



MULTO IP

LED STRIP STR-MULTO IP





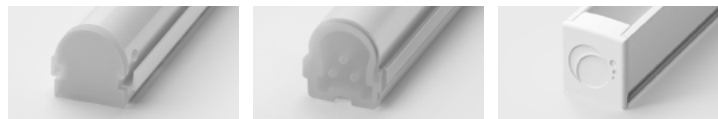
Multo IP is a highly customisable exterior strip with a wide range of colour temperature, length and profile options to select from.

Available in two wattages (9W or 16W), the Multo IP range offers a completely uniform glowing diffuser where no dots or scalloping is visible along the length of the luminaire or the illuminated surface.

POWER

9W

9.6W / metre



SD

RD

P20T

16W

16W / metre



SD

RD

P20T

COLOUR TEMPERATURE

	2700K	3000K	3200K	4000K
SD Profile	✘	✘	✔	✔
RD Profile	✘	✘	✔	✔
P20T Profile	✔	✔	✔	✔

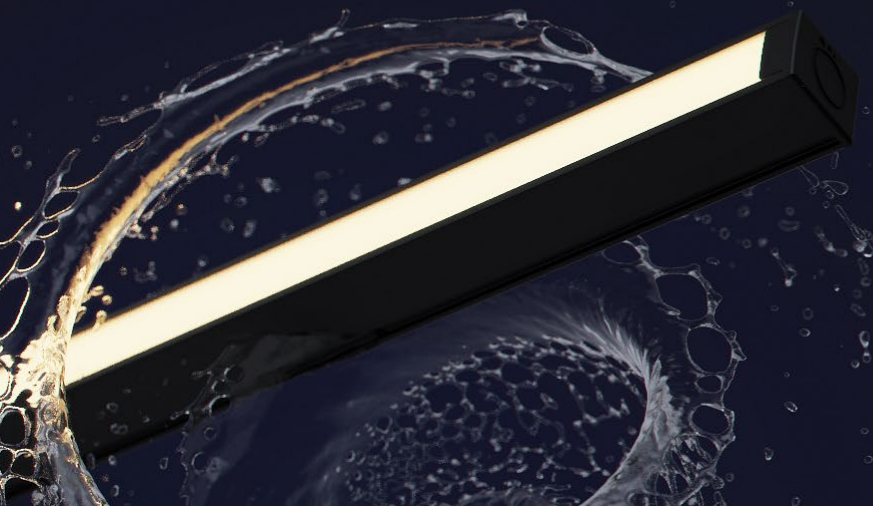
UNIFORM GLOW

The diffuser height and the pitch of the LED has been precisely designed to ensure perfectly uniform illumination along the length of the diffuser.



ELEGANT ENCAPSULATION

Multo IP utilises Coolon's encapsulation technology to deliver a truly extraordinary outdoor luminaire. IP65, IK08, shock and abrasion resistance, thermal protection, and dashingly good looks, all in one.



L70

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 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

	9W	16W
Product Code	STR-MULTO IP	
Description	Multo IP LED Strip	
Segment Length (S)	300mm	
Sub-Segment Length (A)	37.5mm	
Number of Sub-Segments	8	
Segment Width	10.50mm	
LED Pitch	6.25mm	
LEDs Per Segment	48	
LEDs Per Sub Segment	6	
Operating Voltage	24VDC	24VDC
Typical Power Consumption per Segment	2.8W	4.8W
Typical Power Consumption per Metre	9.6W/m	16W/m
Typical Current per Segment	120mA	200mA
Colour Rendering Index (CRI)	80+	
Dimmable	Through DRV-DALIPOINT-1X5A, DRV-DALIPOINT-1X10A-IP, or DRV-DIMMERPOINT-1X10A (sold separately)	
Effective Beam Angle	120°	
External Heatsink Required	No	
Ambient Operating Temp	Ta -10°C to 50°C	
Thermal Management	No	
Average Lumen Maintenance @Ta 25°C	70% @ 50,000 Hours	
IP Rating	IP65 (Standard), up to IP68	
Max Continuous Connection Length	Please refer to installation limitations	

