



PRIMO X2

LED STRIP STR-PRIMO X2





The Primo X2 LED Strip utilizes the latest and most efficient LEDs available today and is offered in a broad range of colour temperatures and colours.

Each segment (480mm) features 24 micro High Power LEDs and is perfect for many commercial lighting applications where versatile lengths (120mm sub-segments) options are required. The Primo X2 features inbuilt dimming and thermal management.

POWER

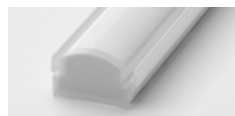
LUMINOUS FLUX

21W

21.6W / metre



SD • 1400 lm / metre



LD • 1590 lm / metre



RD • 1570 lm / metre



P17D • 1330 lm / metre

COLOUR TEMPERATURE

2700K

3000K

4000K

5000K

HIGH PERFORMANCE

ECONOMICAL

The Primo X2 is designed to provide the highest lumen output for budget applications. It offers a reasonably high lumen package for low budget applications.

VERSATILE LENGTH OPTIONS

Versatile length options allow the user to achieve much more accurate and adaptable lengths. The Primo X2 is able to achieve any desired length within a 120mm increment.



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 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.



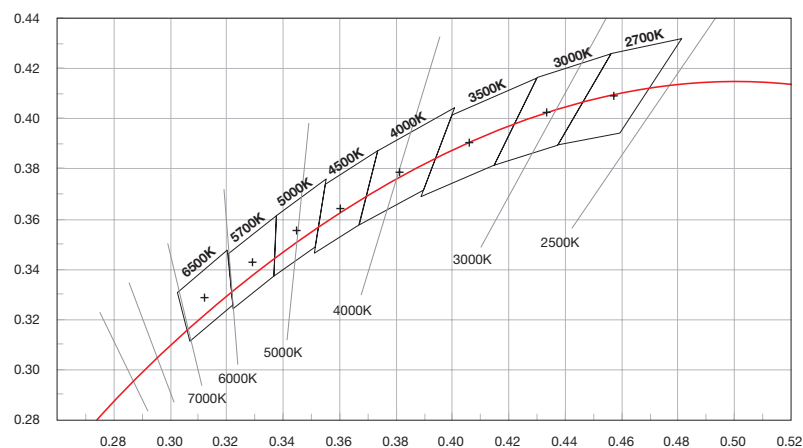
PROUDLY MADE IN AUSTRALIA

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

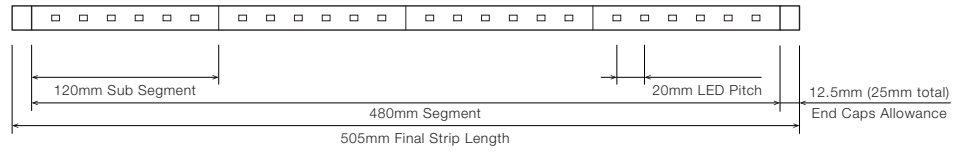
Product Code	STR-PRIMO X2
Description	Primo X2 High Power LED Strip
Segment Length (S)	480mm
Sub-Segment Length (A)	120mm
Number of Sub-Segments	4
Segment Width	10.50mm
LED Pitch	20.00mm
LEDs Per Segment	24
LEDs Per Sub Segment	6
Operating Voltage	24VDC
Typical Power Consumption per Segment	10.35W per 480mm Segment
Typical Power Consumption per Metre	21.6W per metre
Typical Current	431mA per 480 mm Segment
Colour Rendering Index (CRI)	80+
Dimmable	With DALI / PWM Logic
Effective Beam Angle	110°
External Heatsink Required	No
Ambient Operating Temp	Ta -40°C to 50°C
Thermal Operating	Yes (Active)
Average Lumen Maintenance @Ta 25°C	70% @ 50,000 Hours
IP Rating	IP40 (Standard), up to IP68 (Modified)
Max Continuous Connection Length	Please refer to installation limitations

COLOUR BINNING



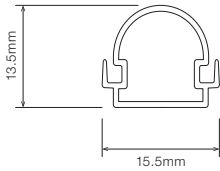
■ DIMENSIONS

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

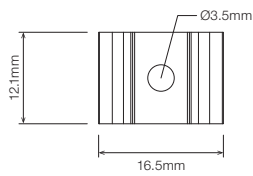
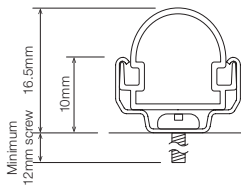


