

7101xx5x LINEARFLOW AQUA RGBW

PRODUCT SUMMARY

LINEARFLOW AQUA 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



NEW SAUNA OPTION AVAILABLE

Ambient
Working
Temperature

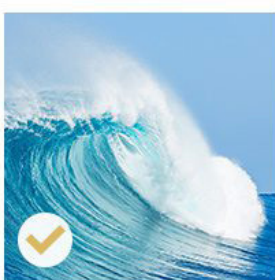
Max
110°C

Ambient
Relative
Humidity

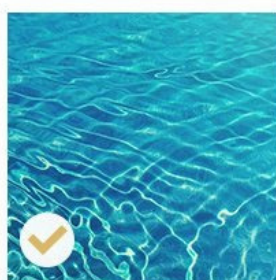
Max
100%



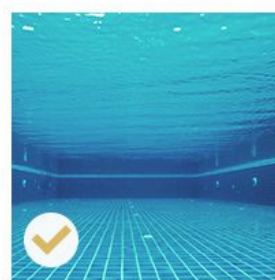
Fresh Water



Salt Water
(Salinity≤4%)



Swimming pool
(Chlorine≤5PPM)



Swimming pool
(Ozone≤0.3PPM)



Hot Spring
(conditions are restricted)

7101xx5x LINEARFLOW AQUA RGBW



Silicone

PVC



5 Year
Warranty



3 Year
Warranty



Solvents
Resistant



UV
Resistant



Flame
Resistant



Salt Water
Resistant



IK10
Protection



ENVIRONMENT

Ambient Working Temperature

Silicone $\leq 6\text{W/m}$ -40~110°C*
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

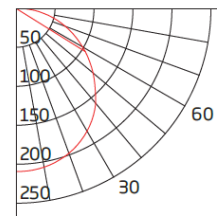
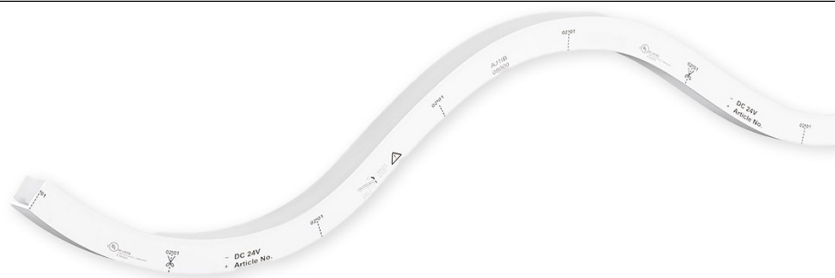
*NEW SAUNA (6W/m Silicone Only)

3 years warranty for max. 95°C
1 year warranty for max. 110°C

Supply Voltage

DC24V

VERTICAL BENDING



UNIT: cd
-C90/270

AVERAGE BEAM ANGLE (50%): 113.2°

Silicone

16mm/0.63in

17mm/0.67in



Bending-extreme
8902 times

Tensile-instantaneous
>100 kg.f

Twist-extreme
5433 times

PVC

Bending-extreme
4457 times

Tensile-instantaneous
45kg.f

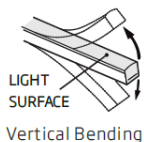
Twist-extreme
6867 times



Min. Bending Diameter
300mm/11.81in

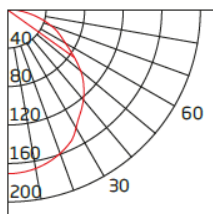


Min. Cutting Length
83.3mm/3.28in
7LEDs



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

HORIZONTAL BENDING



UNIT: cd
-C90/270

AVERAGE BEAM ANGLE (50%): 110.5°

16mm/0.63in

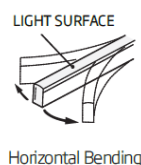
17mm/0.67in



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.