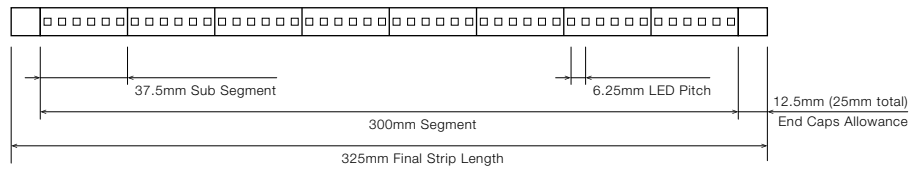
▪ LUMEN / METRE MATRIX

POWER	LUMINOUS FLUX			
	2700K	3000K	3200K	4000K
9W 9.6W / metre				
SD Profile				
	✘	✘	540 lm / metre	585 lm / metre
RD Profile				
	✘	✘	540 lm / metre	585 lm / metre
P20T Profile (White)				
	450 lm / metre	466 lm / metre	466 lm / metre	468 lm / metre
P20T Profile (Black)				
	180 lm / metre	196 lm / metre	196 lm / metre	198 lm / metre
16W 16W / metre				
SD Profile				
	✘	✘	960 lm / metre	1,040 lm / metre
RD Profile				
	✘	✘	960 lm / metre	1,040 lm / metre
P20T Profile (White)				
	800 lm / metre	832 lm / metre	832 lm / metre	880 lm / metre
P20T Profile (Black)				
	320 lm / metre	352 lm / metre	352 lm / metre	400 lm / metre

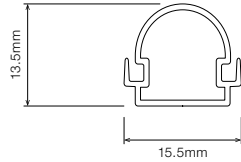
✘ : CCT / Profile combination NOT AVAILABLE NM : Lumen output NOT MEASURED

■ DIMENSIONS

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



STANDARD PROFILE



AVAILABLE IN

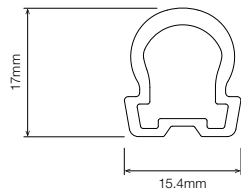
Diffused



MOUNTING OPTIONS

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

REINFORCED PROFILE



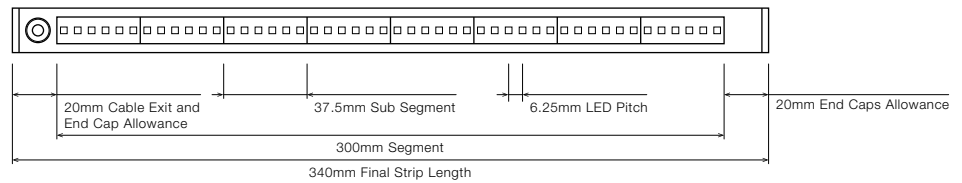
AVAILABLE IN

Diffused

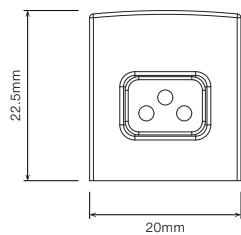


MOUNTING OPTIONS

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



P20 PROFILE



AVAILABLE IN

Diffused



MOUNTING OPTIONS

- **MC-CCLIP20**
Stainless Steel C-Clip for P20 Profile
- **MC-STR-P20R**
Rotating Clip Mount for P20 Profile



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



▪ PRODUCT LENGTH WITH SD/RD

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
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

➤ 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 WITH SD/RD**
(CONTINUED)

FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
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