STANDARD PROFILE

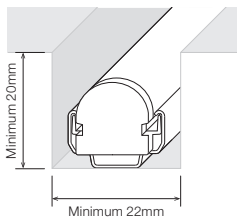
Available in Clear and Diffused



WITH MOUNTING CLIP

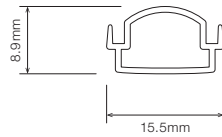


RECOMMENDED REBATE

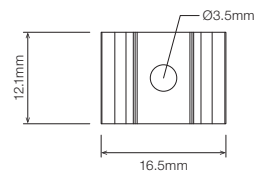
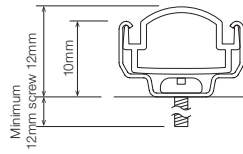


LOW PROFILE

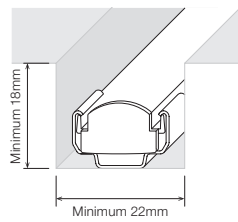
Available in Clear and Diffused



WITH MOUNTING CLIP

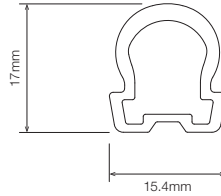


RECOMMENDED REBATE

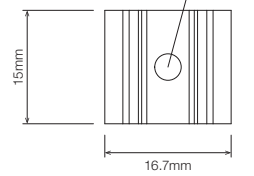
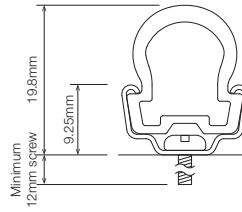


REINFORCED PROFILE

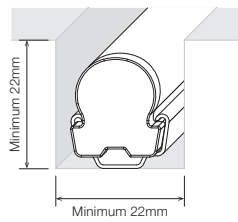
Available in Diffused



WITH MOUNTING CLIP

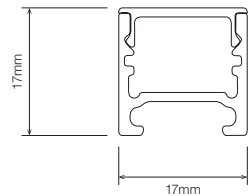


RECOMMENDED REBATE

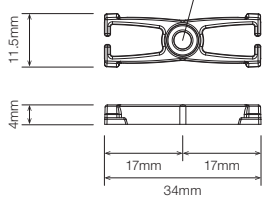
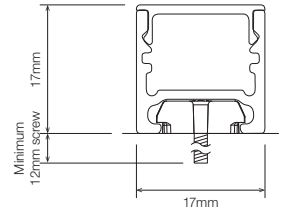


P17 PROFILE

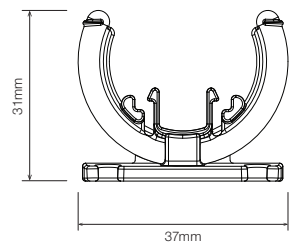
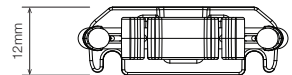
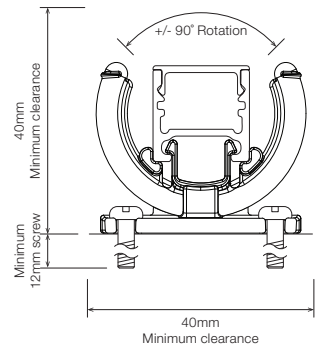
Available in Clear and Diffused)



WITH MOUNTING X-CLIP



WITH ROTATING CLIP



PRODUCT LENGTH

FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
0	1	120mm	add 25mm	145mm
0	2	240mm	add 25mm	265mm
0	3	360mm	add 25mm	385mm
1	0	480mm	add 25mm	505mm
1	1	600mm	add 25mm	625mm
1	2	720mm	add 25mm	745mm
1	3	840mm	add 25mm	865mm
2	0	960mm	add 25mm	985mm
2	1	1,080mm	add 25mm	1,105mm
2	2	1,200mm	add 25mm	1,225mm
2	3	1,320mm	add 25mm	1,345mm
3	0	1,440mm	add 25mm	1,465mm
3	1	1,560mm	add 25mm	1,585mm
3	2	1,680mm	add 25mm	1,705mm
3	3	1,800mm	add 25mm	1,825mm
4	0	1,920mm	add 25mm	1,945mm
4	1	2,040mm	add 25mm	2,065mm
4	2	2,160mm	add 25mm	2,185mm
4	3	2,280mm	add 25mm	2,305mm
5	0	2,400mm	add 25mm	2,425mm
5	1	2,520mm	add 25mm	2,545mm
5	2	2,640mm	add 25mm	2,665mm
5	3	2,760mm	add 25mm	2,785mm
6	0	2,880mm	add 25mm	2,905mm
6	1	3,000mm	add 25mm	3,025mm
6	2	3,120mm	add 25mm	3,145mm
6	3	3,240mm	add 25mm	3,265mm
7	0	3,360mm	add 25mm	3,385mm
7	1	3,480mm	add 25mm	3,505mm

Confirm Interstate Courier Compliance

Custom Length subject to availability

⚠ WARNING

Do not bend LED strip when removing from mounting clips.

