COOLON

PRIMO

Primo features 240mm divisible length segments, allowing you to customise the ideal length for your cove lighting project. Primo features on-board dimming and thermal management.
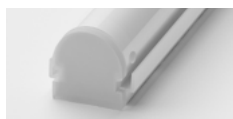
Primo is designed for concealed cove lighting applications where value and ease of installation is paramount.
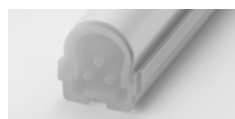
POWER	LUMINOUS FLUX		
10W 10.8W / metre	**SD** · 800 lm / metre	**RD** · 670 lm / metre	**P17D** · 570 lm / metre

COLOUR TEMPERATURE

2700K　　　　3000K　　　　4000K　　　　5000K

COOLON

HIGH PERFORMANCE
ECONOMICAL

Primo is designed to provide the highest lumen output for budget applications. It offers a reasonably high lumen package while maintaining high performance and exceptional reliability.

VERSATILE LENGTH OPTIONS

Versatile length options allow the user to achieve accurate and adaptable lengths. Primo can achieve any desired length in 240mm increments.
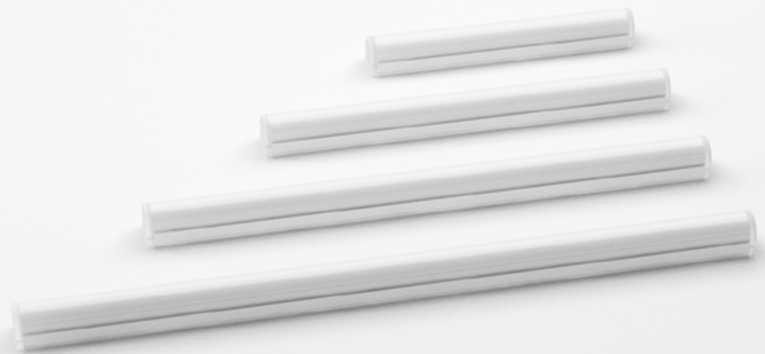
LONG OPERATING LIFE

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 usestate-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 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.

COOLON

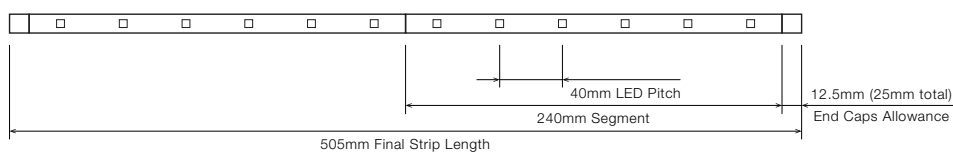sales@coolon.com.au   **aus.** 1300 287 533   **intl.** +613 8681 3633   www.coolon.com.au   Version 3.3
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▪ TECHNICAL SPECIFICATIONS

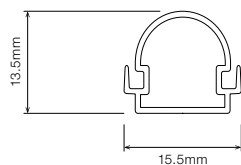|	
Product Code	STR-PRIMO
Description	Primo High Power LED Strip
Segment Length (S)	480mm
Sub-Segment Length (A)	240mm
Number of Sub-Segments	2
Segment Width	10.50mm
LED Pitch	40.00mm
LEDs Per Segment	12
LEDs Per Sub Segment	6
Operating Voltage	24VDC
Typical Power Consumption per Segment	5.2W per 480mm Segment
Typical Power Consumption per Metre	10.8W per metre
Typical Current	216mA per 480mm Segment
Colour Rendering Index (CRI)	80+
Dimmable	With DALI / PWM Logic
Effective Beam Angle	110°
External Heatsink Required	No
Ambient Operating Temp	Ta -10°C to 50°C
Thermal Operating	Yes (Active)
Average Lumen Maintenance @Ta 25°C	70% @ 50,000 Hours
IP Rating	IP40
Max Continuous Connection Length	Please refer to installation limitations

▪ COLOUR BINNING
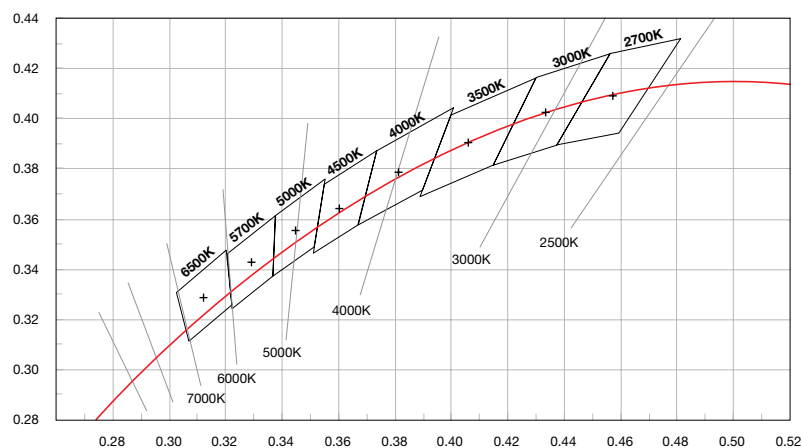
• DIMENSIONS

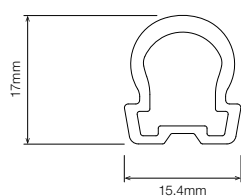For final strip lengths please refer to the "Product Length" table.

