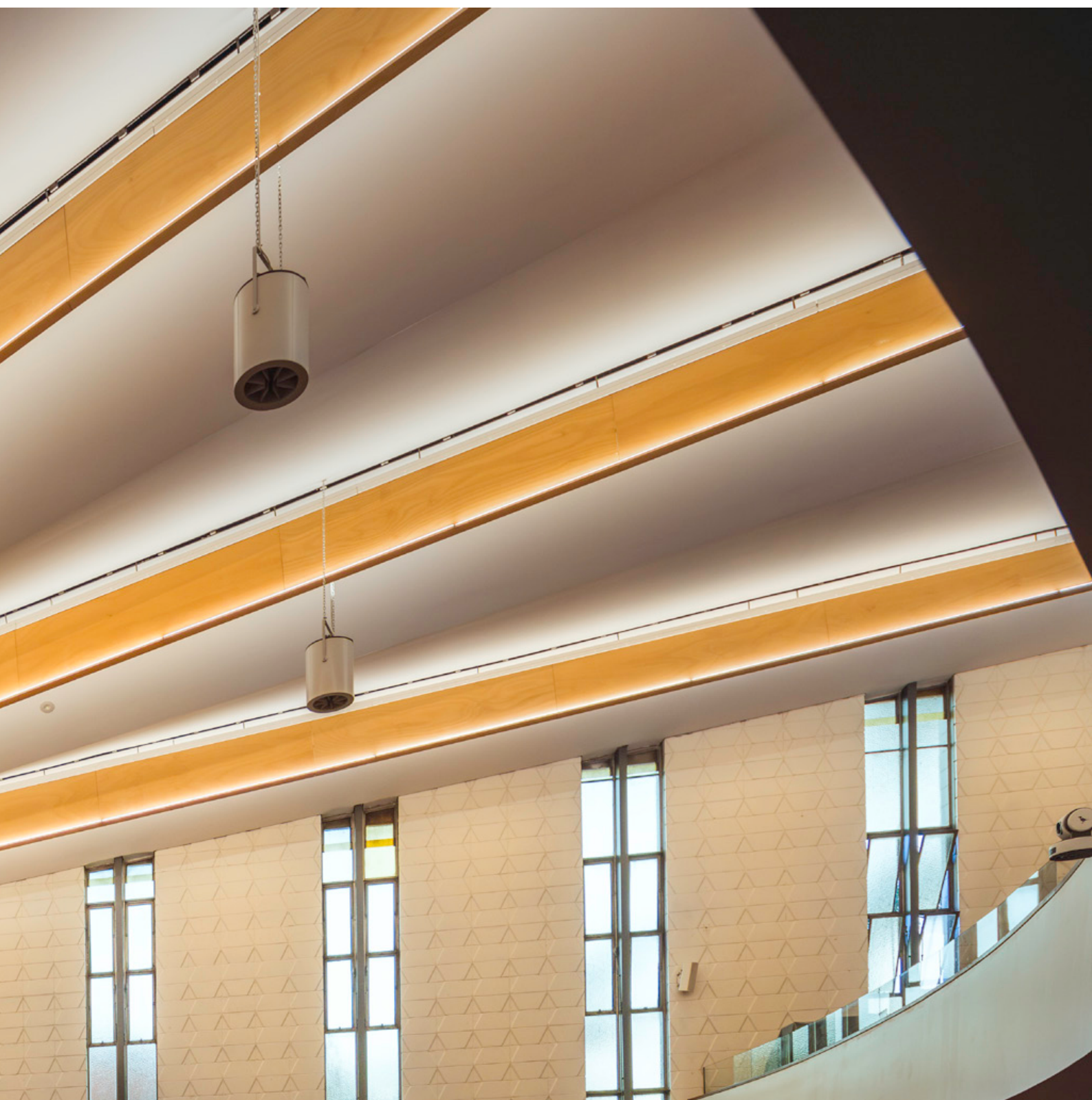


MAYA P16

LOW POWER LED STRIP STR-MAYA P16





Maya P16 is a LED luminaire perfected for projects that prioritise high-quality illumination, design versatility, and ease of use. With a high CRI dot-free glow, a broad selection of CCTs, and length options divisible every 37.5mm, Maya P16 delivers exceptional visual comfort while offering extensive customisation options.

