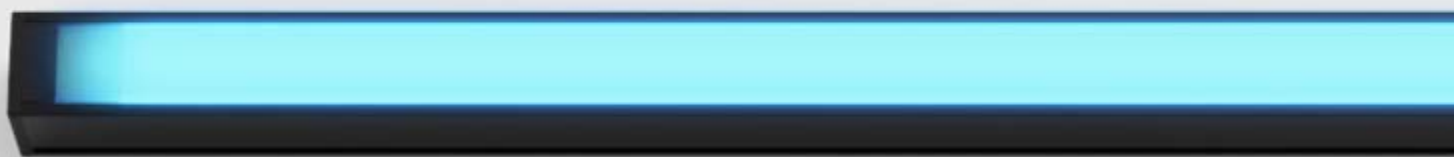# COOLON

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	 **P20T**
16W 16W / metre	 **P20T**

COLOURS

Blue	Green	Red	Amber

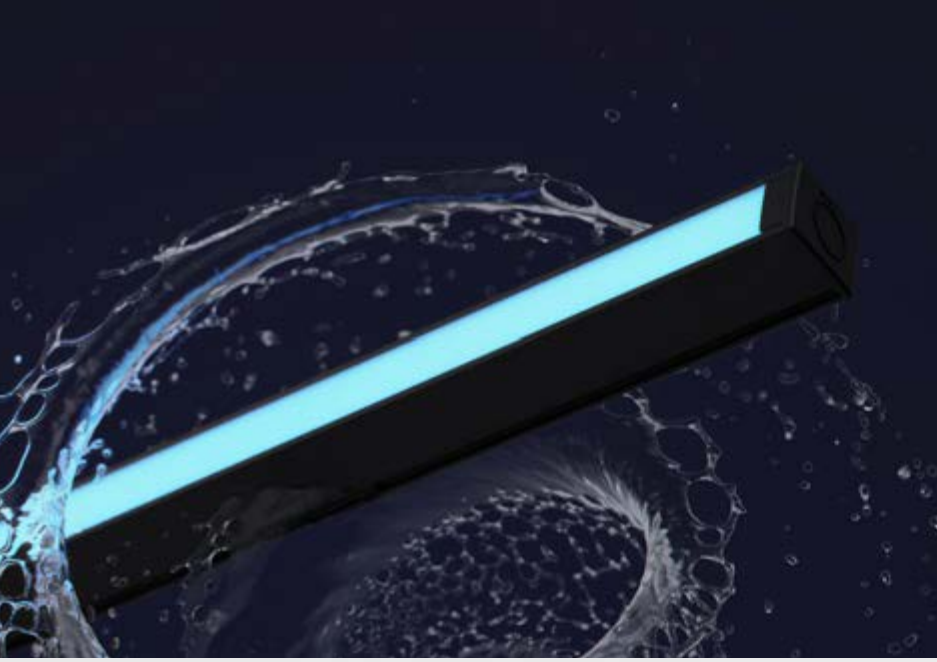## ELEGANT ENCAPSULATION

Multo C IP utilises Coolon's encapsulation or gel-fill technology to deliver a truly extraordinary outdoor luminaire. IP66, IK08, shock and abrasion resistance, thermal protection, and dashingly good looks, all in one.

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 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.

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.
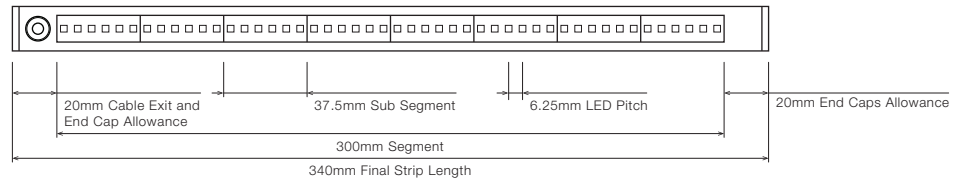
PROUDLY MADE IN AUSTRALIA

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.
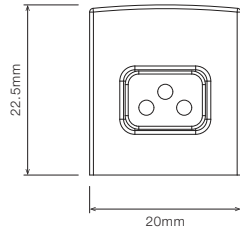
▪ TECHNICAL SPECIFICATIONS

		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	20VDC	24VDC
	Typical Power Consumption per Segment	2.8W	2.8W	2.4W	2.8W
	Typical Power Consumption per Metre	9.6W/m	9.6W/m	8W/m	9.6W/m
	Typical Current per Segment	120mA	120mA	120mA	120mA
16W	Operating Voltage	24VDC	24VDC	20VDC	24VDC
	Typical Power Consumption per Segment	4.8W	4.8W	4.0W	4.8W
	Typical Power Consumption per Metre	16W/m	16W/m	11W/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 40°C			
	Thermal Management	No			
	Average Lumen Maintenance @Ta 25°C	70% @ 50,000 Hours			
	IP Rating	IP66			
	IK Rating	IK08			
	Max Continuous Connection Length	Please refer to installation limitations			
	Dominant Wavelength	469nm	525nm	625nm	603 / 617nm

▪ DIMENSIONS

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

20mm Cable Exit and End Cap Allowance

37.5mm Sub Segment

6.25mm LED Pitch

20mm End Caps Allowance

300mm Segment

340mm Final Strip Length

P20 PROFILE

22.5mm

20mm

AVAILABLE IN

Diffused

MOUNTING OPTIONS

▪ **MC-CCLIP20**
  Stainless Steel C-Clip for P20 Profile

▪ **MBR-RB-TA-P20**
  Rotating Bracket,
  TYPE A Rotating Clip

▪ **MBR-RB-TB-P20**
  Rotating Bracket,
  TYPE B Rotating Clip

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

- ## 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

⚠ **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.