40mm LED Pitch
12.5mm (25mm total)
240mm Segment
End Caps Allowance
505mm Final Strip Length

STANDARD PROFILE

13.5mm

15.5mm

AVAILABLE IN

Diffused

MOUNTING OPTIONS

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

REINFORCED PROFILE

17mm

15.4mm

AVAILABLE IN

Diffused

MOUNTING OPTIONS

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

P17 PROFILE
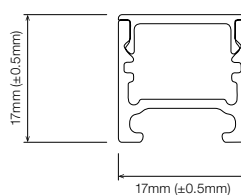
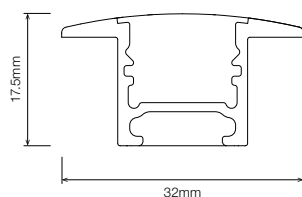17mm (±0.5mm)

17mm (±0.5mm)

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

17.5mm

32mm

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.

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▪ PRODUCT
LENGTH WITH
SD/RD/P17D

FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
S0	A1	240mm	add 25mm	265mm
S1	A0	480mm	add 25mm	505mm
S1	A1	720mm	add 25mm	745mm
S2	A0	960mm	add 25mm	985mm
S2	A1	1,200mm	add 25mm	1,225mm
S3	A0	1,440mm	add 25mm	1,465mm
S3	A1	1,680mm	add 25mm	1,705mm
S4	A0	1,920mm	add 25mm	1,945mm
S4	A1	2,160mm	add 25mm	2,185mm
S5	A0	2,400mm	add 25mm	2,425mm
S5	A1	2,640mm	add 25mm	2,665mm
S6	A0	2,880mm	add 25mm	2,905mm
S6	A1	3,120mm	add 25mm	3,145mm
S7	A0	3,360mm	add 25mm	3,385mm

� Confirm interstate courier compliance

▪ PRODUCT
LENGTH
WITH PR17

FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
RS0	A1	240mm	add 40mm	280mm
RS1	A0	480mm	add 40mm	520mm
RS1	A1	720mm	add 40mm	760mm
RS2	A0	960mm	add 40mm	1,000mm
RS2	A1	1,200mm	add 40mm	1,240mm
RS3	A0	1,440mm	add 40mm	1,480mm
RS3	A1	1,680mm	add 40mm	1,720mm
RS4	A0	1,920mm	add 40mm	1,960mm
RS4	A1	2,160mm	add 40mm	2,200mm
RS5	A0	2,400mm	add 40mm	2,440mm
RS5	A1	2,640mm	add 40mm	2,680mm
RS6	A0	2,880mm	add 40mm	2,920mm

▪ Confirm interstate courier compliance

⚠ **WARNING**

Do not bend LED strip when removing from mounting clips.
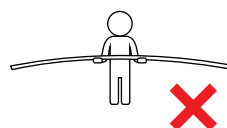
Gently twist LED Strip to remove from mounting clips.

❌
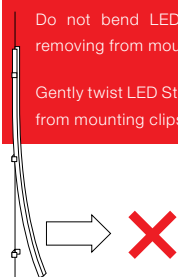
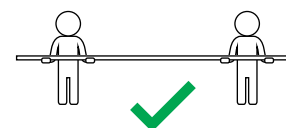⚠ **WARNING**

PLEASE HANDLE LONG
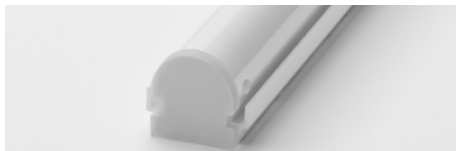LED STRIPS WITH CARE.

LED Strips must not be bent.

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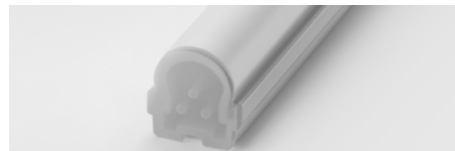
❌ ✅

▪ PROFILE /
DIFFUSER

SD · Standard Profile Diffused

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
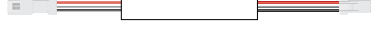
CST · Custom Colour [1]

[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 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.

