

7101xx5x LEDBAR CONTOUR 1617 RGBW

PRODUCT SUMMARY

LEDBAR CONTOUR 1617 RGBW is a colour changing Flexible strip with quad-chip LEDs embedded into a specialist silicon material producing continuous lines of light in an infinite spectrum of colours.

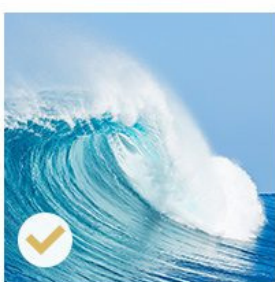
The High performance Silicone jacket material provides excellent weatherproofing, UV resistance and a wide working temperature range making it suitable for interior, exterior & underwater applications.

Colour selection is achieved via 4 channel PWM with any compatible DMX-512 controller, vibrant hues can be softened with addition of white in 2700K, 3000K or a cooler 4000K.

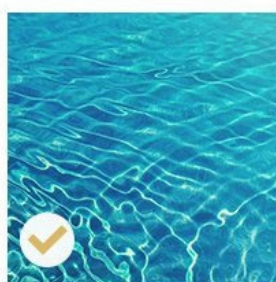
RGBW



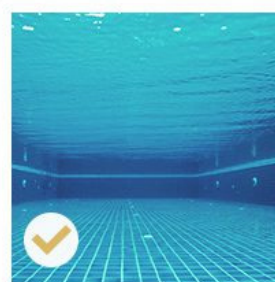
Fresh Water



Sea Water
(Salinity≤4%)



Swimming pool
(Chlorine≤5PPM)



Swimming pool
(Ozone≤0.3PPM)



Spring Water
(conditions are restricted)

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Silicone

PVC



5 Year
Warranty



3 Year
Warranty



Solvents
Resistant



UV
Resistant



Flame
Resistant

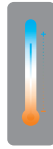


Salt Water
Resistant



IK10
Protection

ENVIRONMENT



Ambient Working Temperature

Silicone
15W/m -40~45°C
PVC
15W/m -20~35°C

Ambient Installation Temperature

Silicone $\geq -40^{\circ}\text{C}$ PVC $\geq 0^{\circ}\text{C}$

Max. Mounting Surface Temperature

Silicone = 85°C PVC = 60°C

Chlorine Levels

Silicone Casing is suitable for swimming pools with Chlorine <2ppm. Use PVC Casing if Chlorine >2ppm

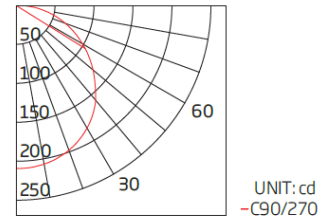
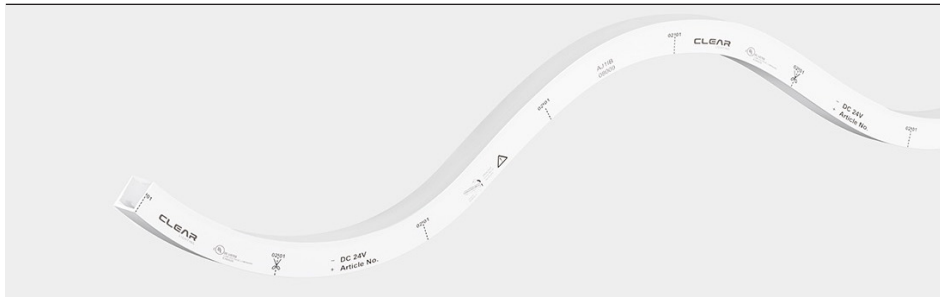
COLOURS AVAILABLE



RGBW

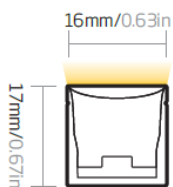
Supply Voltage
DC24V

VERTICAL BENDING



AVERAGE BEAM ANGLE (50%): 113.2°

Silicone



Bending-extreme
8902 times

Tensile-instantaneous
>100 kg.f

Twist-extreme
5433 times

PVC

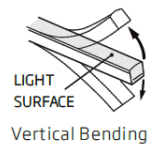
Bending-extreme
4457 times

Tensile-instantaneous
45kg.f

Twist-extreme
6867 times

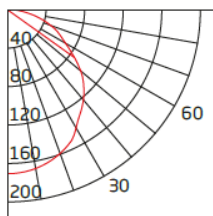
Min. Bending Diameter
300mm/11.81in

Min. Cutting Length
83.3mm/3.28in
7LEDs

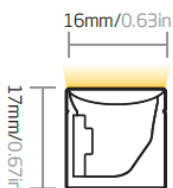


WARNING: Data for Laboratory Test ONLY.
For normal use ONLY bend in vertical direction.

