



SAUNA LED FLEX LINEAR LIGHT

Silicone

Ambient
Working
Temperature

Max.

90°C

Ambient
Relative
Humidity

Max.

100%

Lumen
Output

Max.

450
lm/m

Warranty

3
years



2200K



2700K



3000K



3500K



4000K



5700K

Rated Power: 6W/m

IP Rating: IP67

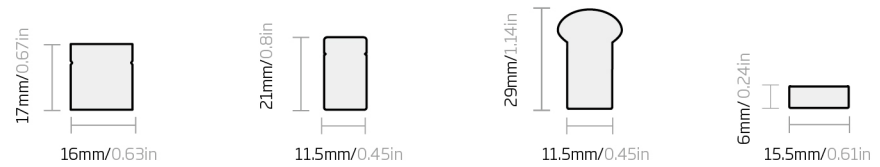
Features:

1. Safe & Reliable. Adopt built-in constant current design to control temperature rise, no need extra protection shade against high temperature.
2. Versatile Installation. Indirect or direct lighting, horizontal or vertical bending.
3. Ready & Convenient for Installation. Factory-assembled connector, integrated to the light body by machine.
4. Standard or Bespoke Lengths. Max. 10m per piece and min. 55mm increment.
5. Ideal Lighting Continuity. Even spliced by multiple pieces of LED flex.
6. Much Lower User & Maintenance Cost. Compared with traditional sauna light fixtures prevailing in light efficiency, lifespan, and accommodation.

Applicable to:
High temperature and humidity environ-
ments such as Dry Sauna, Wet Sauna,
Steam Room, SPA, etc.

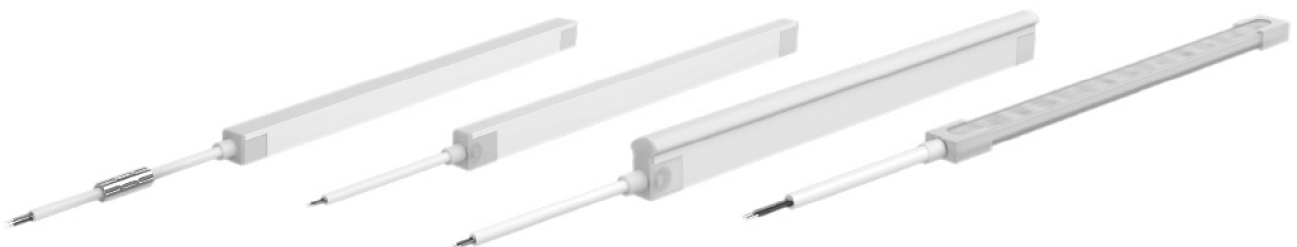
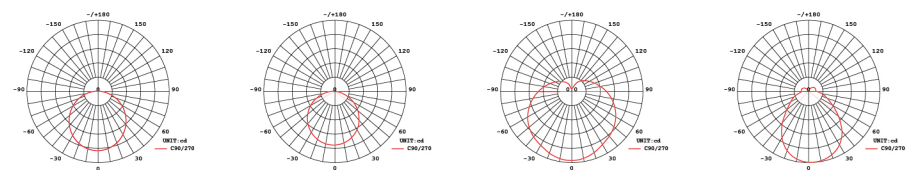


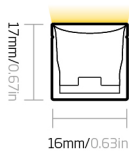
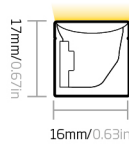
Dimension

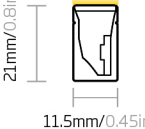


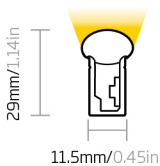
Bending Direction	HB/VB	HB	HB	VB
Voltage (V)	24	24	24	24
Current (mA/m)	250	250	250	250
Power (W/m)	6	6	6	6
Circuit Type	CC	CC	CC	CC
LED Type	2835	2835	2835	2835
LEDs Qty/m	108	72	72	36
LEDs Qty/unit	6	6	6	6
Unit/m	18	12	12	6
Min. Cutting Length (mm)	55.6	83.3	83.3	166.67
Min. Cutting Length (in)	2.19	3.28	3.28	6.56
Min. Bending Diameter (mm)	300	120	120	50
Max. Running Length (mm)	10,000	10,000	10,000	10,000