▪ Custom length subject to availability

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▪ PRODUCT LENGTH WITH P20T

FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
PS0	A1	37.5mm	add 40mm	77.5mm
PS0	A2	75mm	add 40mm	115mm
PS0	A3	112.5mm	add 40mm	152.5mm
PS0	A4	150mm	add 40mm	190mm
PS0	A5	187.5mm	add 40mm	227.5mm
PS0	A6	225mm	add 40mm	265mm
PS0	A7	262.5mm	add 40mm	302.5mm
PS1	A0	300mm	add 40mm	340mm
PS1	A1	337.5mm	add 40mm	377.5mm
PS1	A2	375mm	add 40mm	415mm
PS1	A3	412.5mm	add 40mm	452.5mm
PS1	A4	450mm	add 40mm	490mm
PS1	A5	487.5mm	add 40mm	527.5mm
PS1	A6	525mm	add 40mm	565mm
PS1	A7	562.5mm	add 40mm	602.5mm
PS2	A0	600mm	add 40mm	640mm
PS2	A1	637.5mm	add 40mm	677.5mm
PS2	A2	675mm	add 40mm	715mm
PS2	A3	712.5mm	add 40mm	752.5mm
PS2	A4	750mm	add 40mm	790mm
PS2	A5	787.5mm	add 40mm	827.5mm
PS2	A6	825mm	add 40mm	865mm
PS2	A7	862.5mm	add 40mm	902.5mm
PS3	A0	900mm	add 40mm	940mm
PS3	A1	937.5mm	add 40mm	977.5mm
PS3	A2	975mm	add 40mm	1,015mm
PS3	A3	1,012.5mm	add 40mm	1,052.5mm
PS3	A4	1,050mm	add 40mm	1,090mm
PS3	A5	1,087.5mm	add 40mm	1,127.5mm
PS3	A6	1,125mm	add 40mm	1,165mm
PS3	A7	1,162.5mm	add 40mm	1,202.5mm
PS4	A0	1,200mm	add 40mm	1,240mm
PS4	A1	1,237.5mm	add 40mm	1,277.5mm
PS4	A2	1,275mm	add 40mm	1,315mm
PS4	A3	1,312.5mm	add 40mm	1,352.5mm
PS4	A4	1,350mm	add 40mm	1,390mm
PS4	A5	1,387.5mm	add 40mm	1,427.5mm
PS4	A6	1,425mm	add 40mm	1,465mm
PS4	A7	1,462.5mm	add 40mm	1,502.5mm
PS5	A0	1,500mm	add 40mm	1,540mm
PS5	A1	1,537.5mm	add 40mm	1,577.5mm
PS5	A2	1,575mm	add 40mm	1,615mm
PS5	A3	1,612.5mm	add 40mm	1,652.5mm
PS5	A4	1,650mm	add 40mm	1,690mm
PS5	A5	1,687.5mm	add 40mm	1,727.5mm
PS5	A6	1,725mm	add 40mm	1,765mm
PS5	A7	1,762.5mm	add 40mm	1,802.5mm

➤ 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

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LED Strips must not be bent.

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

▪ **PRODUCT LENGTH WITH P20T**
(CONTINUED)

FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
PS6	A0	1,800mm	add 40mm	1,840mm
PS6	A1	1,837.5m	add 40mm	1,877.5mm
PS6	A2	1,875mm	add 40mm	1,915mm
PS6	A3	1,912.5mm	add 40mm	1,952.5mm
PS6	A4	1,950mm	add 40mm	1,990mm
PS6	A5	1,987.5mm	add 40mm	2,027.5mm
PS6	A6	2,025mm	add 40mm	2,065mm
PS6	A7	2,062.5mm	add 40mm	2,102.5mm
PS7	A0	2,100mm	add 40mm	2,140mm
PS7	A1	2,137.5mm	add 40mm	2,177.5mm
PS7	A2	2,175mm	add 40mm	2,215mm
PS7	A3	2,212.5mm	add 40mm	2,252.5mm
PS7	A4	2,250mm	add 40mm	2,290mm
PS7	A5	2,287.5mm	add 40mm	2,327.5mm
PS7	A6	2,325mm	add 40mm	2,365mm
PS7	A7	2,362.5mm	add 40mm	2,402.5mm
PS8	A0	2,400mm	add 40mm	2,440mm
PS8	A1	2,437.5mm	add 40mm	2,477.5mm
PS8	A2	2,475mm	add 40mm	2,515mm
PS8	A3	2,512.5mm	add 40mm	2,552.5mm
PS8	A4	2,550mm	add 40mm	2,590mm
PS8	A5	2,587.5mm	add 40mm	2,627.5mm
PS8	A6	2,625mm	add 40mm	2,665mm
PS8	A7	2,662.5mm	add 40mm	2,702.5mm
PS9	A0	2,700mm	add 40mm	2,740mm
PS9	A1	2,737.5mm	add 40mm	2,777.5mm
PS9	A2	2,775mm	add 40mm	2,815mm
PS9	A3	2,812.5mm	add 40mm	2,852.5mm
PS9	A4	2,850mm	add 40mm	2,890mm
PS9	A5	2,887.5mm	add 40mm	2,927.5mm
PS9	A6	2,925mm	add 40mm	2,965mm

- 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

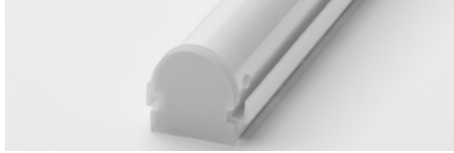
PLEASE HANDLE LONG LED STRIPS WITH CARE.

