



MAYA P45

MEDIUM POWER LED STRIP STR-MAYA P45





Maya P45 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 P45 delivers exceptional visual comfort while offering extensive customisation options.

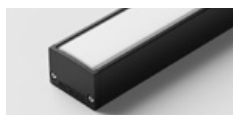
Maya P45 features a medium power output to support applications where impressive light projection is a requirement. It's compact, elegant form and variety of colour finishes allows it to blend into architectural features or stand out as a deliberate signature.

POWER

LUMINOUS FLUX

20W

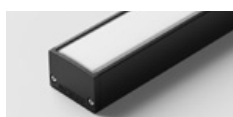
19.7W / metre



SD • 721 – 1,507 lm / metre

36W

35.7W / metre



SD • 1,344 – 2,808 lm / metre

COLOUR TEMPERATURE



CONTROL OPTIONS



ENGINEERED TO LAST

Maya P45 has been engineered for maximum durability and longevity. Manufactured using the highest quality materials and the latest technology, Maya P45 offers outstanding performance and reliability.

UNIFORM GLOW

Maya P45 is offered in various configurations, and uniform glow, a completely uniform diffuser with no visible scalloping on the diffuser or the illuminated surface.



L90

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.



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

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

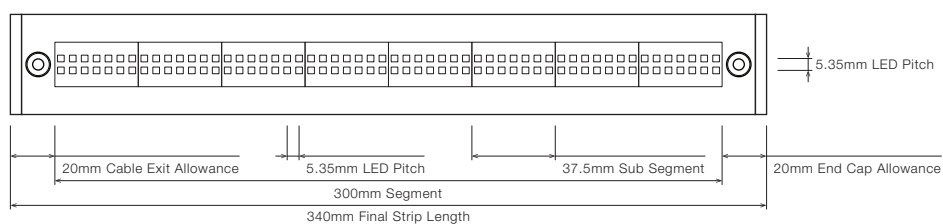
	20W VERSION	36W VERSION
Product Code	STR-MAYA P45	
Description	Maya P45 Medium Power Strip	
Body	Aluminium Alloy Body	
Finish	Powder Coated Black (Standard), Various Colours Available	
Cover	Polycarbonate Diffused for Indoor Applications	
End Caps	Polycarbonate	
Segment Length (S)	300mm	
Sub-Segment Length (A)	37.5mm	
Number of Sub-Segments	8	
Segment Width	23mm	
LED Pitch	5.35mm (W) x 5.35mm (H)	
LEDs Per Segment (S)	112	
LEDs Per Sub Segment (A)	14	
Operating Voltage	24VDC	
Typical Power Consumption per Segment (S)	5.79W per 300mm Segment	10.71W per 300mm Segment
Typical Power Consumption per Metre	19.3W per Metre	35.7W per Metre
Light Quality	3-step MacAdam Ellipse, CRI>90, Rf: 93, Rg: 99	
Dimmable	See driver options on last page	
External Heatsink Required	No	
Ambient Operating Temp	Ta -10°C to 40°C	
Thermal Operating	Yes (Active)	
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

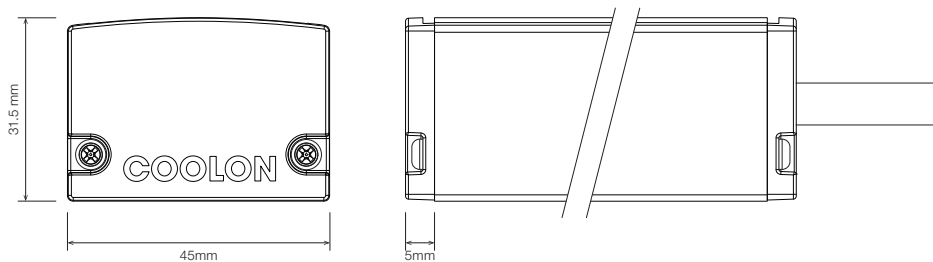
		LUMINOUS FLUX (lm / m)					
POWER	FINISH	1800K	2700K	3000K	3500K	4000K	6500K
20W 19.7W / m	WHT	923	1,286	1,378	1,465	1,482	1,507
	BLK	721	1,005	1,077	1,144	1,157	1,177
POWER	FINISH	1800K	2700K	3000K	3500K	4000K	6500K
36W 35.7W / m	WHT	1,721	2,397	2,569	2,730	2,761	2,808
	BLK	1,344	1,872	2,007	2,133	2,157	2,194