Distribution Curve



Dimension	Finished Product						LED	
	CCT	CCT Tolerance	Color Tolerance	CRI	Lumen/m	Lumen/ft	Color Tolerance	CRI
	● 2200K	2238±66K	<5SDCM	80	225lm	69lm	<2.3SDCM	82~87
	● 2700K	2725±85K	<5SDCM	80	280lm	85lm	<2.3SDCM	82~87
	● 3000K	3045±105K	<5SDCM	80	280lm	85lm	<2.3SDCM	82~87
	● 3500K	3465±245K	<5SDCM	80	290lm	88lm	<2.3SDCM	82~87
	● 4000K	3985±150K	<5SDCM	80	290lm	88lm	<2.3SDCM	82~87
	● 5700K	5669±305K	<5SDCM	80	290lm	88lm	<2.3SDCM	82~87
	● 2200K	2238±66K	<5SDCM	80	190lm	58lm	<2.3SDCM	82~87
	● 2700K	2725±85K	<5SDCM	80	235lm	72lm	<2.3SDCM	82~87
	● 3000K	3045±105K	<5SDCM	80	235lm	72lm	<2.3SDCM	82~87
	● 3500K	3465±245K	<5SDCM	80	240lm	73lm	<2.3SDCM	82~87
	● 4000K	3985±150K	<5SDCM	80	240lm	73lm	<2.3SDCM	82~87
	● 5700K	5669±305K	<5SDCM	80	240lm	73lm	<2.3SDCM	82~87

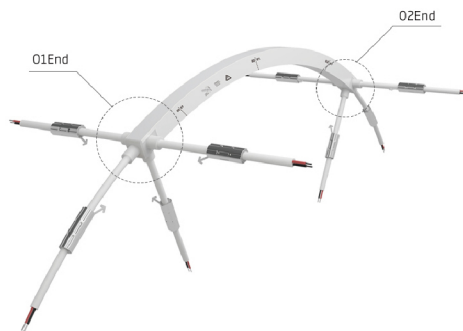
Dimension	Finished Product						LED		
	CCT	CCT Tolerance	Color Tolerance	CRI	R9	Lumen/m	Lumen/ft	Color Tolerance	CRI
	● 2200K	2238±66K	<5SDCM	80		160lm	49lm	<2.3SDCM	82~87
	● 2700K	2725±85K	<5SDCM	80		180lm	55lm	<2.3SDCM	82~87
	● 3000K	3045±105K	<5SDCM	80		200lm	61lm	<2.3SDCM	82~87
	● 3500K	3465±245K	<5SDCM	80		200lm	61lm	<2.3SDCM	82~87
	● 4000K	3985±150K	<5SDCM	80		200lm	61lm	<2.3SDCM	82~87
	● 5700K	5669±305K	<5SDCM	80		200lm	61lm	<2.3SDCM	82~87

Dimension	Finished Product							LED	
	CCT	CCT Tolerance	Color Tolerance	CRI	R9	Lumen/m	Lumen/ft	Color Tolerance	CRI
	 2200K	2238±66K	<5SDCM	80		190lm	58lm	<2.3SDCM	82 ~ 87
	 2700K	2725±85K	<5SDCM	80		235lm	72lm	<2.3SDCM	82 ~ 87
	 3000K	3045±105K	<5SDCM	80		235lm	72lm	<2.3SDCM	82 ~ 87
	 3500K	3465±245K	<5SDCM	80		235lm	72lm	<2.3SDCM	82 ~ 87
	 4000K	3985±150K	<5SDCM	80		235lm	72lm	<2.3SDCM	82 ~ 87
	 5700K	5669±305K	<5SDCM	80		235lm	72lm	<2.3SDCM	82 ~ 87