LED Strips must not be bent.

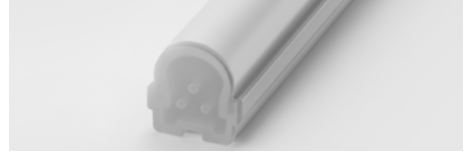
When handling LED Strips, please ensure that they are kept straight.

■ PROFILE /
DIFFUSER

SD - Standard Profile Diffused



RD - Reinforced Profile Diffused



P20T - P20 Profile Diffused



■ PROFILE
COLOUR

Profile colour applicable to P20 only.

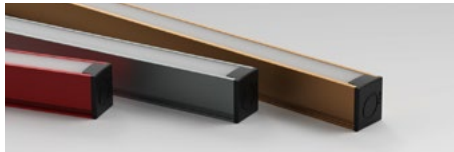
BLK - Black (Standard)



WHT - White (Standard)



CST - Custom Colour ¹



¹ Custom colours available on request.

WIRING CONFIGURATION

CONNECTOR TYPE	DRAWING	MALE	FEMALE
OC2MO Outdoor Connector 2pin Male Only			
OC2MF Outdoor Connector 2pin Male + Female			
SMP LC Sample Type Connector 2.5mm			
TEF2OS Teflon Wires 2 Core One Side for IP68			

- TEF2.1OS (Teflon Wires 2+1 Core One Side for IP68) loom length 2,000mm.
- 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

IP RATING

IP65

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

- SD Profile ¹
- RD Profile ¹
- P20T Profile ²

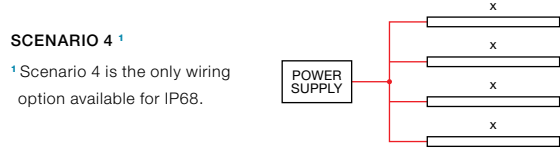
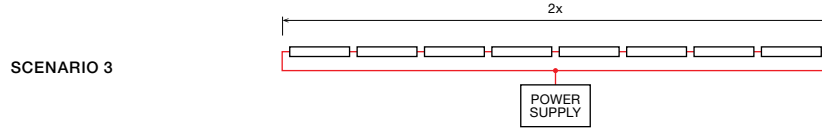
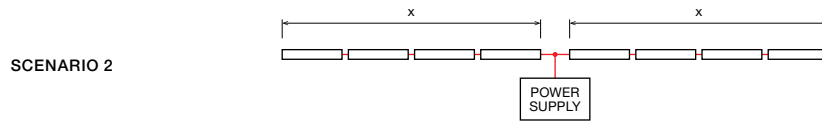
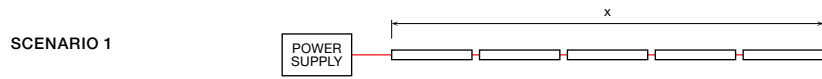
IP68

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

- SD Profile ¹
- RD Profile ¹

¹ IP65 and IP68 rating is only available for length up to 2,400mm for SD and RD profiles
² IP65 rating is only available for lengths up to 3,000mm for P20T profile

■ INSTALLATION LIMITS



9W VERSION

MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
6,900 mm	With upgraded outdoor 2 pin connectors (OC2MO / OC2MF)
11,200 mm	With upgraded outdoor 4 pin connectors (OC4MO / OC4MF)

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

16W VERSION

MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
3,400 mm	With upgraded outdoor 2 pin connectors (OC2MO / OC2MF)
5,800 mm	With upgraded outdoor 4 pin connectors (OC4MO / OC4MF)