7101xx5x LINEARFLOW AQUA RGBW

EXAMPLE SPECIFICATION

71011156-RGB30-W-0833-C0B0

LINEARFLOW AQUA 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
6	83.3	0.5	1
15	83.3	0.83	6

NEW SAUNA OPTION

COLOUR MIX	CCT (K)	CRI	Lumen Output / Wattage (lm/m)					CODE
			6		15			
			SILICONE		SILICONE		PVC	
			Vertical	Vertical	Vertical	Horizontal	Vertical	
RGB + 2700K	Red	80+	35	25	90	85	80	RGB27
	Green		100	90	240	220	190	
	Blue		15	12	40	35	30	
	2700		65	50	240	220	190	
RGB + 3000K	Red		35	25	90	85	80	RGB30
	Green		100	90	240	220	190	
	Blue		15	12	40	35	30	
	3000		65	50	240	220	190	
RGB + 4000K	Red		35	25	90	85	80	RGB40
	Green		100	90	240	220	190	
	Blue		15	12	40	35	30	
	4000		65	50	240	220	190	

CUT LENGTH		
LED Wattage	6W*	12W
Minimum (mm)	83.3	
Maximum (mm) (With power from one end)	30,000	15,000
CODE (Example with 10 Modules + End Caps)	0833	