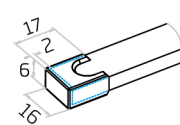
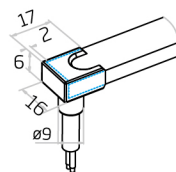
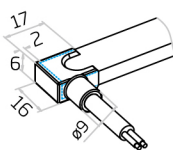
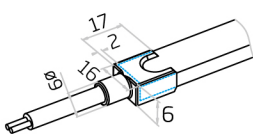
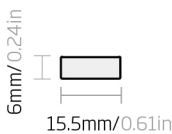
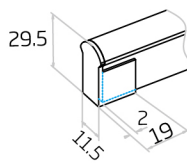
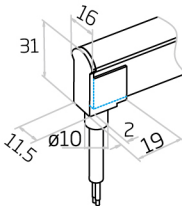
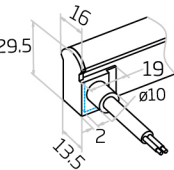
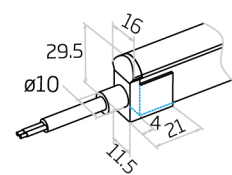
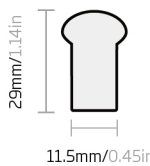
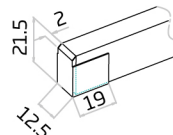
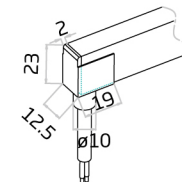
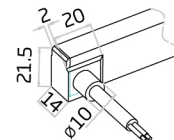
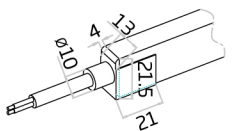
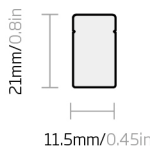
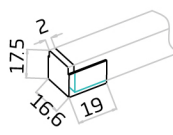
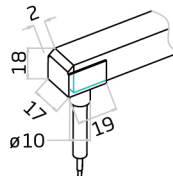
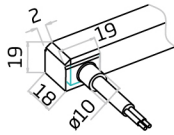
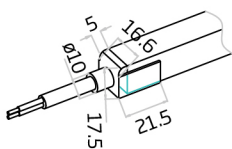
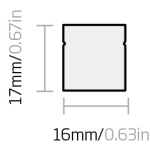
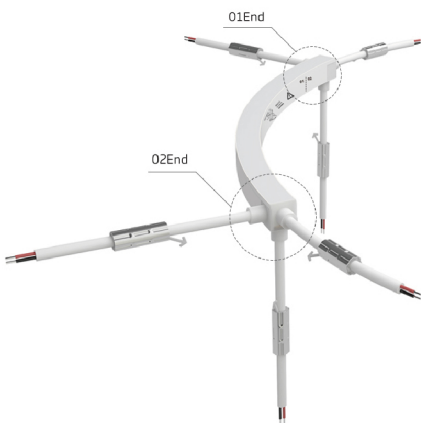
Dimension		Finished Product						LED	
		CCT	CCT Tolerance	Color Tolerance	CRI	R9	Lumen/m	Lumen/ft	Color Tolerance
6mm/0.24in  15.5mm/0.61in	 2200K	2238±66K	<5SDCM	80		350lm	107lm	<2.3SDCM	82~87
	 2700K	2725±85K	<5SDCM	80		400lm	122lm	<2.3SDCM	82~87
	 3000K	3045±105K	<5SDCM	80		450lm	137lm	<2.3SDCM	82~87
	 3500K	3465±245K	<5SDCM	80		450lm	137lm	<2.3SDCM	82~87
	 4000K	3985±150K	<5SDCM	80		450lm	137lm	<2.3SDCM	82~87
	 5700K	5669±305K	<5SDCM	80		450lm	137lm	<2.3SDCM	82~87
	 6500K	6532±340K	<5SDCM	80		450lm	137lm	<2.3SDCM	82~87
	 2700K	2725±85K	<5SDCM	90	35~80	320lm	98lm	<2.3SDCM	91~97
	 3000K	3045±105K	<5SDCM	90	35~80	360lm	110lm	<2.3SDCM	91~97
	 3500K	3465±245K	<5SDCM	90	35~80	360lm	110lm	<2.3SDCM	91~97
	 4000K	3985±150K	<5SDCM	90	35~80	360lm	110lm	<2.3SDCM	91~97
	 3000K	3045±175K	<5SDCM	95	80~99	310lm	95lm	<2.3SDCM	96~99

