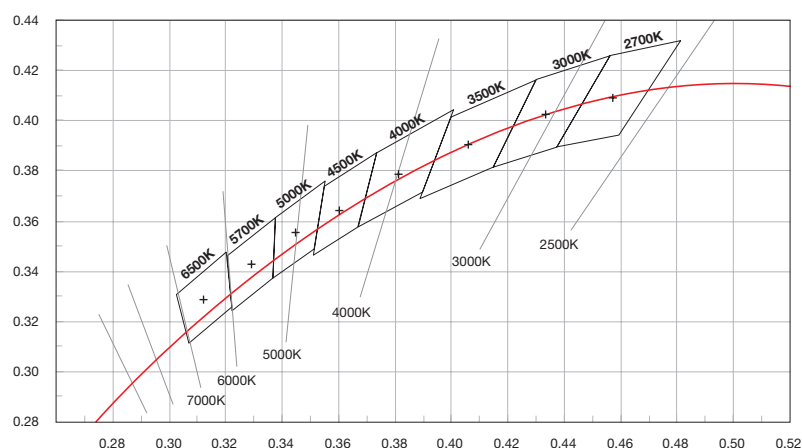
PROUDLY MADE IN AUSTRALIA

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

	POWERED BY 24VDC	POWERED BY 48VDC
Product Code	STR-PRIMO CC	
Description	LED Strip Chain Module	
Segment Length (S)	90mm	
Segment Width	20.50mm or 24.10mm with Mounting Clip	
LED Pitch	14.00mm	
LEDs Per Segment	6 or 2x6	
Operating Voltage	24VDC	48VDC
Typical Power Consumption per Segment	1.0W per 90mm Segment	1.3W per 90mm Segment
Typical Power Consumption per Metre	11W per metre	14.3W per metre
Typical Current	41mA per 90mm Segment	27mA per 90mm Segment
Colour Rendering Index (CRI)	80+	
Max Continuous Connection Length	3.6 Metres	5.4 Metres
Dimmable	Through CTR-DALILOGIC-COVE or CTR-DIMMERLOGIC (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	

