

7101xx1x LINEARFLOW AQUA WHITE

PRODUCT SUMMARY

LINEARFLOW AQUA WHITE - This Flexible LED strip is ideal for architectural detailing to produce continuous lines of white light in a wide range of colour temperatures and intensities.

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.

With four power options (6W/m, 9W/m, 12W/m and 15W/m), three CRI choices (Ra 80 to 95+) and up to 850 lm/m, there is a solution for any installation.

MONOCHROME



2200K



2700K



3000K



3500K



4000K



5700K

NEW SAUNA OPTION AVAILABLE

Ambient
Working
Temperature

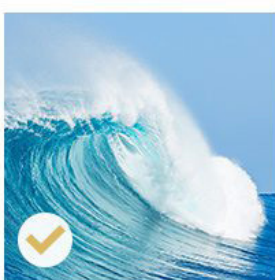
Max
110°C

Ambient
Relative
Humidity

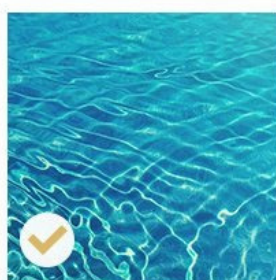
Max
100%



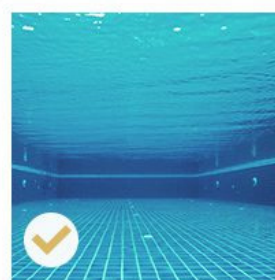
Fresh Water



Salt Water
(Salinity≤4%)



Swimming pool
(Chlorine≤5PPM)



Swimming pool
(Ozone≤0.3PPM)



Hot Spring
(conditions are restricted)

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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

$\leq 6\text{W/m}$ -40~110°C*

9W/m -40~60°C

12W/m -40~55°C

15W/m -40~45°C

PVC

$\leq 6\text{W/m}$ -20~55°C

9W/m -20~50°C

12W/m -20~45°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



2200K



2700K



3000K



3500K



4000K



5700K

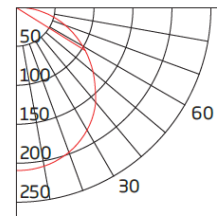
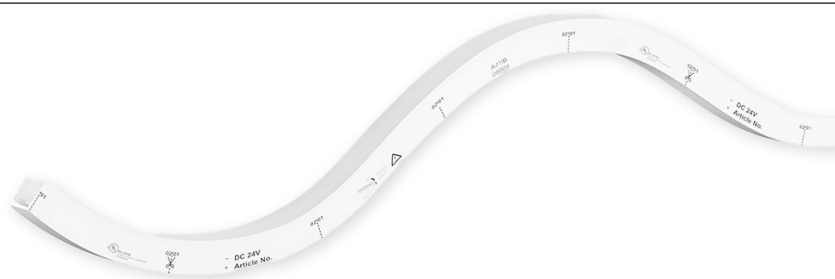
*NEW SAUNA (6W/m Silicone Only)

3 years warranty for max. 95°C

1 year warranty for max. 110°C

Supply Voltage
DC24V

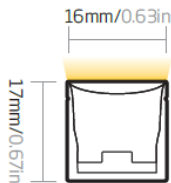
VERTICAL BENDING



UNIT: cd
-C90/270

AVERAGE BEAM ANGLE (50%): 113.2°

Silicone



Bending-extreme
2044 times

Tensile-instantaneous
>100 kg.f

Twist-extreme
4374 times

PVC

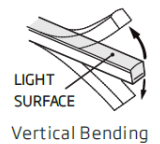
Bending-extreme
3410times

Tensile-instantaneous
83 kg.f

Twist-extreme
3828 times

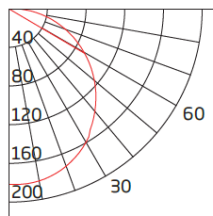
Min. Bending Diameter
300mm/11.81in

Min. Cutting Length
55.6mm/2.19in
6LEDs

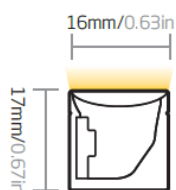


WARNING: Data for Laboratory Test ONLY.
For normal use ONLY bend in vertical direction.