Silicone Injection-moulded Connector (mm)

Vertical Bending

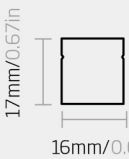
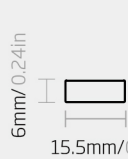
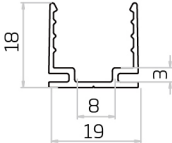
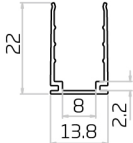
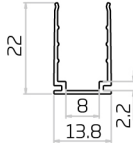
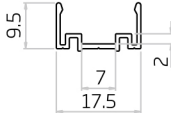
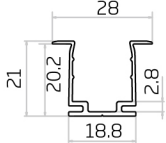
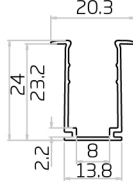
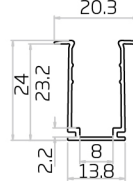
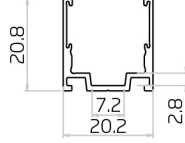
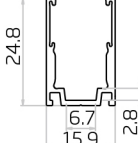
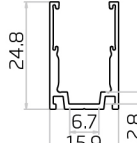
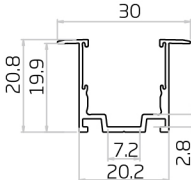
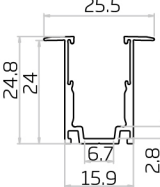
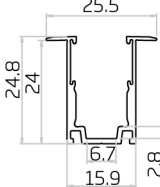
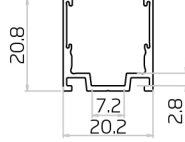
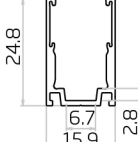
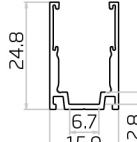
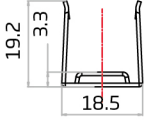
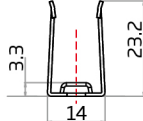
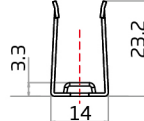


Horizontal Bending



Note:
 1.Unless otherwise stated, the tolerance of the connector is ±0.5mm;
 2.To avoid damage from the excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.