Maya P16 features uniform glow diffusers that eliminate visible LED hotspots and scalloping, ensuring a smooth, uninterrupted light distribution. It's unique profile shape produces a wide angle beam that is ideal for cove lighting applications.

POWER

LUMINOUS FLUX

10W

9.3W / metre



RD • 536 – 875 lm / metre

20W

18.3W / metre



RD • 996 – 1,625 lm / metre

COLOUR TEMPERATURE

1800K

2200K

2700K

3000K

3500K

4000K

6500K

CONTROL OPTIONS



PERFECTED PERFORMANCE

HIGH-QUALITY ILLUMINATION, DESIGN VERSATILITY, AND EASE OF USE

Maya P16 is a versatile LED luminaire designed for high-quality illumination, flexibility, and ease of use. With a high CRI, a seamless, dot-free glow, and ample variety of colours and it delivers exceptional visual comfort while ensuring design freedom. Ideal for projects that prioritise aesthetics and adaptability.

HIGHLY VERSATILE LENGTH OPTIONS

Highly versatile length options allow the user to achieve accurate and adaptable lengths. Maya P16 can achieve any desired length in 37.5mm 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 use state-of-the-art heat dissipation methods, leading to durable electronics.



HIGH-QUALITY COLOUR RENDERING & CONSISTENCY

Offered in CRI 90+ for astonishing colour rendering. Tight binning ensures excellent product 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.

■ TECHNICAL SPECIFICATIONS

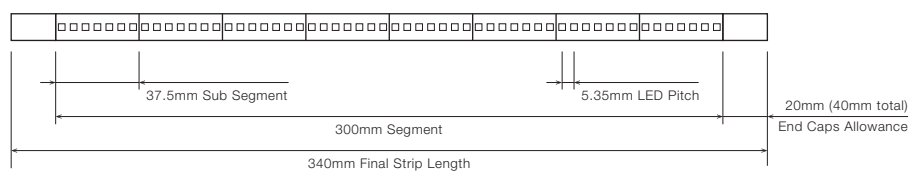
	10W VERSION	20W VERSION
Part Number	STR-MAYA P16	
Description	Maya P16 Low Power LED Strip	
Segment Length (S)	300mm	
Sub-Segment Length (A)	37.5mm	
Number of Sub-Segments	8	
LED Pitch	5.35mm	
LEDs Per Segment (S)	56	
LEDs Per Sub Segment (A)	7	
Operating Voltage	24VDC (Requires Class II / SELV compliant power supply)	
Typical Power Consumption per Segment (S)	2.79W	5.49W
Typical Power Consumption per Metre	9.3W/Metre	18.3W/Metre
Light Quality	3-step MacAdam Ellipse, CRI >90, Rf: 93, Rg: 99	
Electrical Safety Classification	Class III (SELV)	
Dimmable	See driver options on last page	
Effective Beam Angle (FWHM)	RD: 210°	
External Heatsink Required	No	
Ambient Operating Temperature	Ta -10°C to 40°C	
Lumen Maintenance TM21	L90 / B50 (12K) > 72,000 hours	
IP Rating	IP40 (Standard)	
Max Continuous Connection Length	Please refer to installation limitations	

■ POWER & LUMEN OUTPUT

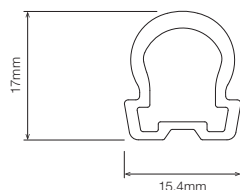
	LUMINOUS FLUX (lm / m)					
POWER	1800K	2700K	3000K	3500K	4000K	6500K
10W 9.3W / m	536	747	800	851	860	875
POWER	1800K	2700K	3000K	3500K	4000K	6500K
20W 18.3W / m	996	1,387	1,486	1,580	1,598	1,625