HORIZONTAL BENDING

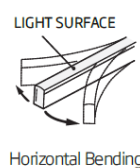


AVERAGE BEAM ANGLE (50%): 112.3°



Min. Bending Diameter
300mm/11.81in

Min. Cutting Length
55.6mm/2.19in
6LEDs



Silicone

Bending-extreme
2044 times

Tensile-instantaneous
>100 kg.f

Twist-extreme
5514 times

PVC

Bending-extreme
4131 times

Tensile-instantaneous
95 kg.f

Twist-extreme
4169 times

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

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EXAMPLE SPECIFICATION

71011116-8030-W-0560-C0B0

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

Total Length (+ End Caps) = 570mm, Light Emitting Surface Length = 560mm (10 x 55.6mm LED Modules), Strip wattage = 8.3W (10 x 0.83 Module Power), Strip output = Up to 700lm.

PRODUCT CODE EXAMPLE : 7101 1 1 6 - 8030 - W - 0560 - 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	55.6	0.33	1	NEW SAUNA OPTION
9	55.6	0.5	3	
12*	55.6	0.66	5	
15	55.6	0.83	6	

* 90+ and 95+ CRI only available in 12W

LUMEN OUTPUT FOR SILICONE CASING - SEE NEXT PAGE FOR PVC DATA

COLOUR MIX	CCT (K)	CRI	Lumen Output / Wattage (lm/m)								CODE
			6		9		12		15		
			Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	
Extra Warm White	2200	80+	330	230	340	285	450	380	600	500	8022
Incandescent White	2700		350	260	420	350	565	470	700	600	8027
Warm White	3000		350	260	420	350	565	470	700	600	8030
Neutral White	3500		350	260	440	360	580	480	800	700	8035
Cool White	4000		350	260	440	360	580	480	800	700	8040
Natural White	5700		350	260	440	260	580	480	800	700	8057
Incandescent White	2700	90+	NA	NA	NA	NA	480	480	NA	NA	9027
Warm White	3000		NA	NA	NA	NA	480	480	NA	NA	9030
Neutral White	3500		NA	NA	NA	NA	500	500	NA	NA	9035
Cool White	4000		NA	NA	NA	NA	500	500	NA	NA	9040
Warm White	3000	95+	NA	NA	NA	NA	400	400	NA	NA	9530

CUT LENGTH				
LED Wattage	6W*	9W	12W	15W
Minimum (mm)	55.6			
Maximum (mm) (With power from one end)	30,000	18,000	15,000	10,000
CODE (Example with 10 Modules + End Caps)	0560			

* 10,000mm Max Length for Sauna Use

SEE NEXT PAGE FOR END CODES

Light Projects specifications are liable to be changed without notice.

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END TERMINATION EXAMPLE SPECIFICATION