* 10,000mm Max Length for Sauna Use

SEE NEXT PAGE FOR END CODES

7101xx5x LINEARFLOW AQUA RGBW

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

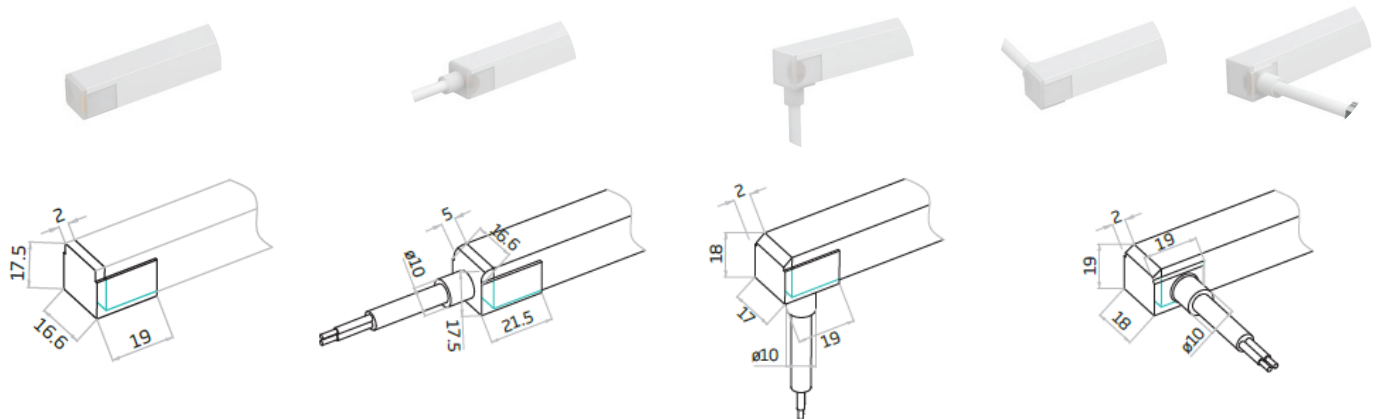
DEAD END - B

END FEED - C

REAR FEED - D

LEFT FEED - E

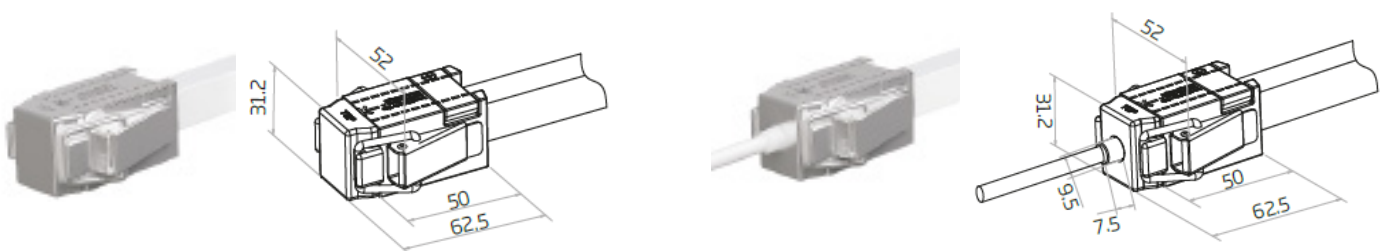
RIGHT FEED - F



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

DEAD END - G

END FEED - H

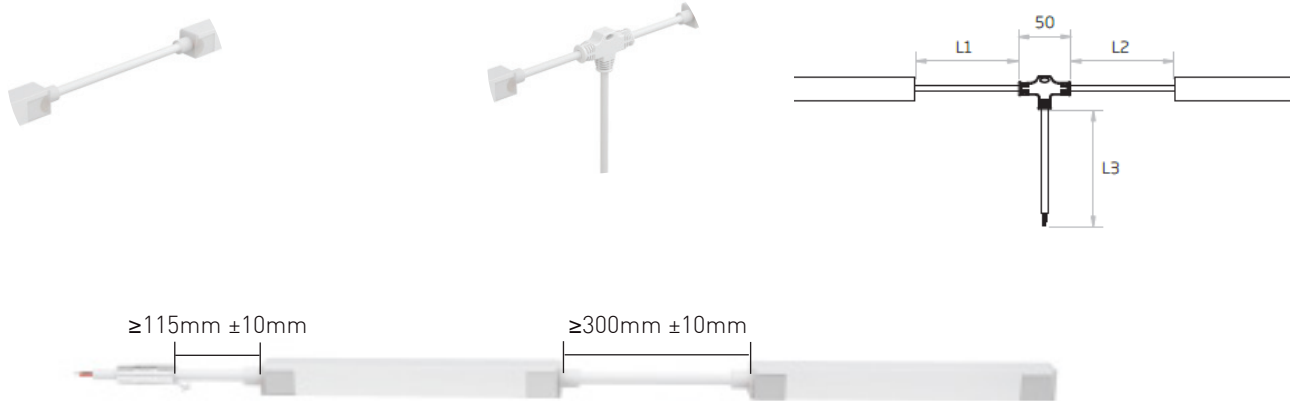


7101xx5x LINEARFLOW AQUA RGBW

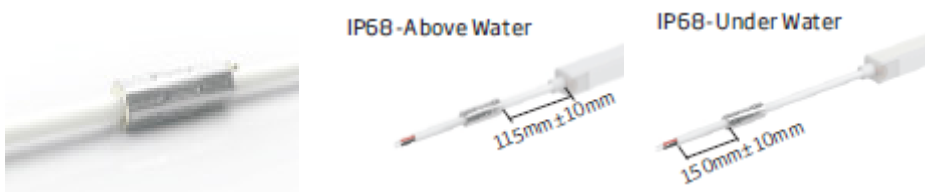
EXAMPLE OF OTHER CABLE CONNECTION OPTIONS - PLEASE ENQUIRE

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](#)

7101xx5x LINEARFLOW AQUA RGBW

MOUNTING PROFILE

XXXX - Specify Length in mm

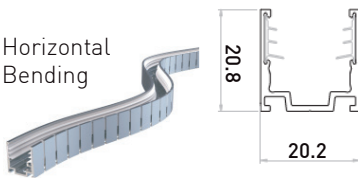
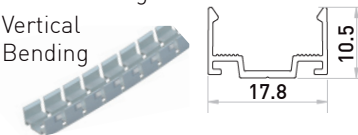
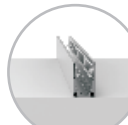
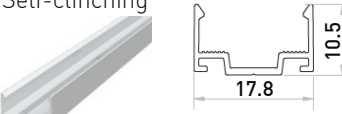
PROFILE TYPE	PART NUMBER	POSSIBLE INSTALLATION					
Underwater Thickened Plastic 	71019101-XXXX Lengths Available 35/500/1000/2000						
Underwater Flexible Anole 	710191*5-XXXX * White = 6 Black = 7 Lengths Available 55/205/475/1000						
Rigid Aluminium 	71019111-XXXX Lengths Available 35/500/1000/2000						
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.

7101xx5x LINEARFLOW AQUA RGBW

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						

Light Projects specifications are liable to be changed without notice.