DIMENSIONS

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



REINFORCED PROFILE



AVAILABLE IN

Diffused



MOUNTING OPTIONS

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



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

■ PRODUCT LENGTH

CABLE FROM ONE SIDE

FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
S0	A1	37.5mm	add 25mm	62.5mm
S0	A2	75mm	add 25mm	100mm
S0	A3	112.5mm	add 25mm	137.5mm
S0	A4	150mm	add 25mm	175mm
S0	A5	187.5mm	add 25mm	212.5mm
S0	A6	225mm	add 25mm	250mm
S0	A7	262.5mm	add 25mm	287.5mm
S1	A0	300mm	add 25mm	325mm
S1	A1	337.5mm	add 25mm	362.5mm
S1	A2	375mm	add 25mm	400mm
S1	A3	412.5mm	add 25mm	437.5mm
S1	A4	450mm	add 25mm	475mm
S1	A5	487.5mm	add 25mm	512.5mm
S1	A6	525mm	add 25mm	550mm
S1	A7	562.5mm	add 25mm	587.5mm
S2	A0	600mm	add 25mm	625mm
S2	A1	637.5mm	add 25mm	662.5mm
S2	A2	675mm	add 25mm	700mm
S2	A3	712.5mm	add 25mm	737.5mm
S2	A4	750mm	add 25mm	775mm
S2	A5	787.5mm	add 25mm	812.5mm
S2	A6	825mm	add 25mm	850mm
S2	A7	862.5mm	add 25mm	887.5mm
S3	A0	900mm	add 25mm	925mm
S3	A1	937.5mm	add 25mm	962.5mm
S3	A2	975mm	add 25mm	1,000mm
S3	A3	1,012.5mm	add 25mm	1,037.5mm
S3	A4	1,050mm	add 25mm	1,075mm
S3	A5	1,087.5mm	add 25mm	1,112.5mm
S3	A6	1,125mm	add 25mm	1,150mm
S3	A7	1,162.5mm	add 25mm	1,187.5mm
S4	A0	1,200mm	add 25mm	1,225mm
S4	A1	1,237.5mm	add 25mm	1,262.5mm
S4	A2	1,275mm	add 25mm	1,300mm
S4	A3	1,312.5mm	add 25mm	1,337.5mm
S4	A4	1,350mm	add 25mm	1,375mm
S4	A5	1,387.5mm	add 25mm	1,412.5mm
S4	A6	1,425mm	add 25mm	1,450mm
S4	A7	1,462.5mm	add 25mm	1,487.5mm
S5	A0	1,500mm	add 25mm	1,525mm

➤ Continued on next page

⚠ WARNING

Do not bend LED strip when removing from mounting clips.

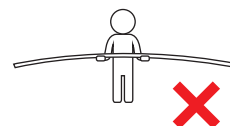
Gently twist LED Strip to remove from mounting clips.



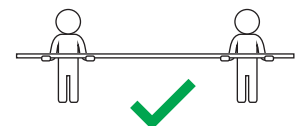
⚠ WARNING

PLEASE HANDLE LONG LED STRIPS WITH CARE.

LED Strips must not be bent.



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



■ PRODUCT LENGTH

(CONTINUED)