HORIZONTAL BENDING

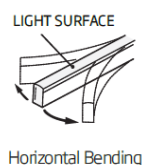


AVERAGE BEAM ANGLE (50%): 110.5°



Min. Bending Diameter
300mm/11.81in

Min. Cutting Length
83.3mm/3.28in
7LEDs



Silicone

Bending-extreme
2234 times

Tensile-instantaneous
>100 kg.f

Twist-extreme
6760 times

WARNING: Data for Laboratory Test ONLY.
For normal use ONLY bend in horizontal direction.

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EXAMPLE SPECIFICATION

71011156-RGB30-W-0833-C0B0

LEDBAR CONTOUR 1617 WHITE IP68, White Silicone Outer Casing, Vertical Bend, 15W/m LEDs, CRI 80+, RGB+ Warm White 3000K at 560mm Cut Length, Double Ended Wiring with Injection Moulded End Caps,

Total Length (+ End Caps) = 843mm, Light Emitting Surface Length = 833mm (10 x 83.3mm LED Modules),
Strip wattage = 10W (10 x 1W Module Power), Strip output = Up to 270lm.

PRODUCT CODE EXAMPLE : 7101 **1 1 5 6** - **RGB30** - W - **0833** - **C0B0**

CASING MATERIAL	SILICONE	PVC
CODE	1	2

BEND DIRECTION	VERTICAL BEND	HORIZONTAL BEND
CODE	1	2

STRIP POWER (W/m)	LED Module length (mm)	Module Power (W)	CODE
15	83.3	0.83	6

COLOUR MIX	CCT (K)	CRI	Lumen Output / Wattage (lm/m)			CODE
			15			
			SILICONE		PVC	
			Vertical	Horizontal	Vertical	
RGB + 2700K	Red	80+	90	85	80	RGB27
	Green		240	220	190	
	Blue		40	35	30	
	2700		240	220	190	
RGB + 3000K	Red		90	85	80	RGB30
	Green		240	220	190	
	Blue		40	35	30	
	3000		240	220	190	
RGB + 4000K	Red		90	85	80	RGB40
	Green		240	220	190	
	Blue		40	35	30	
	4000		240	220	190	

CUT LENGTH	
LED Wattage	15W
Minimum (mm)	83.3
Maximum (mm) (With power from one end)	10,000
CODE (Example with 10 Modules + End Caps)	0833

SEE NEXT PAGE FOR END CODES

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END TERMINATION EXAMPLE SPECIFICATION

71011156-RGB30-W-0833-**COB0**

END1 = IP68 Injection Moulded End Feed Cap with 0.3m Cable

END2 = IP68 Injection Moulded Dead End Cap with NO Cable

PRODUCT CODE EXAMPLE : 71011156 - RGB30 - W - 0833 - **COB0**

END 1 CAP	Cut No Cap	Injection Cap Dead End	Injection Cap End Feed	Injection Cap Rear Feed	Injection Cap Left Feed	Injection Cap Right Feed	BAIL Cap Dead End	BAIL Cap End Entry
CODE	A	B	C	D	E	F	G	H
END 1 CABLE	0 / 0.3m	1m	3m	5m	10m	15m	20m	
CODE	0	1	3	5	10	15	20	
END 2 CAP	Cut No Cap	Injection Cap Dead End	Injection Cap End Entry	Injection Cap Rear Entry	Injection Cap Left Entry	Injection Cap Right Entry	BAIL Cap Dead End	BAIL Cap End Entry
CODE	A	B	C	D	E	F	G	H
END 2 CABLE	0 / 0.3m	1m	3m	5m	10m	15m	20m	
CODE	0	1	3	5	10	15	20	

