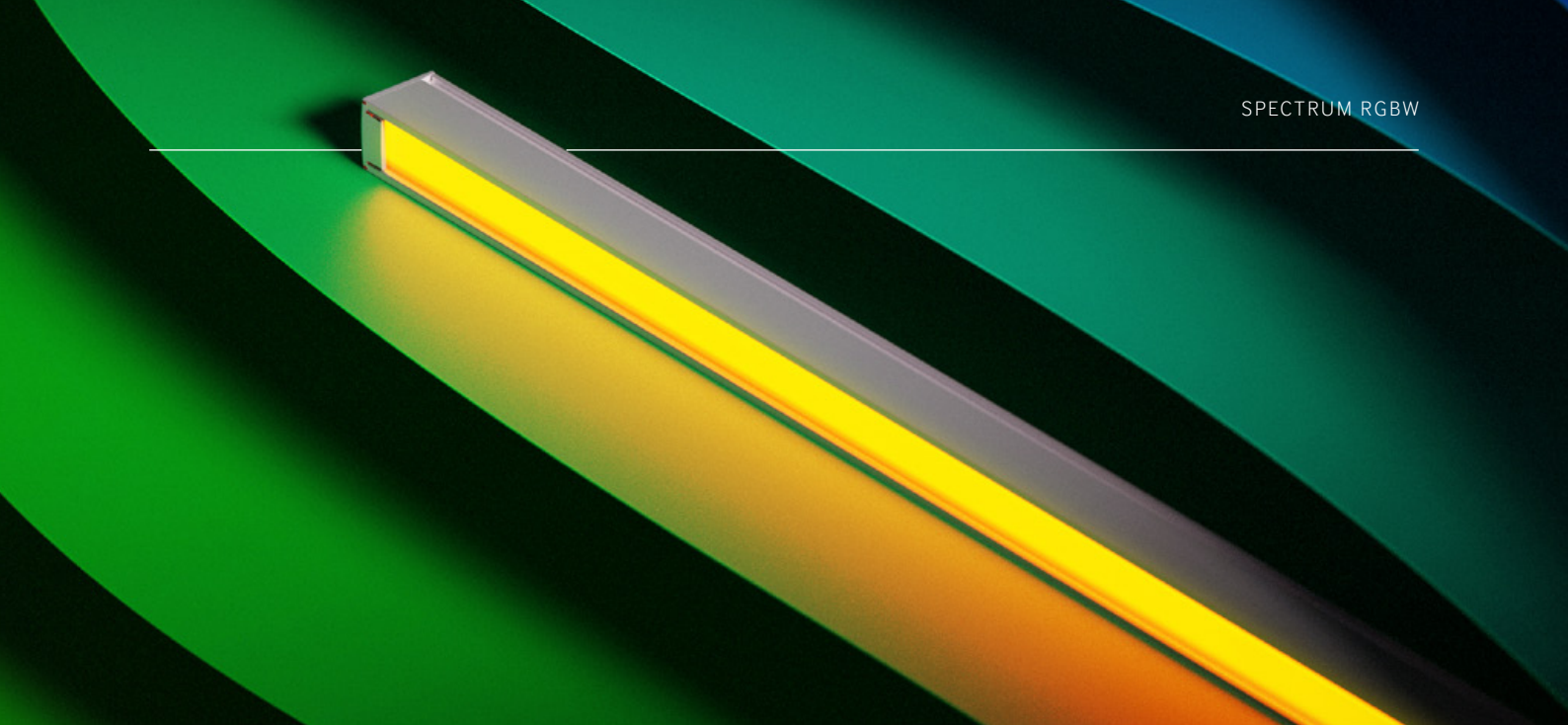




SPECTRUM RGBW

LED STRIP STR-SPECTRUM RGBW





The reliable Spectrum RGBW provides smooth colour changing in a compact form factor, producing rich and intensely coloured light. Spectrum RGBW is perfect for many creative architectural lighting applications when used either indirectly or directly as a line of light.

With advanced design features and a quad-chip LED that allows colour mixing to occur in each diode, Spectrum RGBW delivers a pure, bright and untainted glow of each colour that is completely uniform in appearance.