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

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		▣	▣
SMPLC Sample Type Connector 2.5mm		◎	

▪ 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.

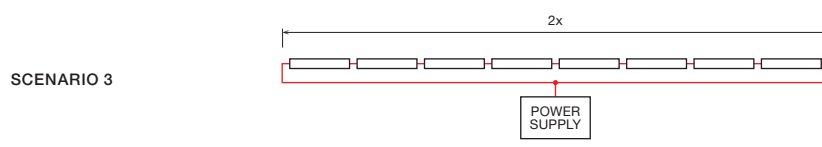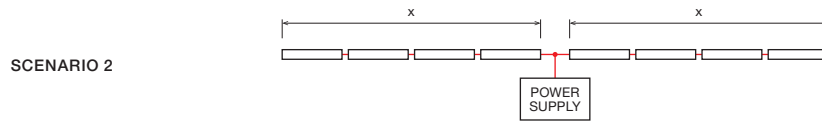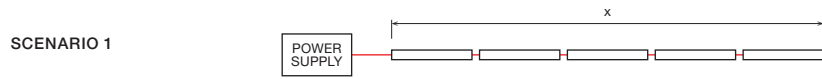| WIRING COLOUR CODE	
Red	+ VDC
Black	GND

▪ IP RATING

IP66

Fully protected against dust.
Protected against wave-like
water jets from all directions.

▪ P20T Profile

▪ INSTALLATION LIMITS

SCENARIO 1

SCENARIO 2

SCENARIO 3

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.
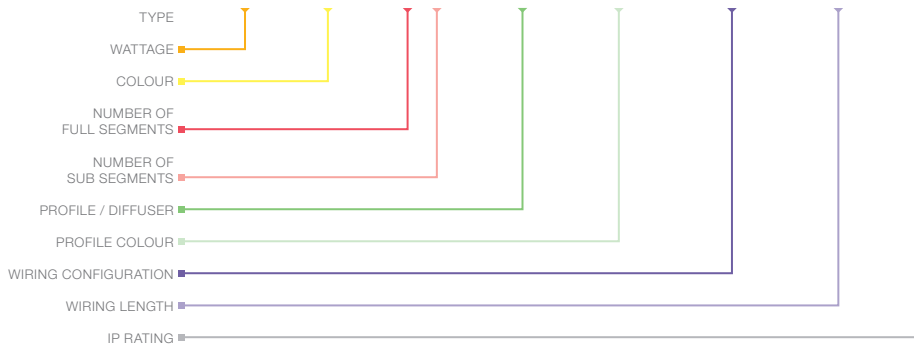
⚠ WARNING

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 - IP66

TYPE
WATTAGE
COLOUR
NUMBER OF FULL SEGMENTS
NUMBER OF SUB SEGMENTS
PROFILE / DIFFUSER
PROFILE COLOUR
WIRING CONFIGURATION
WIRING LENGTH
IP RATING

▪ 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 – 07

FULL SEGMENTS	SUB SEGMENTS
PS0	A0
PS1	A1
PS2	A2
PS3	A3
PS4	A4
PS5	A5
PS6	A6
PS7	A7
PS8	
PS9	

▪ PROFILE / DIFFUSER PAGE 08

P20T	P20 Profile Diffused

▪ PROFILE COLOUR PAGE 08

WHT	White (Standard)
BLK	Black
CST	Custom Colour

▪ WIRING CONFIGURATION PAGE 08

OC2MO	Outdoor Connector 2 pin Male Only
OC2MF	Outdoor Connector 2 pin Male + Female
SMPLC	Sample Type Connector 2.5mm
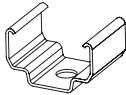
▪ WIRING LENGTH

100	100mm
250	250mm
2000	2,000mm

▪ IP RATING PAGE 08

IP66	Outdoor Use

COOLON
archsales@coolon.com.au   **aus.** 1300 287 533   **intl.** +613 8681 3633   www.coolon.com.au   Version 1.3
All documentation is subject to change without notice. Refer to our website for the latest information.   Page 10

■ ACCESSORIES
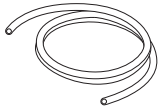
	PRODUCT CODE	DESCRIPTION
MOUNTING CLIP [1]		
	MC-CCLIP20	Stainless Steel C-Clip for P20 Profile
	MBR-RB-TA-P20-BLK	Rotating Bracket, TYPE A Rotating Clip - Black
	MBR-RB-TB-P20-BLK	Rotating Bracket, TYPE B Rotating Clip - Black

[1] Recommended spacing between Mounting Clips and Brackets 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
	PWR-HLG-60H-20AU [2]	Mean Well Power Supply HLG 60W 20V IP67
	PWR-HLG-150H-20AU [2]	Mean Well Power Supply HLG 150W 20V IP67

[2] 20V power supplies are compatible with the RED colour only.

	PRODUCT CODE	DESCRIPTION
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