

7101xx3x LINEARFLOW AQUA DYNAMIC WHITE

PRODUCT SUMMARY

LINEARFLOW AQUA DYNAMIC WHITE is tunable from 2200K to 5700K to provide a continuous flexible LED strip in just the right tone of light to set to the mood in dynamic architecture.

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.

Single length of up to 20m can be powered from one end, minimising joins and control gear locations.

DYNAMIC WHITE



2200K-5700K

NEW SAUNA OPTION AVAILABLE

Ambient
Working
Temperature

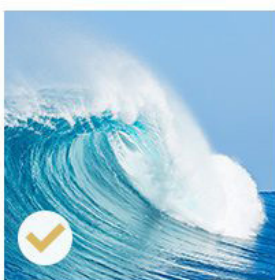
Max
110°C

Ambient
Relative
Humidity

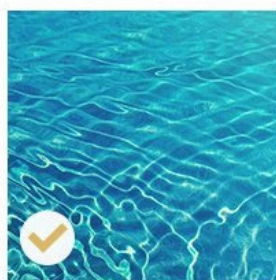
Max
100%



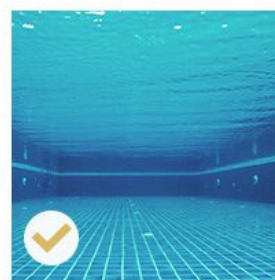
Fresh Water



Salt Water
(Salinity≤4%)



Swimming pool
(Chlorine≤5PPM)



Swimming pool
(Ozone≤0.3PPM)



Hot Spring
(conditions are restricted)

7101xx3x LINEARFLOW AQUA DYNAMIC WHITE



Silicone

PVC



5 Year
Warranty



3 Year
Warranty



Solvents
Resistant



UV
Resistant



Flame
Resistant



Salt Water
Resistant



IK10
Protection



ENVIRONMENT

Ambient Working Temperature

Silicone PVC
 $\leq 6\text{W/m}$ $-40\sim 110^{\circ}\text{C}^*$ 12W/m $-20\sim 45^{\circ}\text{C}$
 12W/m $-40\sim 55^{\circ}\text{C}$

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 $< 2\text{ppm}$. Use PVC Casing if Chlorine $> 2\text{ppm}$

COLOURS AVAILABLE



2200K-5700K

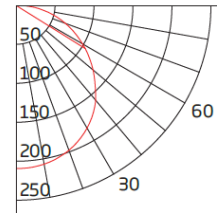
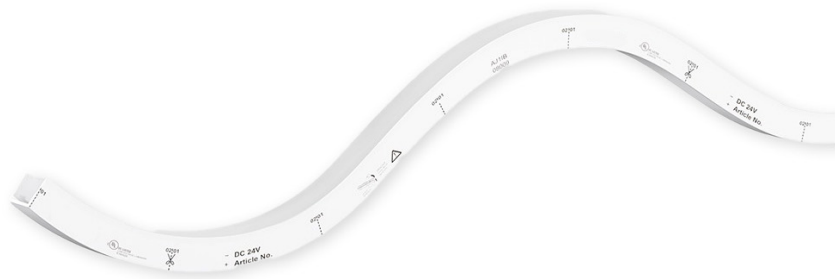
*NEW SAUNA (6W/m Silicone Only)