CABLE FROM ONE SIDE

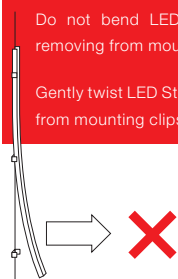
FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
S5	A1	1,537.5mm	add 25mm	1,562.5mm
S5	A2	1,575mm	add 25mm	1,600mm
S5	A3	1,612.5mm	add 25mm	1,637.5mm
S5	A4	1,650mm	add 25mm	1,675mm
S5	A5	1,687.5mm	add 25mm	1,712.5mm
S5	A6	1,725mm	add 25mm	1,750mm
S5	A7	1,762.5mm	add 25mm	1,787.5mm
S6	A0	1,800mm	add 25mm	1,825mm
S6	A1	1,837.5mm	add 25mm	1,862.5mm
S6	A2	1,875mm	add 25mm	1,900mm
S6	A3	1,912.5mm	add 25mm	1,937.5mm
S6	A4	1,950mm	add 25mm	1,975mm
S6	A5	1,987.5mm	add 25mm	2,012.5mm
S6	A6	2,025mm	add 25mm	2,050mm
S6	A7	2,062.5mm	add 25mm	2,087.5mm
S7	A0	2,100mm	add 25mm	2,125mm
S7	A1	2,137.5mm	add 25mm	2,162.5mm
S7	A2	2,175mm	add 25mm	2,200mm
S7	A3	2,212.5mm	add 25mm	2,237.5mm
S7	A4	2,250mm	add 25mm	2,275mm
S7	A5	2,287.5mm	add 25mm	2,312.5mm
S7	A6	2,325mm	add 25mm	2,350mm
S7	A7	2,362.5mm	add 25mm	2,387.5mm
S8	A0	2,400mm	add 25mm	2,425mm
S8	A1	2,437.5mm	add 25mm	2,462.5mm

■ Custom length subject to availability

⚠ WARNING

Do not bend LED strip when removing from mounting clips.

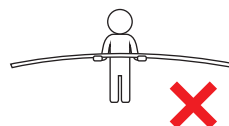
Gently twist LED Strip to remove from mounting clips.



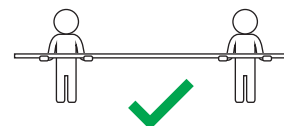
⚠ WARNING

PLEASE HANDLE LONG LED STRIPS WITH CARE.

LED Strips must not be bent.



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



■ PRODUCT LENGTH

CABLE FROM BOTH SIDES

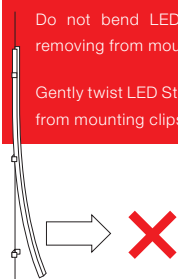
FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
S0	A1	37.5mm	add 40mm	77.5mm
S0	A2	75mm	add 40mm	115mm
S0	A3	112.5mm	add 40mm	152.5mm
S0	A4	150mm	add 40mm	190mm
S0	A5	187.5mm	add 40mm	227.5mm
S0	A6	225mm	add 40mm	265mm
S0	A7	262.5mm	add 40mm	302.5mm
S1	A0	300mm	add 40mm	340mm
S1	A1	337.5mm	add 40mm	377.5mm
S1	A2	375mm	add 40mm	415mm
S1	A3	412.5mm	add 40mm	452.5mm
S1	A4	450mm	add 40mm	490mm
S1	A5	487.5mm	add 40mm	527.5mm
S1	A6	525mm	add 40mm	565mm
S1	A7	562.5mm	add 40mm	602.5mm
S2	A0	600mm	add 40mm	640mm
S2	A1	637.5mm	add 40mm	677.5mm
S2	A2	675mm	add 40mm	715mm
S2	A3	712.5mm	add 40mm	752.5mm
S2	A4	750mm	add 40mm	790mm
S2	A5	787.5mm	add 40mm	827.5mm
S2	A6	825mm	add 40mm	865mm
S2	A7	862.5mm	add 40mm	902.5mm
S3	A0	900mm	add 40mm	940mm
S3	A1	937.5mm	add 40mm	977.5mm
S3	A2	975mm	add 40mm	1,015mm
S3	A3	1,012.5mm	add 40mm	1,052.5mm
S3	A4	1,050mm	add 40mm	1,090mm
S3	A5	1,087.5mm	add 40mm	1,127.5mm
S3	A6	1,125mm	add 40mm	1,165mm
S3	A7	1,162.5mm	add 40mm	1,202.5mm
S4	A0	1,200mm	add 40mm	1,240mm
S4	A1	1,237.5mm	add 40mm	1,277.5mm
S4	A2	1,275mm	add 40mm	1,315mm
S4	A3	1,312.5mm	add 40mm	1,352.5mm
S4	A4	1,350mm	add 40mm	1,390mm
S4	A5	1,387.5mm	add 40mm	1,427.5mm
S4	A6	1,425mm	add 40mm	1,465mm
S4	A7	1,462.5mm	add 40mm	1,502.5mm
S5	A0	1,500mm	add 40mm	1,540mm

➤ Continued on next page

⚠ WARNING

Do not bend LED strip when removing from mounting clips.