Gently twist LED Strip to remove from mounting clips.

⚠ WARNING

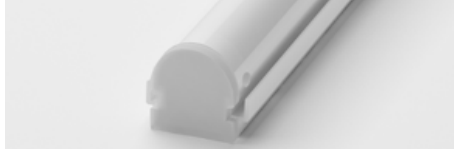
PLEASE HANDLE LONG LED STRIPS WITH CARE.

LED Strips must not be bent.

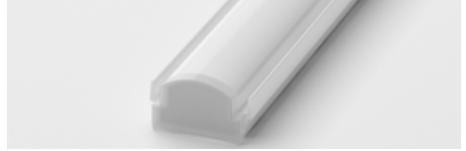
When handling LED Strips, please ensure that they are kept straight.

PROFILE / DIFFUSER

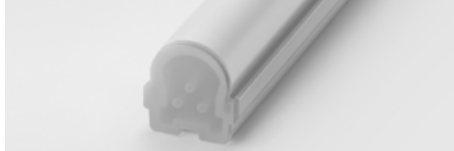
SD - Standard Profile Diffused



LD - Low Profile Diffused



RD - Reinforced Profile Diffused



P17D - P17 Profile Diffused



P17T - P17 Profile Diffused (IP65 Outdoor)



PROFILE COLOUR

Profile colour applicable to P17 only.

BLK - Black (Standard)



WHT - White



CST - Custom Colour *



* Custom colours available on request.

WIRING CONFIGURATION

CONNECTOR TYPE	DRAWING	FEMALE	MALE
WR2.1OS Wire 2+1 Core One Side			
WR2.1BS Wire 2+1 Core Both Sides			
WR4.1OS Wire 4+1 Core One Side			
WR4.1BS Wire 4+1 Core Both Sides			
OC2.1MO Outdoor Connector 2+1 pin Male Only			
OC2.1FO Outdoor Connector 2+1 pin Female Only			
OC2.1MF Outdoor Connector 2+1 pin Male + Female			
OC4.1MO Outdoor Connector 4+1 pin Male Only			
OC4.1FO Outdoor Connector 4+1 pin Female Only			
OC4.1MF Outdoor Connector 4+1 pin Male + Female			
SMP LC.1 Sample Type Connector 2.5mm			

- Typical Loom Length 100 – 250mm.
- For detailed information on Outdoor IP67 connector please contact Coolon.
- Extension cables between LED fittings and driver or PSU is based on: LED load, outdoor or indoor applications. Please consult Coolon for details.

WIRING COLOUR CODE	
Red	+ VDC
Black	GND
White	Dimming

IP RATING

IP40

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

- SD Profile
- LD Profile
- RD Profile
- P17D Profile

IP65

Fully protected against dust. Protected against water jets from all directions

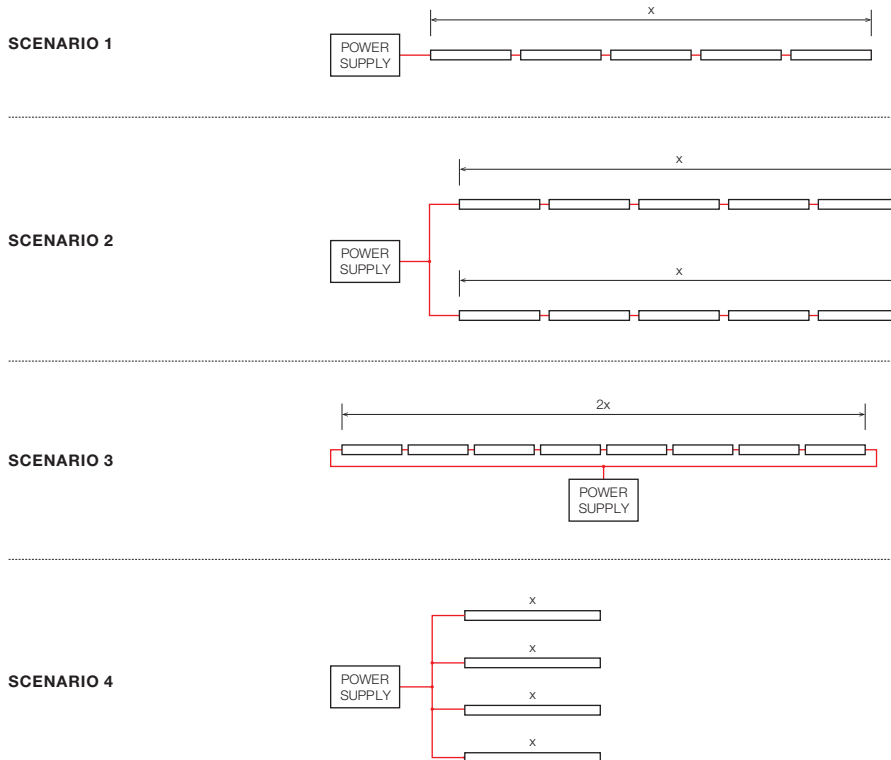
- SD Profile
- LD Profile
- RD Profile
- P17T Profile

IP68

Fully protected against dust. Protected against the effects of prolonged immersion under water.