POWER**PROFILE****20W**

20.6W / metre

**P20D**

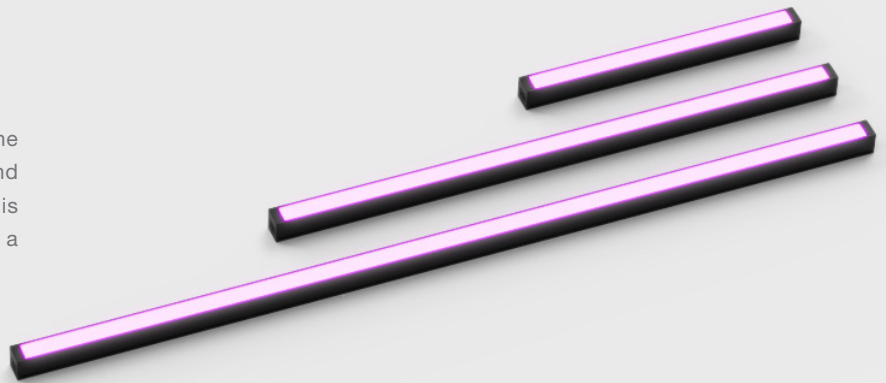
RGBW FULL COLOUR

RGBW COLOURS

Spectrum RGBW offers full gamut RGBW colour ideal for decorative application and dazzling effects.

HIGHLY VERSATILE LENGTH OPTIONS

Highly versatile length options allows the user to achieve much more accurate and adaptable lengths. The Spectrum RGBW is able to achieve any desired length within a 70mm increment.



L70

LONG USEFUL 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.



FLEXIBLE COLOUR MIXING VARIATIONS

Quad-chip LEDs provide spectacular colour mixing. Our high performance and superior quality LEDs have the ability to produce 16.7 million colours.

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

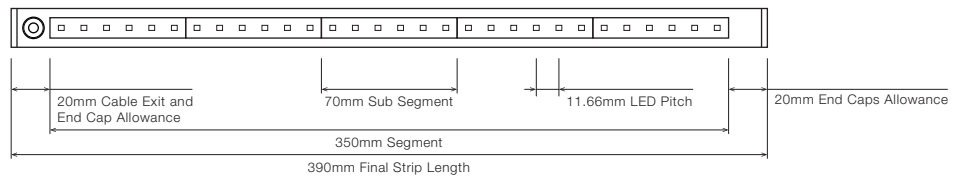
Product Code	STR-SPECTRUM RGBW			
Description	Spectrum RGBW LED Strip			
Segment Length (S)	350mm			
Sub-Segment Length (A)	70mm			
Number of Sub-Segments	5			
Segment Width	13.30mm			
LED Pitch	11.66mm			
LEDs Per Segment	30			
LEDs Per Sub Segment	6			
Operating Voltage	24VDC			
Typical Power Consumption per Segment	7W per segment			
Typical Power Consumption per Metre	20W per Metre			
Typical Current per 350mm Segment	■ Red - 75mA	■ Green - 75mA	■ Blue - 75mA	□ White - 75mA
Colour Rendering Index (CRI)	80 (Static White Only)			
Dimmable	Through DRV-RDM-P4, DRV-RDM CV NEO and CAS-CBU-PWM4			
Effective Beam Angle	117°			
External Heatsink Required	No			
Ambient Operating Temp	Ta -40°C to 50°C			
Thermal Management	No			
Average Lumen Maintenance @Ta 25°C	TBC			
IP Rating	IP40			
Max Continuous Connection Length	Please refer to installation limitations			
Typical Wavelength or Colour Temperature CCT	■ Red - 624nm	■ Green - 527nm	■ Blue - 468nm	□ White - 3975K

POWER & LUMEN OUTPUT

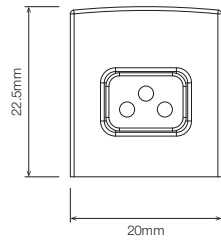
	POWER / METRE	LUMEN / METRE
□ White	5W	225 lm per Metre
■ Red	5W	70 lm per Metre
■ Green	5W	175 lm per Metre
■ Blue	5W	37 lm per Metre

■ DIMENSIONS

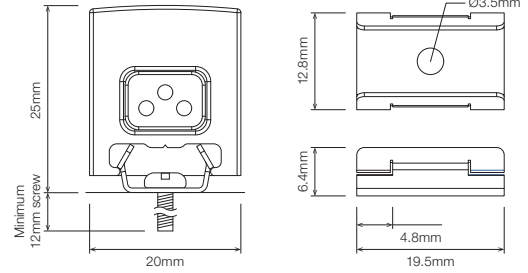
For final strip lengths please refer to the "Product Length" table.