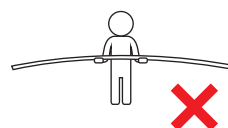
Gently twist LED Strip to remove from mounting clips.



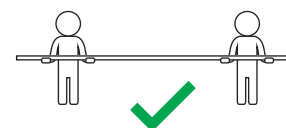
⚠ WARNING

PLEASE HANDLE LONG LED STRIPS WITH CARE.

LED Strips must not be bent.



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



■ PRODUCT LENGTH

(CONTINUED)

CABLE FROM BOTH SIDES

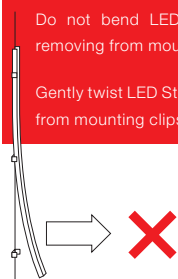
FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
S5	A1	1,537.5mm	add 40mm	1,577.5mm
S5	A2	1,575mm	add 40mm	1,615mm
S5	A3	1,612.5mm	add 40mm	1,652.5mm
S5	A4	1,650mm	add 40mm	1,690mm
S5	A5	1,687.5mm	add 40mm	1,727.5mm
S5	A6	1,725mm	add 40mm	1,765mm
S5	A7	1,762.5mm	add 40mm	1,802.5mm
S6	A0	1,800mm	add 40mm	1,840mm
S6	A1	1,837.5mm	add 40mm	1,877.5mm
S6	A2	1,875mm	add 40mm	1,915mm
S6	A3	1,912.5mm	add 40mm	1,952.5mm
S6	A4	1,950mm	add 40mm	1,990mm
S6	A5	1,987.5mm	add 40mm	2,027.5mm
S6	A6	2,025mm	add 40mm	2,065mm
S6	A7	2,062.5mm	add 40mm	2,102.5mm
S7	A0	2,100mm	add 40mm	2,140mm
S7	A1	2,137.5mm	add 40mm	2,177.5mm
S7	A2	2,175mm	add 40mm	2,215mm
S7	A3	2,212.5mm	add 40mm	2,252.5mm
S7	A4	2,250mm	add 40mm	2,290mm
S7	A5	2,287.5mm	add 40mm	2,327.5mm
S7	A6	2,325mm	add 40mm	2,365mm
S7	A7	2,362.5mm	add 40mm	2,402.5mm
S8	A0	2,400mm	add 40mm	2,440mm
S8	A1	2,437.5mm	add 40mm	2,477.5mm

■ Custom length subject to availability

⚠ WARNING

Do not bend LED strip when removing from mounting clips.

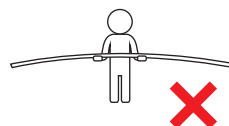
Gently twist LED Strip to remove from mounting clips.



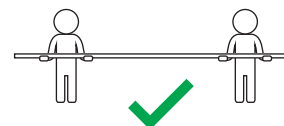
⚠ WARNING

PLEASE HANDLE LONG LED STRIPS WITH CARE.

LED Strips must not be bent.

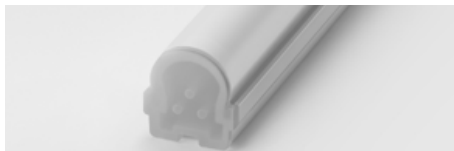


When handling LED Strips, please ensure that they are kept straight.



■ PROFILE / DIFFUSER

RD • Reinforced Profile Diffused



■ WIRING CONFIGURATION

CONNECTOR TYPE	DRAWING	MALE	FEMALE
WR2OS Wire 2 Core One Side			
WR2BS Wire 2 Core Both Sides			
IC2MO Indoor Connector 2pin Male Only			
IC2MF Indoor Connector 2pin Male + Female			
SMPLC Sample Type Connector 2.5mm			

• Please consult Coolon for details on extension cable between LED fittings, drivers and power supplies.