- SD Profile
- LD Profile
- RD Profile

■ INSTALLATION LIMITS



MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
6,500 mm	With standard 2+1 core (WR2.1OS / WR2.1BS)
7,700 mm	With upgraded 4+1 core (WR4.1OS / WR4.1BS)
2,600 mm	With upgraded outdoor 2+1 pin connectors (OC2.1MO / OC2.1FO / OC2.1MF)
4,600 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

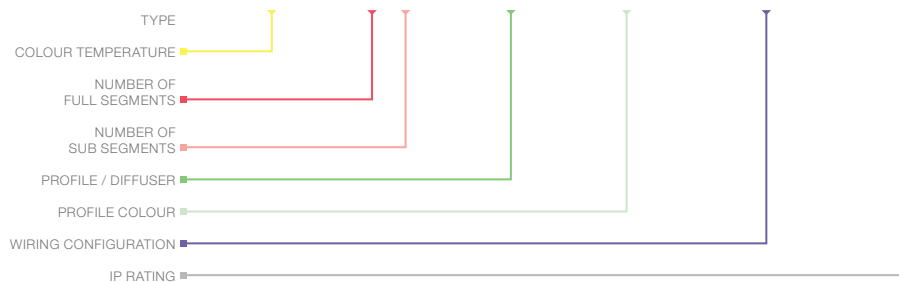
Avoid connecting multiple power supplies into a single circuit, unless they are specifically designed to do so.

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ORDERING EXAMPLE

STR - PRIMO X2 - 3.0K - S2A0 - P17D - BLK - WR2.1BS - IP40



COLOUR TEMPERATURE * PAGE 04

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

PRODUCT LENGTH PAGE 06

FULL SEGMENTS	SUB SEGMENTS
S1	A0
S2	A1
S3	A2
S4	A3
S5	
S6	
S7	

PROFILE / DIFFUSER PAGE 07

SD	Standard Profile Diffused
LD	Low Profile Diffused
RD	Reinforced Profile Diffused
P17D	P17 Profile Diffused
P17T	P17 Profile Diffused (IP65 Outdoor)

PROFILE COLOUR ** 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
WR4.1OS	Wire 4+1 Core One Side
WR4.1BS	Wire 4+1 Core Both Sides
OC2.1MO	Outdoor Connector 2+1 pin Male Only
OC2.1FO	Outdoor Connector 2+1 pin Female Only
OC2.1MF	Outdoor Connector 2+1 pin Male + Female
OC4.1MO	Outdoor Connector 4+1 pin Male Only
OC4.1FO	Outdoor Connector 4+1 pin Female Only
OC4.1MF	Outdoor Connector 4+1 pin Male + Female
SMPLC.1	Sample Type Connector 2.5mm

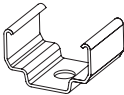

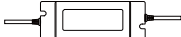

IP RATING PAGE 08

IP40	Indoor Use
IP65	Outdoor Use
IP68	Prolonged Immersion Use

* Other CCT subject to availability.

** Profile colour applicable to P17 only. Custom colours available on request.

■ ACCESSORIES

	PRODUCT CODE	DESCRIPTION
MOUNTING CLIP		
	MC-1513	Stainless Steel Mounting Clips for Standard & Low Profile
	MC-RD	Stainless Steel Mounting Clips for Reinforced Profile
	MC-XCLIP	Flat Mount X-clip
	MC-P17R	Rotating Clip Mount for P17 Profile
CONTROLLER		
	CTR-A2PWM 0-10V	0 – 10V A2PWM Converter
	CTR-DIMMERLOGIC	Rotary Wall-Mount LED Controller
	CTR-DALILOGIC	DALI to 1 Channel PWM Brightness Controller
	CTR-DALILOGIC-IP	DALI to 1 Channel PWM Brightness Outdoor Controller
POWER SUPPLY FOR INDOOR USE		
	PWR-PLN20-24V	Mean Well Power Supply PLN 20W 24V IP64 + Flex & Plug
	PWR-PLN30-24V	Mean Well Power Supply PLN 30W 24V IP64 + Flex & Plug
	PWR-PLN60-24V	Mean Well Power Supply PLN 60W 24V IP64 + Flex & Plug
	PWR-PLN100-24V	Mean Well Power Supply PLN 100W 24V IP64 + Flex & Plug
POWER SUPPLY FOR OUTDOOR USE (IP67)		
	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	