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

Supply Voltage

DC24V

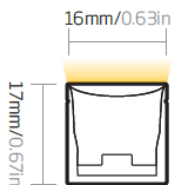
VERTICAL BENDING



UNIT: cd
 -C90/270

AVERAGE BEAM ANGLE (50%): 113.2°

Silicone



Bending-extreme
7072 times

Tensile-instantaneous
 $> 100\text{ kg.f}$

Twist-extreme
14441 times

PVC

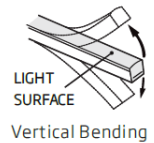
Bending-extreme
5000 times

Tensile-instantaneous
52 kg.f

Twist-extreme
6131 times

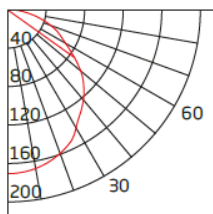
Min. Bending Diameter
300mm/11.81in

Min. Cutting Length
83.3mm/3.28in
12LEDs



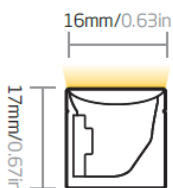
WARNING: Data for Laboratory Test ONLY.
 For normal use ONLY bend in vertical direction.

HORIZONTAL BENDING



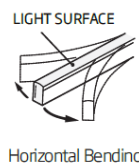
UNIT: cd
 -C90/270

AVERAGE BEAM ANGLE (50%): 110.5°



Min. Bending Diameter
300mm/11.81in

Min. Cutting Length
83.3mm/3.28in
12LEDs



Silicone

Bending-extreme
6459 times

Tensile-instantaneous
 $> 100\text{ kg.f}$

Twist-extreme
7094 times

PVC

Bending-extreme
4698 times

Tensile-instantaneous
52 kg.f

Twist-extreme
9116 times

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

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EXAMPLE SPECIFICATION

71011135-2257-W-0833-C0B0

LINEARFLOW AQUA DYNAMIC WHITE IP68, White Silicone Outer Casing, Vertical Bend, 12W/m LEDs, CRI 80+ 2200K-5700K at 833mm Cut Length, Single Ended Wiring with Injection Moulded End Caps,
 END1 = IP68 Injection Moulded End Feed Cap with 0.3m Cable
 END2 = IP68 Injection Moulded Dead End Cap with NO Cable

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 3 5 - 2257 - W - 0833 - C 0 B 0

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
12	83.3	1	5

COLOUR MIX	CCT (K)	CRI	Lumen Output / Wattage (lm/m)						CODE
			6		12				
			SILICONE		SILICONE		PVC		
			Vertical	Horizontal	Vertical	Horizontal	Vertical	Horizontal	
2200K-5700K	2200	80+	120	100	220	220	180	180	2257
	5700		130	120	270	270	180	180	

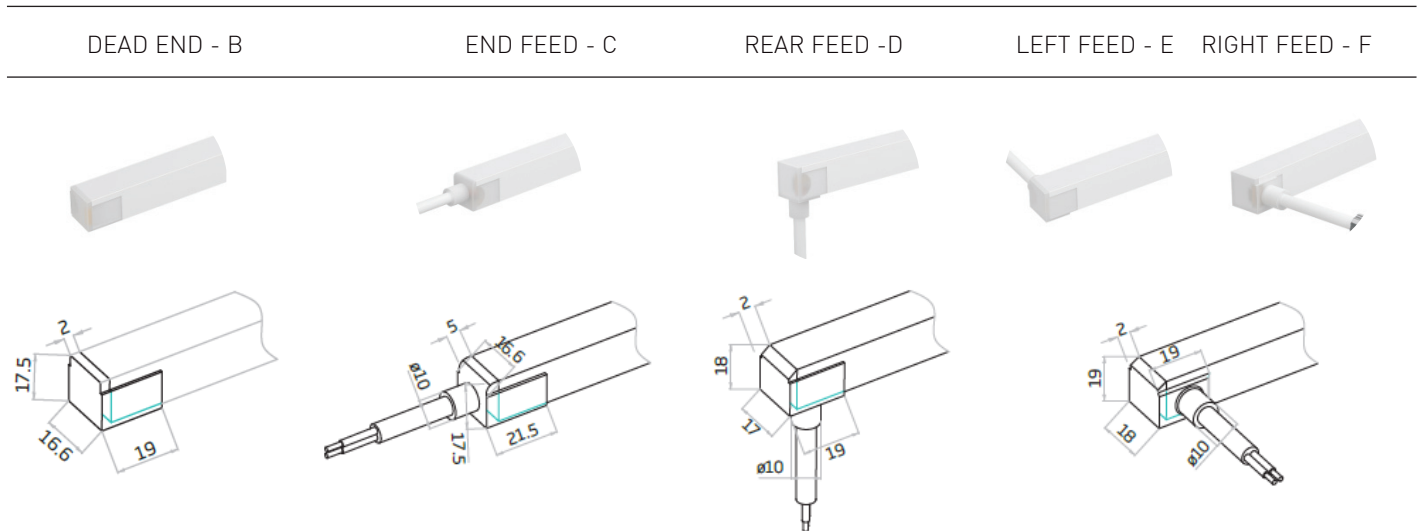
CUT LENGTH		
LED Wattage	6W*	12W
Minimum (mm)	83.3	
Maximum (mm) (With power from one end)	30,000	15,000
CODE (Example with 10 Modules + End Caps)	0833	