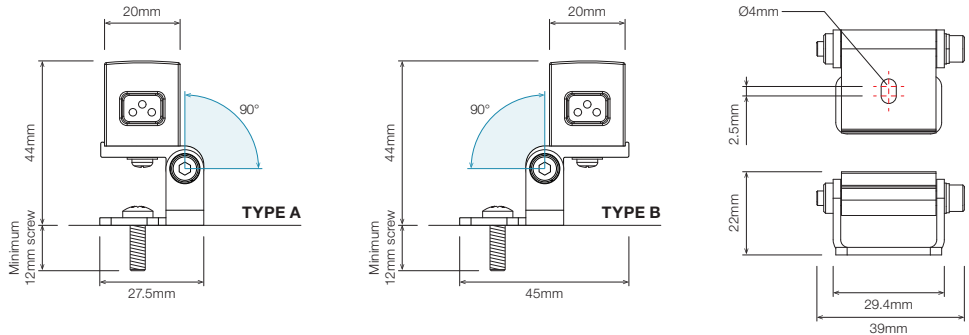
STANDARD PROFILE



WITH STAINLESS STEEL C-CLIP ¹



ROTATING MOUNTING BRACKET, TYPE A/B ROTATING CLIP ¹



¹ Recommended spacing between Mounting Brackets is maximum 500mm and Mounting Clips is maximum 300mm.



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

PRODUCT LENGTH

FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
S0	A1	70mm	add 40mm	110mm
S0	A2	140mm	add 40mm	180mm
S0	A3	210mm	add 40mm	250mm
S0	A4	280mm	add 40mm	320mm
S1	A0	350mm	add 40mm	390mm
S1	A1	420mm	add 40mm	460mm
S1	A2	490mm	add 40mm	530mm
S1	A3	560mm	add 40mm	600mm
S1	A4	630mm	add 40mm	670mm
S2	A0	700mm	add 40mm	740mm
S2	A1	770mm	add 40mm	810mm
S2	A2	840mm	add 40mm	880mm
S2	A3	910mm	add 40mm	950mm
S2	A4	980mm	add 40mm	1,020mm
S3	A0	1,050mm	add 40mm	1,090mm
S3	A1	1,120mm	add 40mm	1,160mm
S3	A2	1,190mm	add 40mm	1,230mm
S3	A3	1,260mm	add 40mm	1,300mm
S3	A4	1,330mm	add 40mm	1,370mm
S4	A0	1,400mm	add 40mm	1,440mm
S4	A1	1,470mm	add 40mm	1,510mm
S4	A2	1,540mm	add 40mm	1,580mm
S4	A3	1,610mm	add 40mm	1,650mm
S4	A4	1,680mm	add 40mm	1,720mm
S5	A0	1,750mm	add 40mm	1,790mm
S5	A1	1,820mm	add 40mm	1,860mm
S5	A2	1,890mm	add 40mm	1,930mm
S5	A3	1,960mm	add 40mm	2,000mm
S5	A4	2,030mm	add 40mm	2,070mm
S6	A0	2,100mm	add 40mm	2,140mm
S6	A1	2,170mm	add 40mm	2,210mm
S6	A2	2,240mm	add 40mm	2,280mm
S6	A3	2,310mm	add 40mm	2,350mm
S6	A4	2,380mm	add 40mm	2,420mm
S7	A0	2,450mm	add 40mm	2,490mm
S7	A1	2,520mm	add 40mm	2,560mm
S7	A2	2,590mm	add 40mm	2,630mm
S7	A3	2,660mm	add 40mm	2,700mm
S7	A4	2,730mm	add 40mm	2,770mm
S8	A0	2,800mm	add 40mm	2,840mm
S8	A1	2,870mm	add 40mm	2,910mm
S8	A2	2,940mm	add 40mm	2,980mm

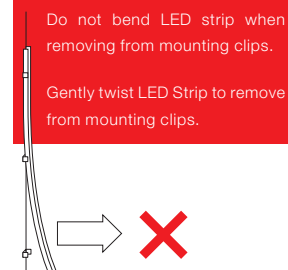
Confirm interstate courier compliance

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.

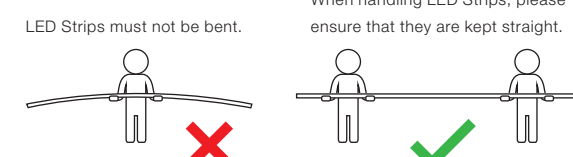


⚠ WARNING

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

P20D · P20 Profile Diffused



■ PROFILE
COLOUR

Profile colour applicable to P20 only.

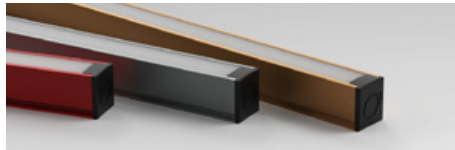
BLK · Black



WHT · White (Standard)








CST · Custom Colour ¹



¹ Custom colours available on request.

WIRING CONFIGURATION

CONNECTOR TYPE	DRAWING	MALE	FEMALE
RC6OS Wire 6 Core One Side			
RC6BS Wire 6 Core Both Sides			

- Please consult Coolon for details on extension cables between LED fittings, drivers and PSUs.

