

MULTO C IP

LED STRIP STR-MULTO C IP





The Multo C IP LED strip is offered in a range of striking static colours which for allows for a dramatic visual effect. It is highly customisable with a wide range of length and profile options to select from.

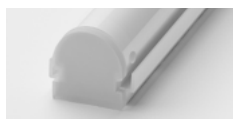
Available in two wattages (9W or 16W), the Multo C IP range offers a completely uniform glowing diffuser where no dots or scalloping is visible along the length of the luminaire or the illuminated surface.

POWER

LUMINOUS FLUX

9W

9.6W / metre



SD



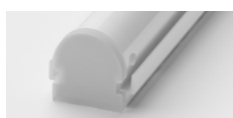
RD



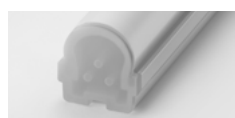
P20T

16W

16W / metre



SD



RD



P20T

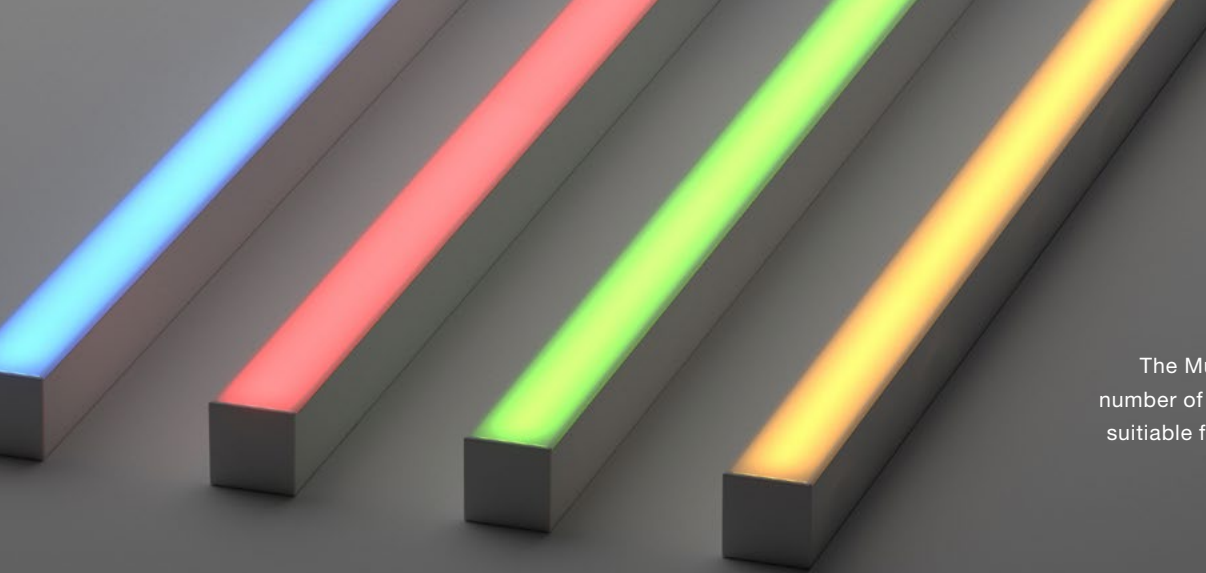
COLOURS

Blue

Green

Red

Amber



VARIOUS COLOURS

The Multo C IP is offered in a number of striking static colours, suitable for that dramatic finish.

HIGHLY VERSATILE LENGTH OPTIONS

Highly versatile length options allows the user to achieve much more accurate and adaptable lengths. The Multo C IP is able to achieve any desired length within a 37.5mm increment.



L70

LONG OPERATING LIFE

Coolon products use world's most reputable LED manufacturers and the latest available standard to adequately report luminaire lumen maintenance.

We strive to drive LEDs under their nominal current and use state of the art heat dissipation methods, leading to durable electronics.

5
YEARS

5 YEARS WARRANTY

Coolon Luminaires are covered by a solid comprehensible manufacturer's warranty that covers a range of possible defects and performance parameters throughout the duration of the warranty period.



PROUDLY MADE IN AUSTRALIA

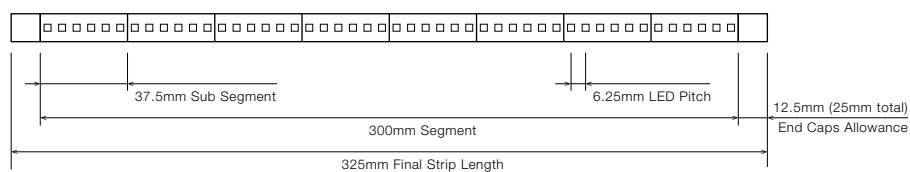
Our products are designed and manufactured in Australia. Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