* 10,000mm Max Length for Sauna Use

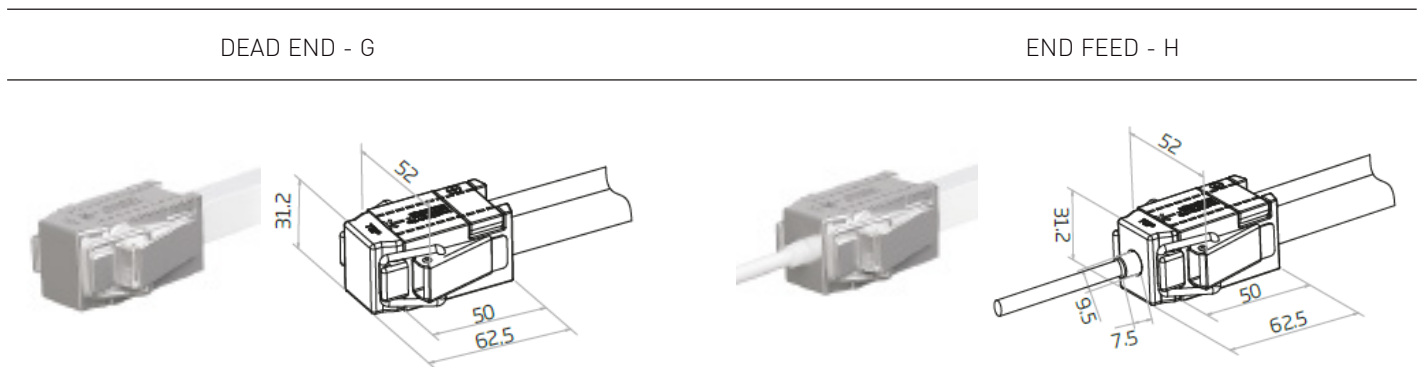
END 1 CAP	Cut No Cap	Injection Cap Dead End	Injection Cap End Feed	Injection Cap Rear Feed	Injection Cap Left Feed	Injection Cap Right Feed	BAIL Cap Dead End	BAIL Cap End Entry
CODE	A	B	C	D	E	F	G	H
END 1 CABLE	0 / 0.3m	1m	3m	5m	10m	15m	20m	
CODE	0	1	3	5	10	15	20	
END 2 CAP	Cut No Cap	Injection Cap Dead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