71011016-8030-W-0560-**COBO**

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

END2 = IP68 Injection Moulded Dead End Cap with NO Cable

PRODUCT CODE EXAMPLE : 71011016 - 8030 - W - 0560 - **COBO**

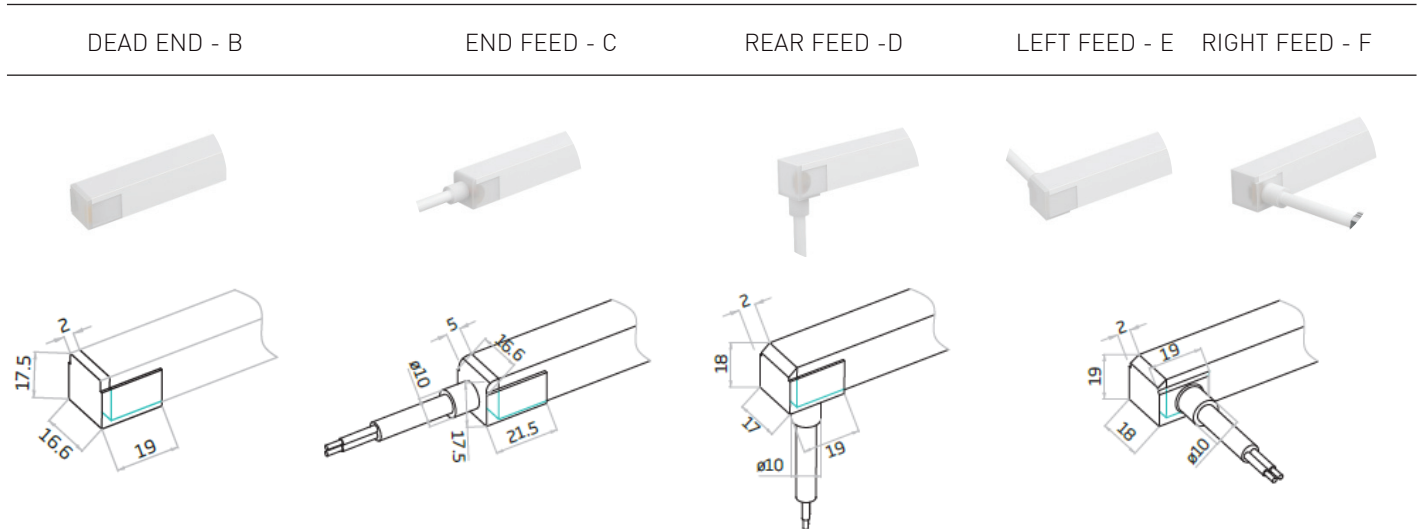
END 1 CAP	Cut No Cap	Injection Cap Dead End	Injection Cap End Feed	Injection Cap Rear Feed	Injection Cap Left Feed	Injection Cap Right Feed	BAIL Cap Dead End	BAIL Cap End Entry
CODE	A	B	C	D	E	F	G	H
END 1 CABLE	0 / 0.3m	1m	3m	5m	10m	15m	20m	
CODE	0	1	3	5	10	15	20	
END 2 CAP	Cut No Cap	Injection Cap Dead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

LUMEN OUTPUT FOR PVC CASING

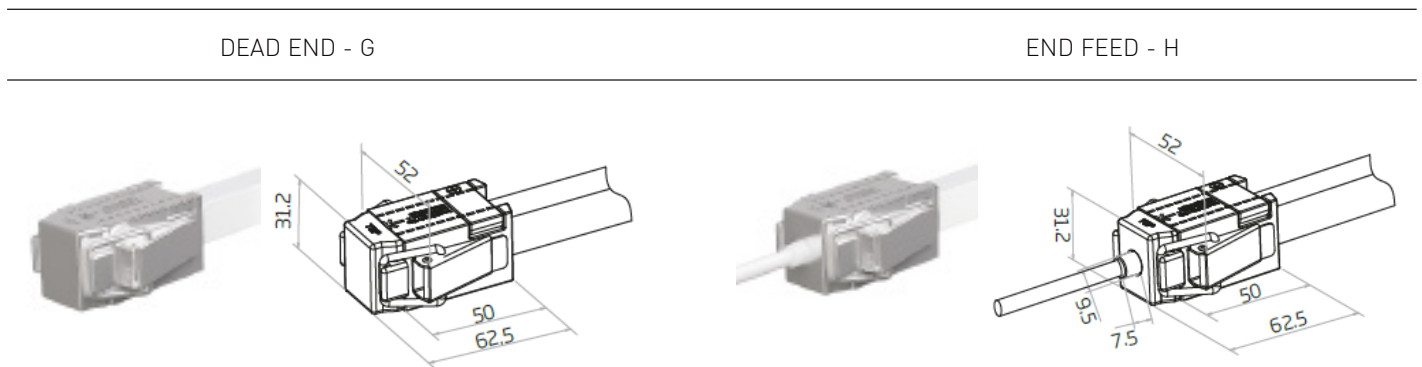
COLOUR MIX	CCT (K)	CRI	Lumen Output / Wattage (lm/m)						CODE
			6		9		12		
			Vert	Horiz	Vert	Horiz	Vert	Horiz	
Extra Warm White	2200	80+	210	200	315	300	420	400	8022
Incandescent White	2700		210	200	315	300	420	400	8027
Warm White	3000		210	200	315	300	420	400	8030
Neutral White	3500		240	225	360	340	480	450	8035
Cool White	4000		240	225	360	340	480	450	8040
Natural White	5700		225	200	315	300	450	400	8057
Incandescent White	2700	90+	NA	NA	NA	NA	350	340	9027
Warm White	3000		NA	NA	NA	NA	350	340	9030
Neutral White	3500		NA	NA	NA	NA	400	380	9035
Cool White	4000		NA	NA	NA	NA	400	380	9040
Warm White	3000	95+	NA	NA	NA	NA	320	300	9530