WIRING COLOUR CODE	
Red	+ VDC
Black	GND

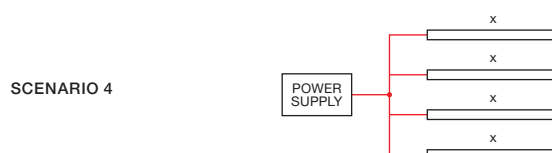
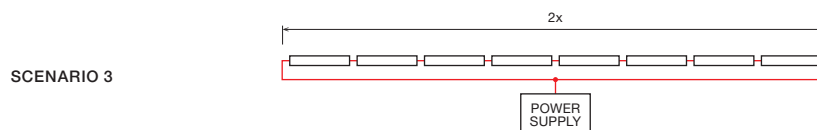
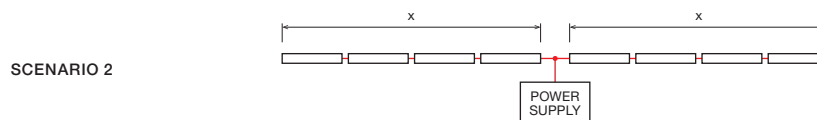
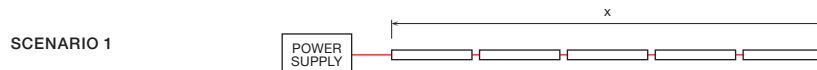
■ IP RATING

IP40

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

¹ Custom colours available on request.

■ INSTALLATION LIMITS



10W VERSION

MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
13,000 mm	With standard 2 core (WR2OS / WR2BS)
11,000 mm	With standard 2 pin connectors (IC2MO / IC2MF)

- Please consult Coolon for details on extension cable between LED fittings, drivers and power supplies.

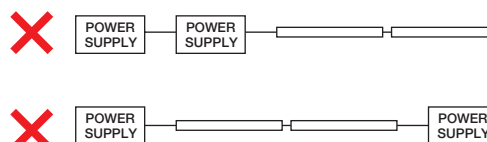
20W VERSION

MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
7,000 mm	With standard 2 core (WR2OS / WR2BS)
5,000 mm	With standard 2 pin connectors (IC2MO / IC2MF)

- Please consult Coolon for details on extension cable between LED fittings, drivers and power supplies.

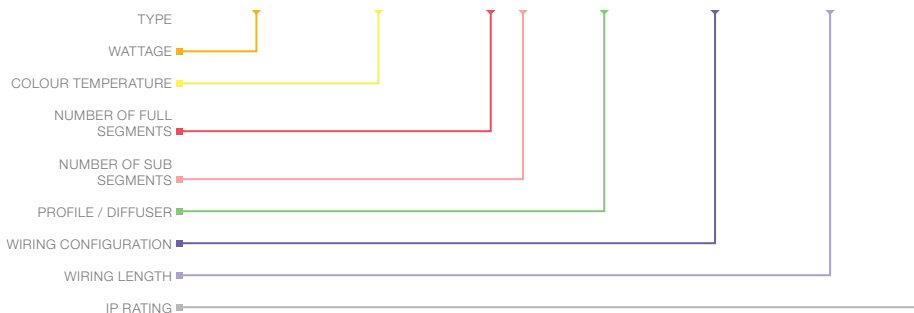
⚠ WARNING

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



ORDERING EXAMPLE

STR - MAYA P16 - 20W - 3.0KCRI - S2A0 - RD - WR2BS - 100 - IP40



■ WATTAGE

10W	9.3W per Metre
20W	18.3W per Metre

■ COLOUR TEMPERATURE ¹

1.8KCRI	1800K CRI 90
2.2KCRI	2200K CRI 90
2.7KCRI	2700K CRI 90
3.0KCRI	3000K CRI 90
3.5KCRI	3500K CRI 90
4.0KCRI	4000K CRI 90
6.5KCRI	6500K CRI 90

■ PRODUCT LENGTH

FULL SEGMENTS	SUB SEGMENTS
S0	A0
S1	A1
S2	A2
S3	A3
S4	A4
S5	A5
S6	A6
S7	A7
S8	
S9	

■ PROFILE / DIFFUSER

RD	Reinforced Profile Diffused
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■ WIRING CONFIGURATION

WR2OS	Wire 2 Core One Side
WR2BS	Wire 2 Core Both Sides
IC2MO	Indoor Connector 2 pin Male Only
IC2MF	Indoor Connector 2 pin Male + Female
SMPLC	Sample Type Connector 2.5mm

■ WIRING LENGTH

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

■ IP RATING

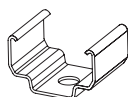
IP40	Indoor Use
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¹ Other CCT subject to availability.