INJECTION MOULDED IP68 END CAP - UP TO 3M & FACTORY FITTED

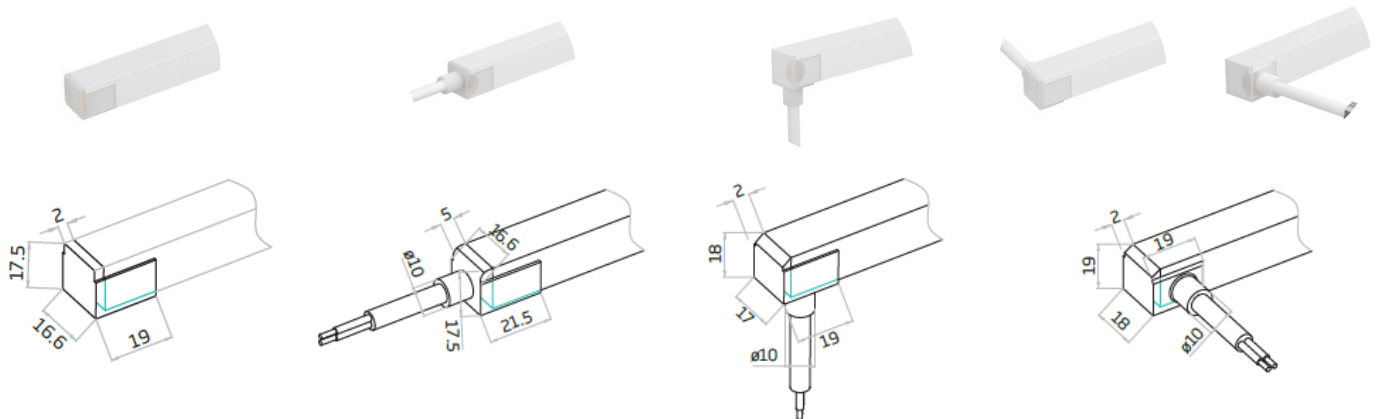
DEAD END - B

END FEED - C

REAR FEED - D

LEFT FEED - E

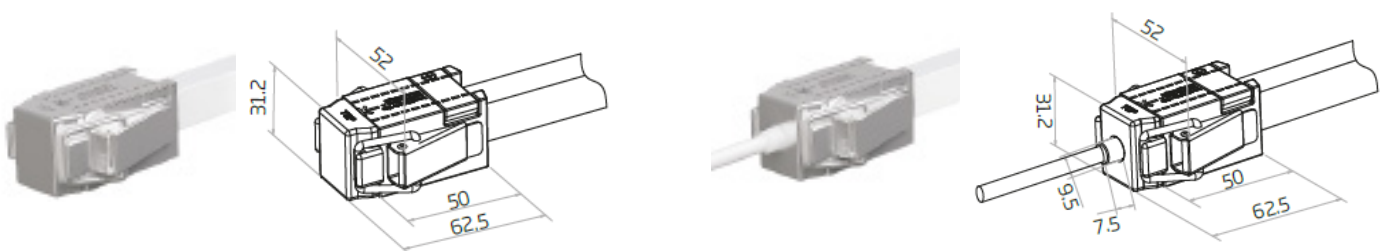
RIGHT FEED - F



BAIL-LATCH IP68 END CAP - UP TO 5M DEPTH & FIELD-ASSEMBLY

DEAD END - G

END FEED - H

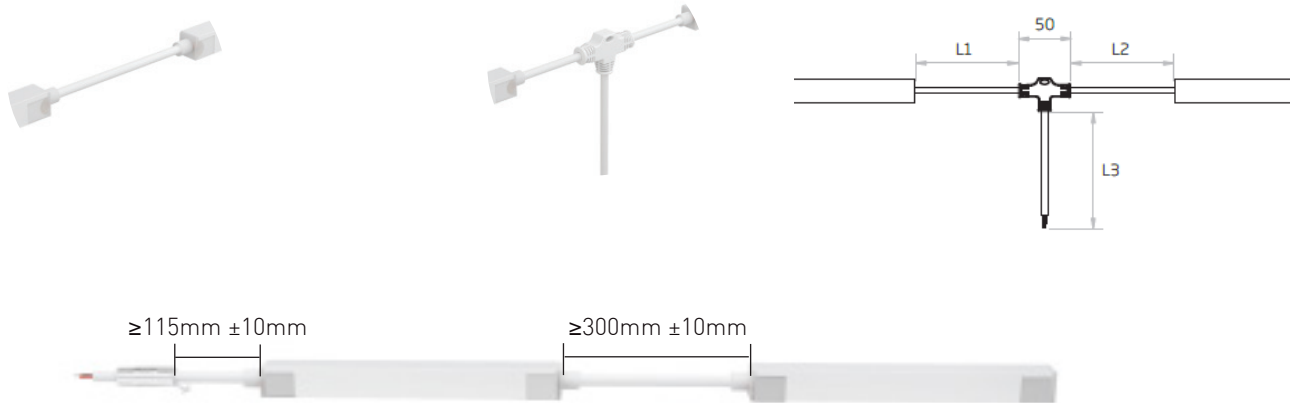


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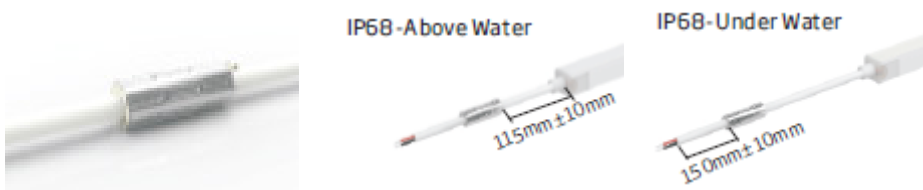
EXAMPLE OF OTHER CABLE CONNECTION OPTIONS - PLEASE ENQUIRE

SILICONE INJECTION
MOULDED JUMPER

SILICONE INJECTION
MOULDED T FEED



ANTI-WICKING FERRULE - STANDARD ON IP68 BARS



The anti-wicking ferrule is designed to lower the risk of water ingress from the cable in case of inadequate waterproof treatment on site.

For underwater application, do not immerse anti-wicking ferrule in the water.

PLUG AND PLAY CABLE CONNECTOR - AVAILABLE ON REQUEST



POWER SUPPLIES AND DIMMERS

A comprehensive range of remote power supplies is available for full LEDBar range.

Constant Voltage: 24Vdc

Dimming options: Switch, Phase, 1-10V, DALI, DMX and Casambi

Exterior and interior versions available

[Please click here for LEDBar Power Supply sheet with full product offering](#)

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MOUNTING PROFILE

XXXX - Specify Length in mm

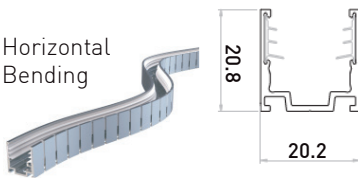