■ TECHNICAL SPECIFICATIONS

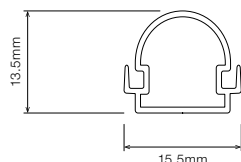
		BLUE	GREEN	RED	AMBER
Product Code	STR-MULTO C IP				
Description	Multo C IP LED Strip				
Segment Length (S)	300mm				
Sub-Segment Length (A)	37.5mm				
Number of Sub-Segments	8				
Segment Width	10.50mm				
LED Pitch	6.25mm				
LEDs Per Segment	48				
LEDs Per Sub Segment	6				
9W	Operating Voltage	24VDC	24VDC	15VDC	24VDC
	Typical Power Consumption per Segment	2.8W	2.8W	1.8W	2.8W
	Typical Power Consumption per Metre	9.6W/m	9.6W/m	6W/m	9.6W/m
16W	Typical Current per Segment	120mA	120mA	120mA	120mA
	Operating Voltage	24VDC	24VDC	15VDC	24VDC
	Typical Power Consumption per Segment	4.8W	4.8W	3.0W	4.8W
	Typical Power Consumption per Metre	16W/m	16W/m	10W/m	16W/m
	Typical Current per Segment	200mA	200mA	200mA	200mA
	Colour Rendering Index (CRI)	Not Applicable	Not Applicable	Not Applicable	Not Applicable
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 -40°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				
Wavelength	469nm	525nm	633nm	603 / 617nm	

DIMENSIONS

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



STANDARD PROFILE



AVAILABLE IN

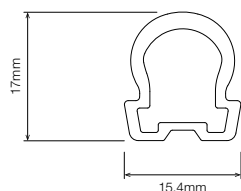
Diffused



MOUNTING OPTIONS

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

REINFORCED PROFILE



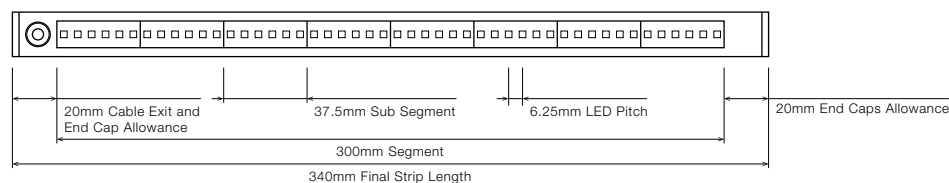
AVAILABLE IN

Diffused

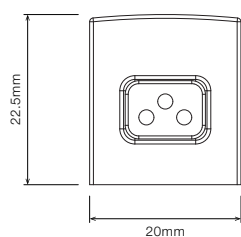


MOUNTING OPTIONS

- **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

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⚠ WARNING

Do not bend LED strip when removing from mounting clips.

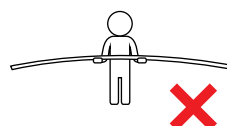
Gently twist LED Strip to remove from mounting clips.



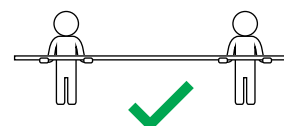
⚠ WARNING

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
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.

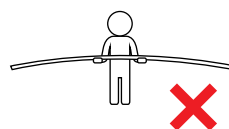
Gently twist LED Strip to remove from mounting clips.



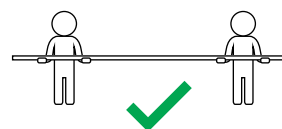
⚠ WARNING

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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

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.

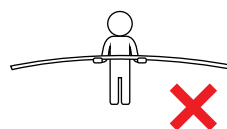
Gently twist LED Strip to remove from mounting clips.



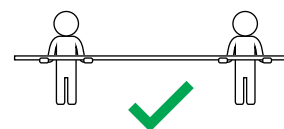
⚠ WARNING

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 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.

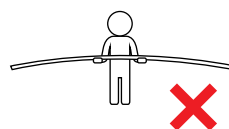
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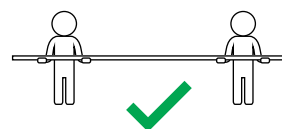
⚠ WARNING

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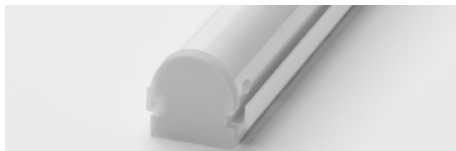
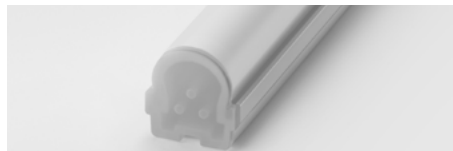
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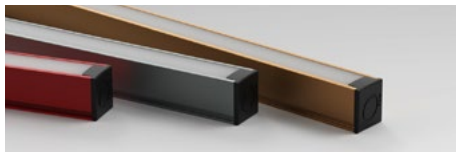


■ PROFILE / DIFFUSER

SD • Standard Profile Diffused**RD** • Reinforced Profile Diffused**P20T** • P20 Profile Diffused



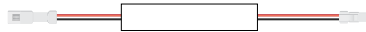






■ PROFILE COLOUR

Profile colour applicable to P20 only.