DIMENSIONS

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

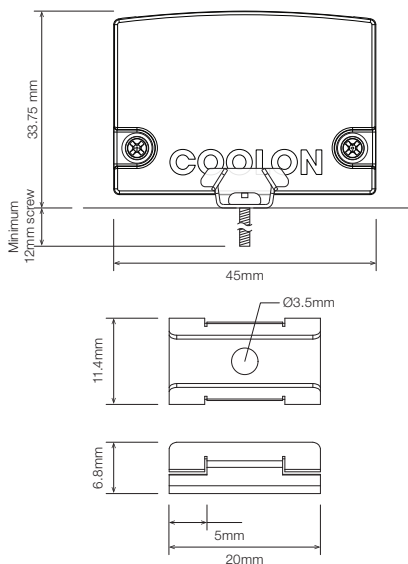


STANDARD PROFILE



STAINLESS STEEL C-CLIP

Clips are required for every 300mm length of luminaire.



■ PRODUCT LENGTH

CABLE FROM ONE SIDE

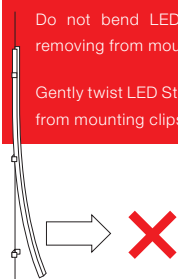
FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
S0	A1	37.5mm	add 25mm	62.5mm
S0	A2	75mm	add 25mm	100mm
S0	A3	112.5mm	add 25mm	137.5mm
S0	A4	150mm	add 25mm	175mm
S0	A5	187.5mm	add 25mm	212.5mm
S0	A6	225mm	add 25mm	250mm
S0	A7	262.5mm	add 25mm	287.5mm
S1	A0	300mm	add 25mm	325mm
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.

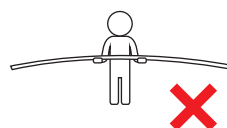
Gently twist LED Strip to remove from mounting clips.



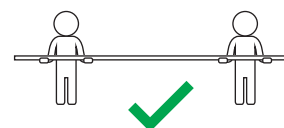
⚠ WARNING

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
S8	A2	2,475mm	add 25mm	2,500mm
S8	A3	2,512.5mm	add 25mm	2,537.5mm
S8	A4	2,550mm	add 25mm	2,575mm
S8	A5	2,587.5mm	add 25mm	2,612.5mm
S8	A6	2,625mm	add 25mm	2,650mm
S8	A7	2,662.5mm	add 25mm	2,687.5mm
S9	A0	2,700mm	add 25mm	2,725mm
S9	A1	2,737.5mm	add 25mm	2,762.5mm
S9	A2	2,775mm	add 25mm	2,800mm
S9	A3	2,812.5mm	add 25mm	2,837.5mm
S9	A4	2,850mm	add 25mm	2,875mm
S9	A5	2,887.5mm	add 25mm	2,912.5mm
S9	A6	2,925mm	add 25mm	2,950mm
S9	A7	2,962.5mm	add 25mm	2,987.5mm

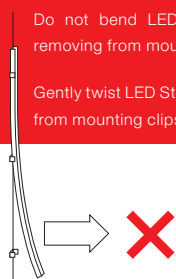
■ Confirm interstate courier compliance

■ Custom length subject to availability

⚠ WARNING

Do not bend LED strip when removing from mounting clips.

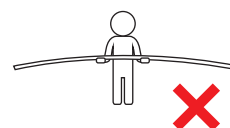
Gently twist LED Strip to remove from mounting clips.