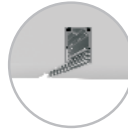
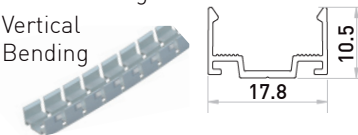
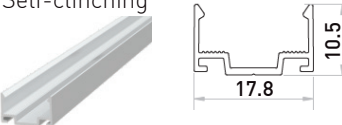
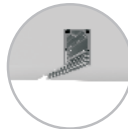
PROFILE TYPE	PART NUMBER	POSSIBLE INSTALLATION					
Underwater Thickened Plastic 	71019101-XXXX Lengths Available 35/500/1000/2000						
Underwater Flexible Anole 	710191*5-XXXX * White = 6 Black = 7 Lengths Available 55/205/475/1000						
Rigid Aluminium 	71019111-XXXX Lengths Available 35/500/1000/2000						
Rigid Aluminium with Flange 	71019112-XXXX Lengths Available 35/500/1000/2000						
Rigid Aluminium + Serrated Rubber In 	71019121-XXXX Lengths Available 20/500/1000/2000						
Rigid Aluminium with Flange + Serrated Rubber Insert 	71019122-XXXX Lengths Available 20/500/1000/2000						

Light Projects specifications are liable to be changed without notice.

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MOUNTING PROFILE

XXXX - Specify Length in mm

PROFILE TYPE	PART NUMBER	POSSIBLE INSTALLATION					
Flexible Aluminium with Serrated Rubber Insert Horizontal Bending 	71019131-XXXX Lengths Available 500/1000						
Flexible Aluminium Self-clinching Vertical Bending 	71019133-XXXX Lengths Available 500/1000						
Rigid Aluminium Self-clinching 	71019141-XXXX Lengths Available 20/500/1000/2000						

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