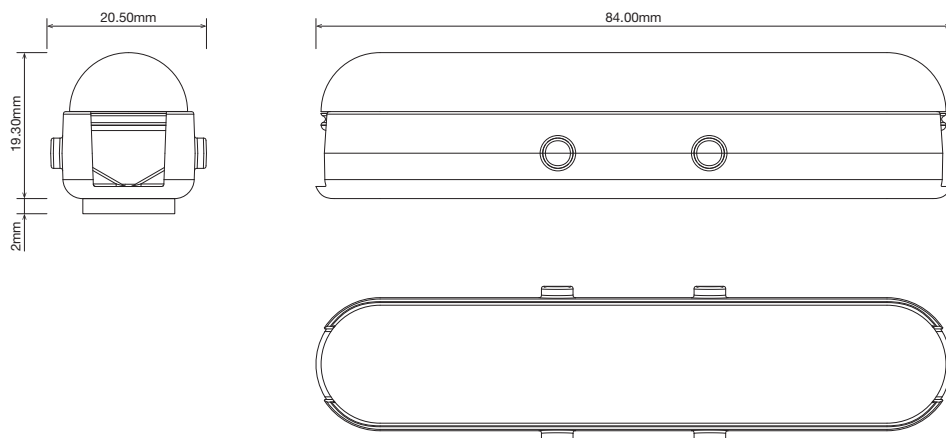
COLOUR BINNING



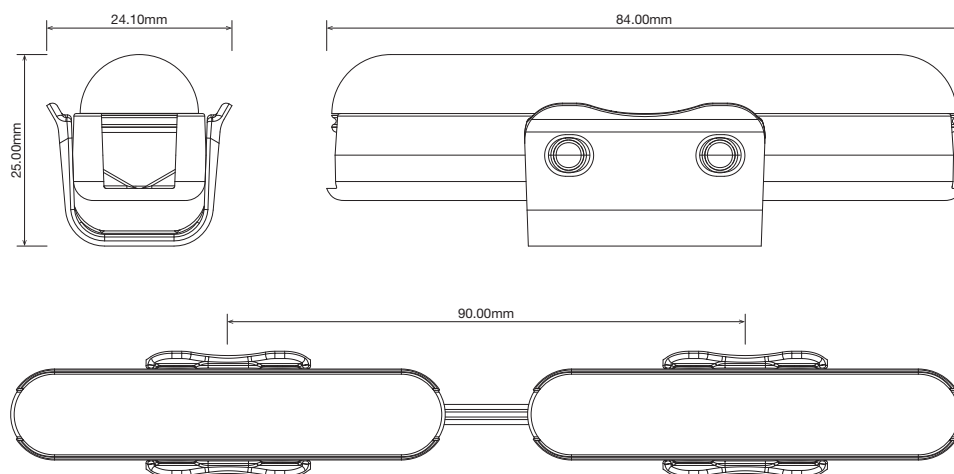
■ DIMENSIONS

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

PRIMO CC WITH MOUNTING TAPE



PRIMO CC WITH MOUNTING CLIP



■ PRODUCT LENGTH

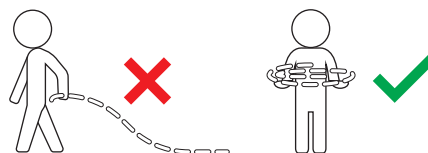
POWERED BY 24VDC / 48VDC

PCB SEGMENT	FINAL LENGTH	AMP / M @ 24V	AMP / M @ 48V
S1	90mm	0.042	0.027
S2	180mm	0.084	0.054
S3	270mm	0.126	0.081
S4	360mm	0.168	0.108
S5	450mm	0.210	0.135
S6	540mm	0.252	0.162
S7	630mm	0.294	0.189
S8	720mm	0.336	0.216
S9	810mm	0.378	0.243
S10	900mm	0.420	0.270
S11	990mm	0.462	0.297
S12	1,080mm	0.504	0.324
S13	1,170mm	0.546	0.351
S14	1,260mm	0.588	0.378
S15	1,350mm	0.630	0.405
S16	1,440mm	0.672	0.432
S17	1,530mm	0.714	0.459
S18	1,620mm	0.756	0.486
S19	1,710mm	0.798	0.513
S20	1,800mm	0.840	0.540
S21	1,890mm	0.882	0.567
S22	1,980mm	0.924	0.594
S23	2,070mm	0.966	0.621
S24	2,160mm	1.008	0.648
S25	2,250mm	1.050	0.675
S26	2,340mm	1.092	0.702
S27	2,430mm	1.134	0.729
S28	2,520mm	1.176	0.756
S29	2,610mm	1.218	0.783
S30	2,700mm	1.260	0.810
S31	2,790mm	1.302	0.837
S32	2,880mm	1.344	0.864
S33	2,970mm	1.386	0.891
S34	3,060mm	1.428	0.918
S35	3,150mm	1.470	0.945
S36	3,240mm	1.512	0.972
S37	3,330mm	1.554	0.999
S38	3,420mm	1.596	1.026
S39	3,510mm	1.638	1.053
S40	3,600mm	1.680	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

⚠ 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	MALE	FEMALE
WR2.10S Wire 2+1 Core One Side			
SMPLC.1 Sample Type Connector 2.5mm			

- 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	Dimming

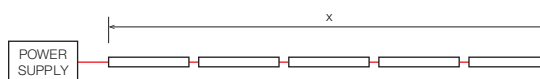
■ IP RATING

IP20

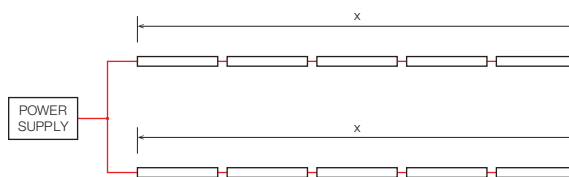
Protected against solid
objects greater than 12mm.
No Protection against liquids.