WIRING COLOUR CODE	
Orange / Yellow	+ VDC
Red	- RED
Green	- GREEN
Blue	- BLUE
White	- WHITE

WIRING POSITION

WB - Wire from back



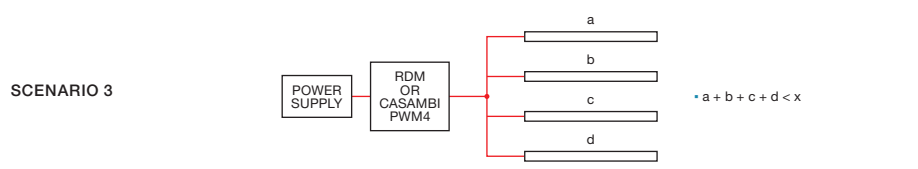
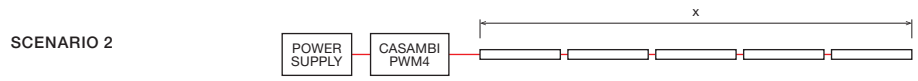
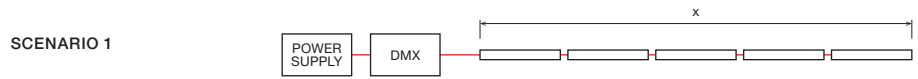
Ideal for fittings installed back-to-back or limited spaces.

IP RATING

IP40

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

■ INSTALLATION LIMITS



	MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
Coolon RDM / DMX Driver	6,000mm	With 6 core cable (RC6OS / RC6BS)

- Please consult Coolon for details on extension cables between LED fittings, drivers and PSUs.
- Maximum run length of RGBW strip may be restricted by DMX / RDM driver. Please refer to Coolon's Driver brochures.

⚠ WARNING

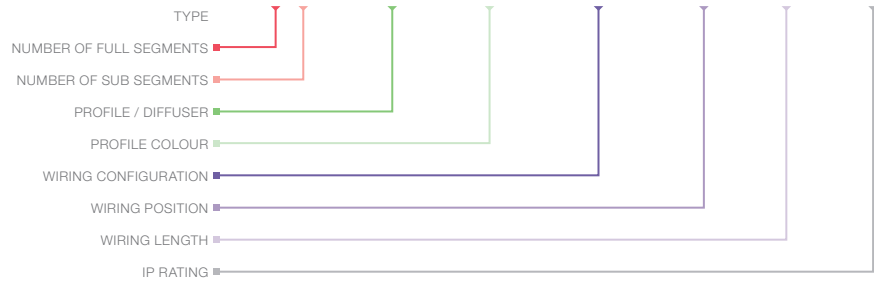
Avoid connecting multiple power supplies into a single circuit, unless they are specifically designed to do so.

✗

✗

ORDERING EXAMPLE

STR - SPECTRUM RGBW - S2A1 - P20D - BLK - WR6OS - WB - 100 - IP40



■ **PRODUCT LENGTH** PAGE 06

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

■ **PROFILE / DIFFUSER** PAGE 07

P20D	P20 Profile Diffused
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■ **PROFILE COLOUR** ¹ PAGE 07

BLK	Black
WHT	White (Standard)
CST	Custom Colour

■ **WIRING CONFIGURATION** PAGE 08

RC6OS	Wire 6 Core One Side
RC6BS	Wire 6 Core Both Sides

■ **WIRING POSITION** PAGE 08

WB	Wire from Back
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■ **WIRING LENGTH**





100	100mm
250	250mm

■ **IP RATING** PAGE 08

IP40	Indoor Use
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¹ Custom colours available on request.

■ ACCESSORIES

	PRODUCT CODE	DESCRIPTION
MOUNTING		
	MC-CCLIP20	Stainless Steel C-Clip for P20 Profile
	MBR-RB-TA-BLK	Rotating Bracket, TYPE A Rotating Clip - Black
	MBR-RB-TB-BLK	Rotating Bracket, TYPE B Rotating Clip - Black
¹ Recommended spacing between Mounting Brackets is maximum 500mm and Mounting Clips is maximum 300mm.		
DRIVER		
	DRV-RDM-P4	DMX / RDM 4 Channel LED Driver
	DRV-RDM CV NEO	Neo Outdoor DMX / RDM 4 Channel LED Driver
	CAS-CBU-PWM4	Casambi Bluetooth Controllable 4 Channel PWM Dimmer
POWER SUPPLY FOR OUTDOOR USE (IP67)		
	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-LNR-WR5-DC-L-IP40-3M	3m Length, 5 Core Leader Cable with outdoor female 6 pin connector and loose wires
	CBL-LNR-WR5-DC-L-IP40-5M	5m Length, 5 Core Leader Cable with outdoor female 6 pin connector and loose wires
	CBL-LNR-WR5-DC-L-IP40-10M	10m Length, 5 Core Leader Cable with outdoor female 6 pin connector and loose wires