Mounting Profile

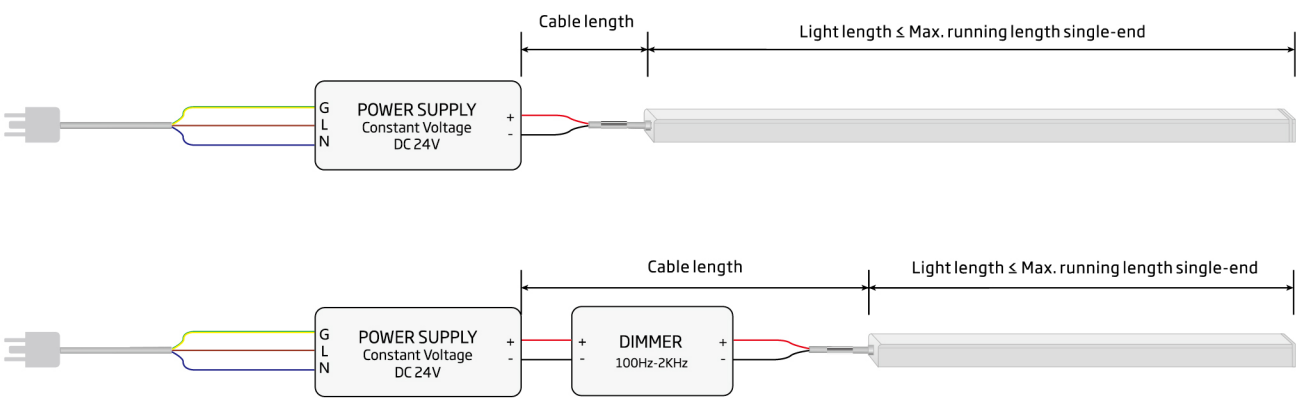
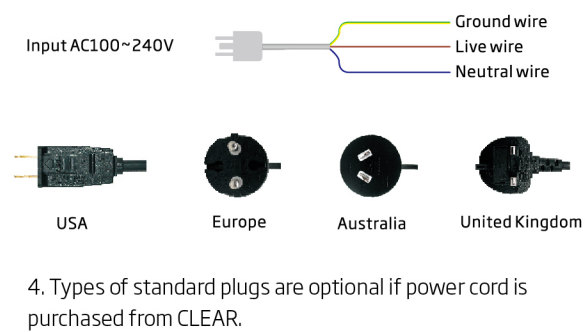
Type				
Aluminum Profile   				
Available Length: 35mm 500mm 1000mm 2000mm				
Flange Aluminum Profile  				
Available Length: 35mm 500mm 1000mm 2000mm				
Serrated Aluminum Profile       				
Available Length: 20mm 500mm 1000mm 2000mm				
Flange Serrated Aluminum Profile    				
Available Length: 20mm 500mm 1000mm 2000mm				
Bendable Serrated Aluminum Profile       				
Available Length: 500mm 1000mm				
Stainless Steel Profile       				
Available Length: 35mm				
Note: 1. Unless otherwise stated, the tolerance of the mounting profile is $\pm 0.2\text{mm}$; 2. It's not recommended to install the light repeatedly, otherwise the light inside might be damaged.				

Wiring Diagram

1. Please use a constant voltage power supply with corresponding output voltage, and rated wattage of the power supply shall be 25% more than the actual power consumption of light to increase its life expectancy;

2. This wiring diagram is using the mains of AC230V with brown and blue wires as an example, and please connect with the corresponding live and neutral wires for other mains electricity;

3. Dimming frequency ranges from 100Hz to 2000Hz, and 500Hz is recommended.



Light Length:

The length of the longest single light in parallel connection or sum of lights in series connection.

Cable Length:

The length of an electrical cable between power output end and light input end, and the cables for serial interconnection are inclusive.

How to Minimize Voltage Drop

1. Please ensure the cable length is not more than the table "Max. Cable Length" according to light length and its wire gauge.

2. Please ensure the light length is less than the cable "Max. Running Length Single-end Feed".

Max. Cable Length (Silicone)

Input: DC24V

Light Length (m)	Max. Cable Length									
	0.32 mm ²		0.52 mm ²		0.81 mm ²		1.32 mm ²		2.07 mm ²	
	22AWG		20AWG		18AWG		16AWG		14AWG	
	m	ft	m	ft	m	ft	m	ft	m	ft
1	84.0	275.5	137.0	449.4	214.0	701.9	349.0	1144.7	547.0	1794.2
2	42.0	137.8	68.5	224.7	107.0	351.0	174.5	572.4	273.5	897.1
3	24.5	80.4	45.6	149.6	71.0	232.9	116.0	380.5	182.0	597.0
4	21.0	68.9	34.0	111.5	53.5	175.5	87.0	285.4	136.5	447.7
5	17.0	55.8	27.0	88.6	42.5	139.4	70.0	229.6	109.0	357.5
6	14.0	45.9	23.0	75.4	35.6	116.8	54.5	178.8	91.0	298.5
7	12.0	39.4	19.5	64.0	30.5	100.0	50.0	164.0	78.0	255.8
8	10.0	32.8	17.0	55.8	26.5	86.9	43.5	142.7	68.0	223.0
9	9.0	29.5	15.0	49.2	23.5	77.1	38.5	126.3	60.5	198.4
10	8.0	26.2	13.5	44.3	21.0	68.9	35.0	114.8	54.5	178.8