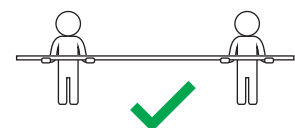
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■ PRODUCT LENGTH

CABLE FROM BOTH SIDES

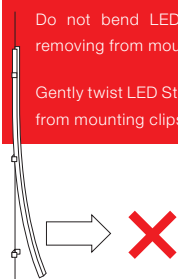
FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
S0	A1	37.5mm	add 40mm	77.5mm
S0	A2	75mm	add 40mm	115mm
S0	A3	112.5mm	add 40mm	152.5mm
S0	A4	150mm	add 40mm	190mm
S0	A5	187.5mm	add 40mm	227.5mm
S0	A6	225mm	add 40mm	265mm
S0	A7	262.5mm	add 40mm	302.5mm
S1	A0	300mm	add 40mm	340mm
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

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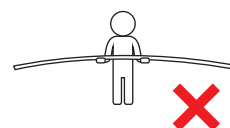
Gently twist LED Strip to remove from mounting clips.



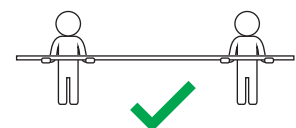
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PRODUCT LENGTH

(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
S8	A2	2,475mm	add 40mm	2,515mm
S8	A3	2,512.5mm	add 40mm	2,552.5mm
S8	A4	2,550mm	add 40mm	2,590mm
S8	A5	2,587.5mm	add 40mm	2,627.5mm
S8	A6	2,625mm	add 40mm	2,665mm
S8	A7	2,662.5mm	add 40mm	2,702.5mm
S9	A0	2,700mm	add 40mm	2,740mm
S9	A1	2,737.5mm	add 40mm	2,777.5mm
S9	A2	2,775mm	add 40mm	2,815mm
S9	A3	2,812.5mm	add 40mm	2,852.5mm
S9	A4	2,850mm	add 40mm	2,890mm
S9	A5	2,887.5mm	add 40mm	2,927.5mm
S9	A6	2,925mm	add 40mm	2,965mm
S9	A7	2,962.5mm	add 40mm	3,002.5mm

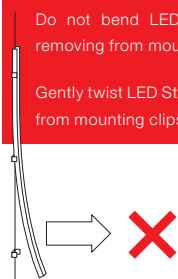
Confirm interstate courier compliance

Custom length subject to availability

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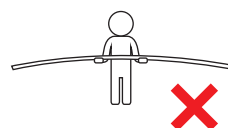
Gently twist LED Strip to remove from mounting clips.



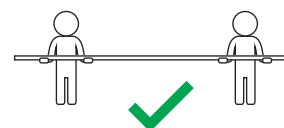
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■ DIFFUSER

SD • Standard Diffused

■ PROFILE COLOUR

BLK • Black (Standard)**WHT** • White**GRY** • Grey**CST** • Custom Colour ¹

¹ Custom colours available on request

■ WIRING CONFIGURATION

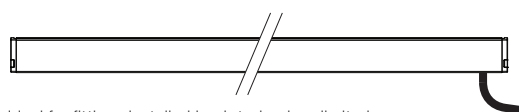
CONNECTOR TYPE	DRAWING	MALE	FEMALE
WR2OS Wire 2 Core One Side			
WR2BS Wire 2 Core Both Sides			
IC4MO Indoor Connector 4pin Male Only			
IC4MF Indoor Connector 4pin Male + Female			
SMPLC Sample Type Connector 2.5mm			

- Typical wiring length 1,000mm.
- Please consult Coolon for details on extension cable between LED fittings, drivers and power supplies.

WIRING COLOUR CODE	
Red	+ VDC
Black	GND

■ WIRING POSITION

WB - Wire from back



Ideal for fittings installed back-to-back or limited spaces.

WS - Wire from Side



Ideal for fittings installed individually or vertically.

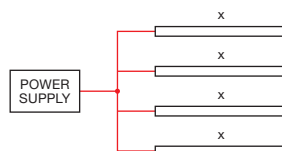
■ IP RATING

IP40

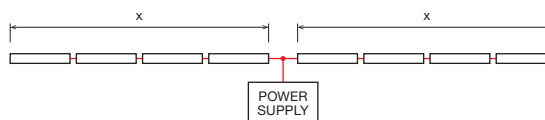
Protected against solid objects greater than 1mm. No protection against liquids.