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Version 3.3
Page 8

▪ INSTALLATION LIMITS

SCENARIO 1

SCENARIO 2

SCENARIO 3

SCENARIO 4
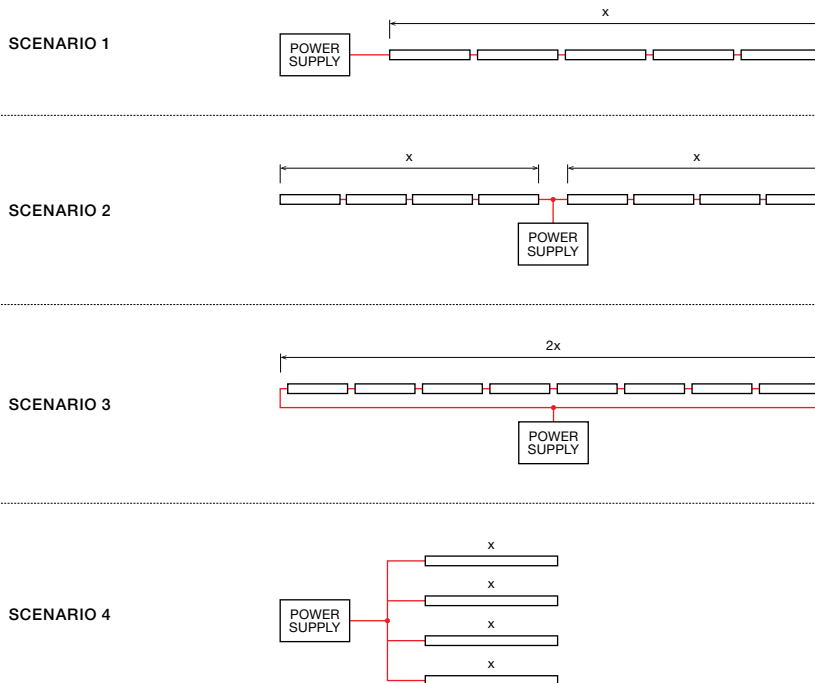
MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
12,000 mm	With standard 2+1 core (WR2.1OS / WR2.1BS)
17,000 mm	With upgraded 4+1 core (WR4.1OS / WR4.1BS)
5,400 mm	With upgraded outdoor 2+1 pin connectors (OC2.1MO / OC2.1FO / OC2.1MF)
9,000 mm	With upgraded outdoor 4+1 pin connectors (OC4.1MO / OC4.1FO / OC4.1MF)

▪ 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 - PRIMO - 3.0K - S2A1 - P17D - BLK - WR2.1BS - 100 - IP40

TYPE
COLOUR TEMP
NUMBER OF
FULL SEGMENTS
NUMBER OF
SUB SEGMENTS
PROFILE / DIFFUSER
PROFILE COLOUR
WIRING
CONFIGURATION
WIRING LENGTH
IP RATING

■ **COLOUR TEMPERATURE** [1] PAGE 04

2.7K	2700K
3.0K	3000K
4.0K	4000K
5.0K	5000K

■ **PRODUCT LENGTH** PAGE 06

FULL SEGMENTS		SUB SEGMENTS
S0	RS0	A0
S1	RS1	A1
S2	RS2	
S3	RS3	
S4	RS4	
S5	RS5	
S6	RS6	
S7		
S8		

■ **PROFILE / DIFFUSER** PAGE 07

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

■ **PROFILE COLOUR** [2] 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

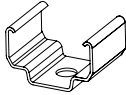| 100	100mm
250	250mm
500	500mm
1000	1,000mm

■ **IP RATING** PAGE 08

| IP40	Indoor Use

[1] Other CCT subject to availability.

[2] Profile colour applicable to P17 and PR17 only. Custom colours available on request.

▪ ACCESSORIES

	PRODUCT CODE	DESCRIPTION
MOUNTING CLIP [1]		
	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

[1] 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.

	PRODUCT CODE	DESCRIPTION
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

	PRODUCT CODE	DESCRIPTION
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

	PRODUCT CODE	DESCRIPTION
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
	CBLEXT-STR-WR4.1-IP40-3M	3m Cable Extension for Strips 2x Red, 2x Black, 1x White, 0.75mm^2 wires
	CBLEXT-STR-WR4.1-IP40-5M	5m Cable Extension for Strips 2x Red, 2x Black, 1x White, 0.75mm^2 wires
	CBLEXT-STR-OC4.1-IP65-3M	3m Connector Extension for Strips 2x Red, 2x Black, 1x White, 0.75mm^2 wires
	CBLEXT-STR-OC4.1-IP65-5M	5m Connector Extension for Strips 2x Red, 2x Black, 1x White, 0.75mm^2 wires

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