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

⚠ WARNING

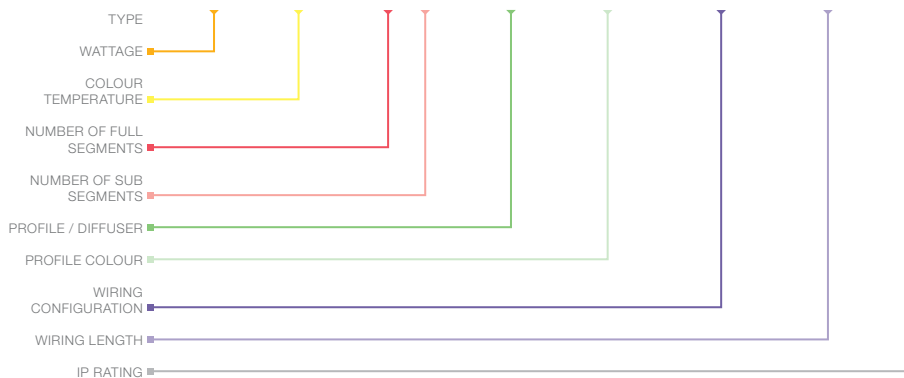
Avoid connecting multiple power supplies into a single circuit, unless they are specifically designed to do so.

✗

✗

ORDERING EXAMPLE

STR - MULTO IP - 9W - 3.0K - PS2A0 - P20T - WHT - OC2MO - 100 - IP65



■ **WATTAGE** PAGE 04

9W	9W per Metre
16W	16W per Metre

■ **COLOUR TEMPERATURE** ¹ PAGE 05

2.7K	2700K CRI 80 ²
3.0K	3000K CRI 80 ²
3.2K	3200K CRI 80
4.0K	4000K CRI 80

■ **PRODUCT LENGTH** PAGE 07 – 10

FULL SEGMENTS		SUB SEGMENTS	
S0	PS0	A0	
S1	PS1	A1	
S2	PS2	A2	
S3	PS3	A3	
S4	PS4	A4	
S5	PS5	A5	
S6	PS6	A6	
S7	PS7	A7	
S8	PS8		
S9	PS9		

■ **PROFILE / DIFFUSER** PAGE 11

SD	Standard Profile Diffused
RD	Reinforced Profile Diffused
P20T	P20 Profile Diffused ³

■ **PROFILE COLOUR** ⁴ PAGE 11

WHT	White (Standard)
BLK	Black
CST	Custom Colour

■ **WIRING CONFIGURATION** PAGE 12

OC2MO	Outdoor Connector 2 pin Male Only
OC2MF	Outdoor Connector 2 pin Male + Female
SMPLC	Sample Type Connector 2.5mm
TEF2OS	Teflon Wires 2 Core One Side for IP68

■ **WIRING LENGTH**

100	100mm
250	250mm
2000	2,000mm ⁵

■ **IP RATING** PAGE 12

IP65	Outdoor Use ^{6 / 7}
IP68	Prolonged Immersion Use ⁶

¹ Other CCT subject to availability.

² 2700K and 3000K options not available for SD and RD profiles.

³ IK08 rating only available for P20T profile.

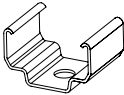
⁴ Profile colour applicable to P20 profile only. Custom colours available on request.

⁵ IP68 fittings supplied with 2,000mm of TEF2OS as standard.


⁶ IP65 and IP68 rating is only available for length up to 2,400mm for SD and RD profiles.


⁷ IP65 rating is only available for lengths up to 3,000mm for P20T profile.

■ ACCESSORIES

	PRODUCT CODE	DESCRIPTION
MOUNTING CLIP ¹		
	MC-STR-1513	Stainless Steel Mounting Clips for Standard and Low Profile
	MC-STR-RD	Stainless Steel Mounting Clips for Reinforced Profile
	MC-CCLIP20	Stainless Steel C-Clip for P20 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
DRIVER		
	DRV-DALIPOINT-1X5A	DALI 5 Amps 1 Channel LED Driver
	DRV-DALIPOINT-IP1X10A	DALI 10 Amps 1 Channel Outdoor LED Driver
	DRV-DIMMERPOINT-1X10A	Rotary Wall-Mount LED Driver
	DRV-RDM-P4	DMX / RDM 4 Channel LED Driver
	DRV-RDM-IP-P4	Outdoor DMX / RDM 4 Channel LED Driver

	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-OC2-IP65-0.6M	0.6m Connector Extension for Strips 1x Red, 1x Black, 0.75mm ² wires
	CBLEXT-STR-OC2-IP65-3M	3m Connector Extension for Strips 1x Red, 1x Black, 0.75mm ² wires
	CBLEXT-STR-OC2-IP65-5M	5m Connector Extension for Strips 1x Red, 1x Black, 0.75mm ² wires