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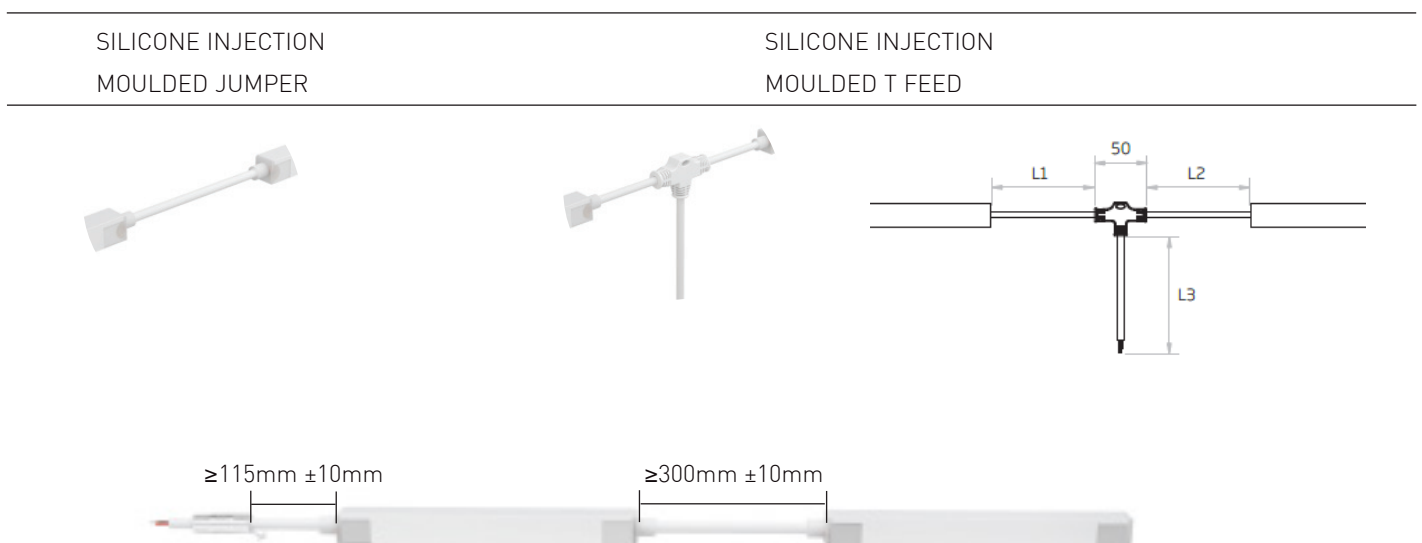
INJECTION MOULDED IP68 END CAP - UP TO 3M DEPTH & FACTORY FITTED



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



IP68 - Above Water



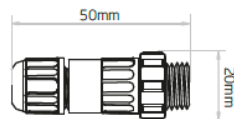
IP68 - Under Water



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

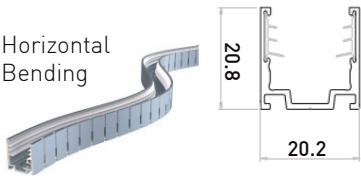
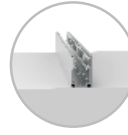
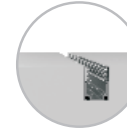
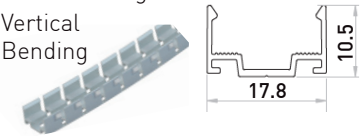
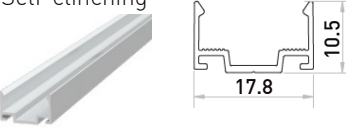
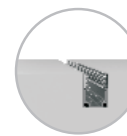
PROFILE TYPE	PART NUMBER	POSSIBLE INSTALLATION					
Underwater Thickened Plastic 	71019101-XXXX Lengths Available 35/500/1000/2000						
Underwater Flexible Anole 	710191*5-XXXX * White = 6 Black = 7 Lengths Available 55/205/475/1000						
Rigid Aluminium 	71019111-XXXX Lengths Available 35/500/1000/2000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

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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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