■ INSTALLATION LIMITS

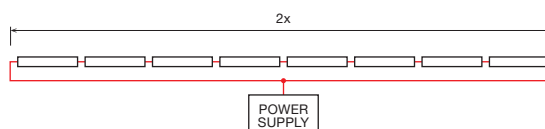
SCENARIO 1



SCENARIO 2



SCENARIO 3



20W VERSION

MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
10,000 mm	With standard 2 core (WR2OS / WR2BS)
8,000 mm	With standard 4 pin connectors (IC4MO / IC4MF)

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

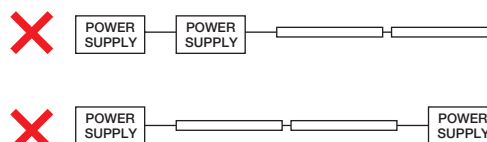
36W VERSION

MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
5,000 mm	With standard 2 core (WR2OS / WR2BS)
3,000 mm	With standard 4 pin connectors (IC4MO / IC4MF)

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

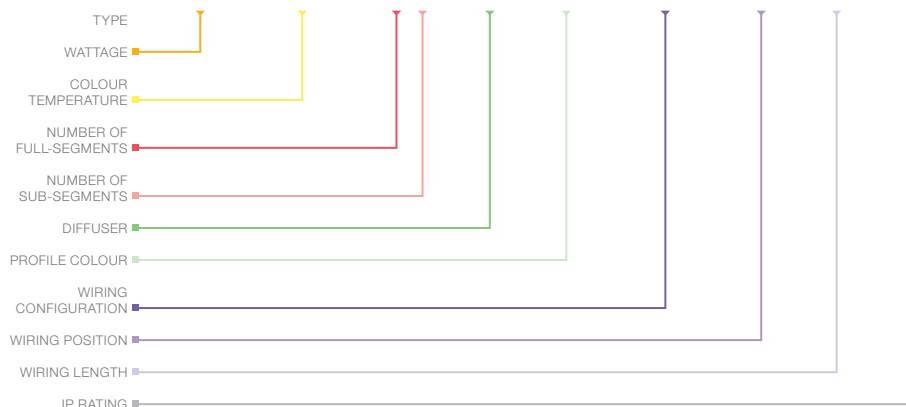
⚠ WARNING

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



ORDERING EXAMPLE

STR - MAYA P45 - 36W - 3.0KCRI - S2A0 - SD - BLK - WR2OS - WB - 100 - IP40



WATTAGE

20W	19.3W per metre
36W	35.7W per metre

COLOUR TEMPERATURE

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

DIFFUSER

SD	Standard Diffused
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PROFILE COLOUR

BLK	Black (Standard)
WHT	White
GRY	Grey
CST	Custom Colour ¹

WIRING CONFIGURATION

WR2OS	Wire 2 Core One Side
WR2BS	Wire 2 Core Both Sides
IC4MO	Indoor Connector 4 pin Male Only
IC4MF	Indoor Connector 4 pin Male + Female
SMPLC	Sample Type Connector 2.5mm

WIRING POSITION

WB	Wire from Back
WS	Wire from Side

WIRING LENGTH

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

IP RATING

IP40	Indoor Use
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¹ Custom colours available on request.

■ ACCESSORIES

	PRODUCT CODE	DESCRIPTION
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MOUNTING ¹



MC-CCLIP

Stainless Steel C-Clip

¹ Recommended spacing between Mounting Clips is maximum 300mm.

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 FOR OUTDOOR USE



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

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-LNR-IC4FO-DC-L-IP65-0.1M	0.1m Connector Extension for Strips 1x Red, 1x Black, 0.75mm ² wires
CBL-LNR-IC4FO-DC-L-IP65-0.25M	0.25m Connector Extension for Strips 1x Red, 1x Black, 0.75mm ² wires
CBL-LNR-IC4FO-DC-L-IP65-0.5M	0.5m Connector Extension for Strips 1x Red, 1x Black, 0.75mm ² wires

■ PHOTOGRAPHY

	LOCATION		
Cover Photo Page 3	Jim Stynes Bridge, River St, South Yarra VIC 3141		
	LIGHTING DESIGN	ARCHITECT	CONTRACTOR
	Electrolight	Cox Architects	Programmed