■ ACCESSORIES

	PRODUCT CODE	DESCRIPTION
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MOUNTING CLIP ¹



MC-STR-RD

Stainless Steel Mounting Clips for Reinforced Profile

¹ Recommended spacing between MC-STR-RD Mounting Clips is 500mm maximum.

CONTROLLER



DRV-DALIPOINT-1X5A	Coolon DALI 5 Amps 1 Channel LED Driver
DRV-DALIPOINT CV NEO	Coolon Outdoor DALI to 10 Amps 1 Channel LED Driver
DRV-OTI DALI 160/220-240/24 1CH G3	Inventronics Outdoor DALI 160W 24V 1 Channel LED PSU + Integrated Driver ²
DRV-IT D0P 350/100-277/24V/2C P67 G	Inventronics Outdoor DALI 350W 24V 2 Channel LED PSU + Integrated Driver ²
DRV-OTI DALI 210/220-240/24_4CH_DT6/8_P	Inventronics Outdoor DALI 210W 24V 4 Channel LED PSU + Integrated Driver ²
DRV-IT-D0P-480W_12-48V_4CH_DALI-2	Inventronics DALI-2 10 Amps 4 Channel LED Driver
DRV-RDM-P4	Coolon DMX / RDM 4 Channel LED Driver
DRV-RDM CV NEO	Coolon Outdoor DMX / RDM 4 Channel LED Driver
CAS-CBU-PWM4	Casambi Bluetooth Controllable 4 Channel LED Driver
DRV-LC-150W-24VDC-BDW-SC-PRE2	Tridonic Casambi Bluetooth 150W 24V 1 Channel LED PSU + Integrated Driver ³
DRV-OT FIT 150/220-240/24 PC	Inventronics Phase Dimmable 150W 24V 1 Channel LED PSU + Integrated Driver ²
DRV-DIMMERPOINT-1X10A	Coolon Rotary Wall-Mount LED Driver

² Various wattages available.

³ Can substitute with an Inventronics alternative.

POWER SUPPLY



PWR-HLG-60H-24AU	Mean Well Power Supply HLG 60W 24V
PWR-HLG-150H-24AU	Mean Well Power Supply HLG 150W 24V
PWR-HLG-240H-24AU	Mean Well Power Supply HLG 240W 24V
PWR-HLG-320H-24AU	Mean Well Power Supply HLG 320W 24V

CABLE EXTENSIONS



CBL-STR-WR2-DC-JL-IP40-3M	3m Cable Extension for Strips 1x Red, 1x Black, 0.75mm ² wires
CBL-STR-WR2-DC-JL-IP40-5M	5m Cable Extension for Strips 1x Red, 1x Black, 0.75mm ² wires
CBL-STR-IC2FO-DC-L-IP65-0.1M	0.1m Connector Extension for Strips 1x Red, 1x Black, 0.75mm ² wires
CBL-STR-IC2FO-DC-L-IP65-0.25M	0.25m Connector Extension for Strips 1x Red, 1x Black, 0.75mm ² wires
CBL-STR-IC2FO-DC-L-IP65-0.5M	0.5m Connector Extension for Strips 1x Red, 1x Black, 0.75mm ² wires

■ PHOTOGRAPHY

	LOCATION		LIGHTING PARTNER
Cover Photo	Our Lady of the Rosary Church, Sydney, NSW		Jadecross
	ARCHITECTS	CONSULTANT	PHOTOGRAPHY
	Nimbus Architecture and Heritage	Webb Australia Group	Jackie Chan