BLK • Black (Standard)**WHT** • White**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			
SMPLC 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

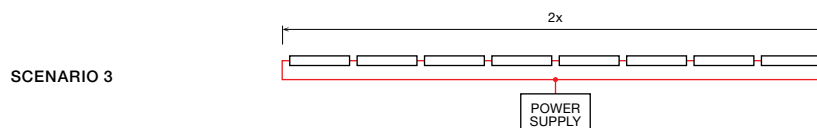
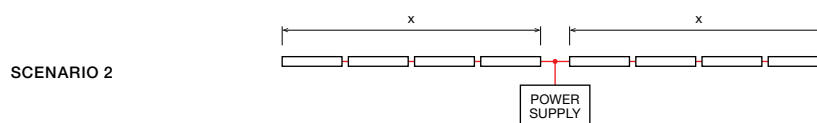
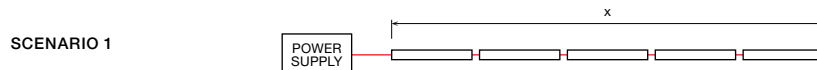
Fully protected against
dust. Protected against
the effects of prolonged
immersion under water.

- 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

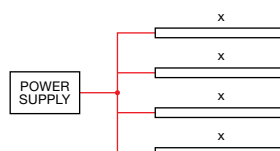
² IP65 rating is only available for lengths up to 3,000mm for P20T profile

■ INSTALLATION LIMITS



SCENARIO 4 ¹

¹ Scenario 4 is the only wiring option available for IP68.



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.

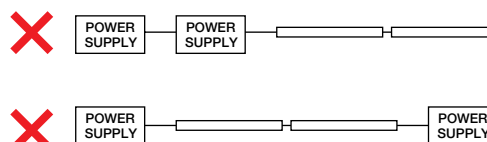
16W VERSION

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.

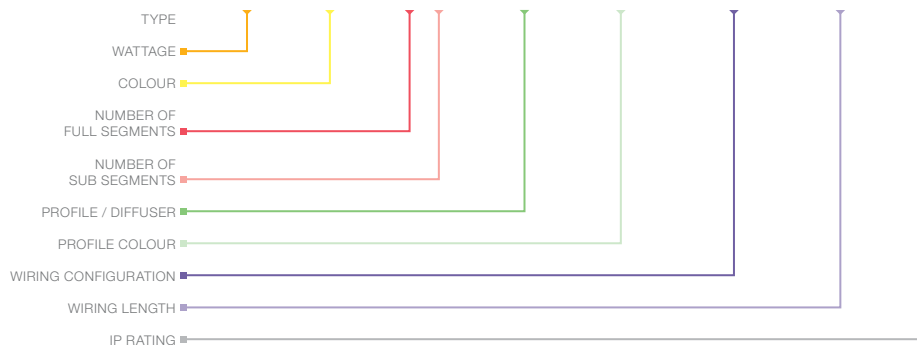
⚠ WARNING

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



ORDERING EXAMPLE

STR - MULTO C IP - 9W - BLU - S2A0 - P20T - WHT - OC2MO - 100 - IP65



WATTAGE PAGE 04

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

COLOUR PAGE 04

BLU	Blue
GRN	Green
RED	Red
AMB	Amber

PRODUCT LENGTH PAGE 06 – 09

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 10

SD	Standard Profile Diffused
RD	Reinforced Profile Diffused
P20T	P20 Profile Diffused ¹

PROFILE COLOUR ² PAGE 10

WHT	White (Standard)
BLK	Black
CST	Custom Colour

WIRING CONFIGURATION PAGE 11

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 ³

IP RATING PAGE 11

IP65	Outdoor Use ^{4 / 5}
IP68	Prolonged Immersion Use ⁴

¹ IK08 rating only available for P20T profile.

² Profile colour applicable to P20 profile only. Custom colours available on request.

³ IP68 fittings supplied with 2,000mm of TEF2OS as standard.

⁴ IP65 and IP68 rating is only available for length up to 2,400mm for SD and RD profiles.

⁵ 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.		
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
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
CABLE EXTENSIONS		
	CBLEXT-STR-WR2-IP40-3M	3m Cable Extension for Strips 1x Red, 1x Black, 0.75mm ² wire
	CBLEXT-STR-WR2-IP40-5M	5m Cable Extension for Strips 1x Red, 1x Black, 0.75mm ² wire
	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