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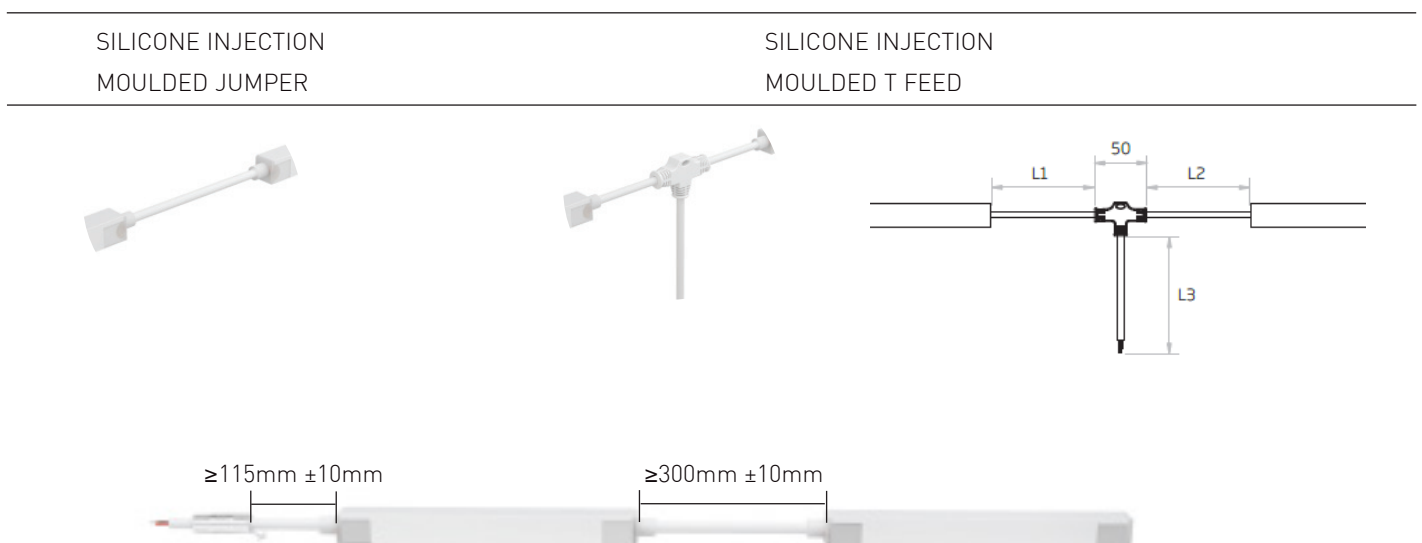
INJECTION MOULDED IP68 END CAP - UP TO 3M DEPTH & FACTORY FITTED



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

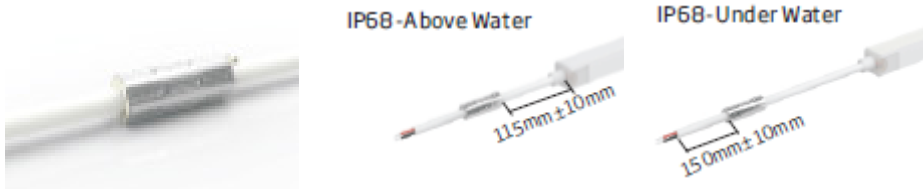


EXAMPLE OF OTHER CABLE CONNECTION OPTIONS - PLEASE ENQUIRE



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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

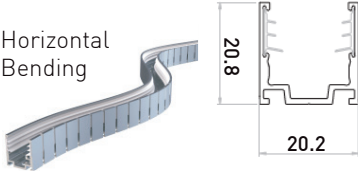
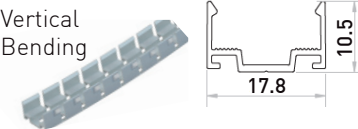
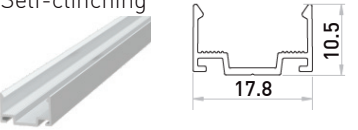
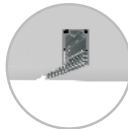
PROFILE TYPE	PART NUMBER	POSSIBLE INSTALLATION					
Underwater Thickened Plastic 	71019101-XXXX Lengths Available 35/500/1000/2000						
Underwater Flexible Anole 	710191*5-XXXX * White = 6 Black = 7 Lengths Available 55/205/475/1000						
Rigid Aluminium 	71019111-XXXX Lengths Available 35/500/1000/2000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