■ INSTALLATION LIMITS

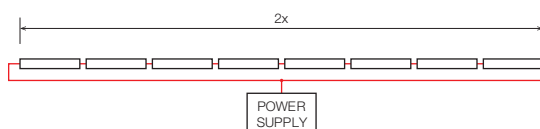
SCENARIO 1



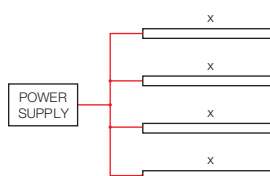
SCENARIO 2



SCENARIO 3



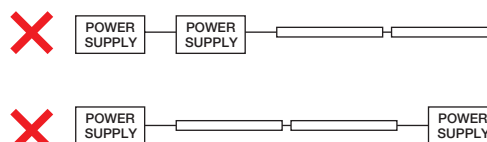
SCENARIO 4



MAX. CONTINUOUS CONNECTION LENGTH (X)	SUPPLY VOLTAGE	NUMBER OF MODULES
3,600mm	24VDC	40
5,400mm	48VDC	60

⚠ WARNING

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



ORDERING EXAMPLE

STR - PRIMO CC - 3.0K - S1 - SD - WR2.1OS - IP20



■ COLOUR TEMPERATURE ¹ PAGE 04

2.2K	2200K
2.5K	2500K
2.7K	2700K
3.0K	3000K
4.0K	4000K
5.0K	5000K

■ PRODUCT LENGTH PAGE 06

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

■ PROFILE / DIFFUSER PAGE 07





SD	Standard Diffused
■ WIRING CONFIGURATION PAGE 07	
WR2.1OS	Wire 2+1 Core One Side
SMPLC.1	Sample Type Connector 2.5mm

■ IP RATING PAGE 07

IP20

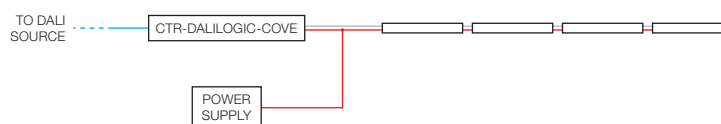
¹ Other CCT subject to availability.

■ ACCESSORIES

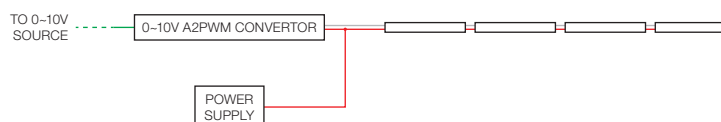
	PRODUCT CODE	DESCRIPTION
MOUNTING CLIP ¹		
	MC-STR-CC	Black Plastic Mounting Clip
	MT-CC	Adhesive double sided mounting tape
¹ One MC-STR-CC or MT-CC required per segment		
CONTROLLER		
	CTR-A2PWM 0-10V	0 – 10V A2PWM Converter
	CTR-DIMMERLOGIC	Coolon Universal Wall Dimmer with 0 – 10V and PWM Logic Output
	CTR-DALI-LOGIC-COVE	Indoor DALI Logic 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
	PWR-HLG240-48V	Mean Well Power Supply HLG 240W 48V 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

■ WIRING DIAGRAMS

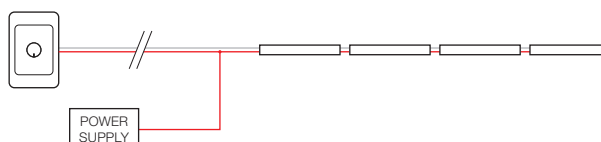
WITH DALI LOGIC COVE



WITH 0 – 10V



WITH COOLON WALL DIMMER



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