

# LEDLINE SAUNA 1617S WHT

Outdoor · Side Bending

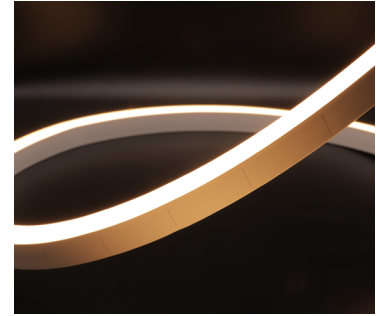
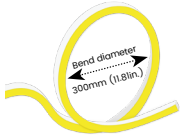
## Features

- Heat resistant with smooth diffusion, designed for high end saunas
- IP68 rated, ideal for outdoor uses, not for underwater project
- 3 years warranty

## Applications

Saunas, hot springs, bathhouse, resorts, etc.

## Bending Directions & Diameters



Date

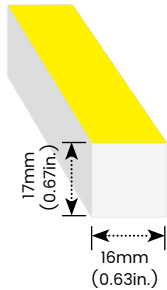
Fixture type

Project name

Project phase



## Dimensions



## Order Code

## Assembly Builder

Model	Bend Direction	Voltage	CCT	Power	Left Feed Entry			
SAUNA1617	S-Side bending	24V-DC24V	927-RA90 2700K	060-6W/M	F	Front	OW	Open wire 30cm(0.98ft)
			930-RA90 3000K		B	Bottom	MC	Male connector with 30cm(0.98ft) cable
			940-RA90 4000K		S	Side	FC	Female connector with 30cm(0.98ft)cable
					C	Closed	NA	Only for Closed Feed Entry

## Assembly Builder

## Mounting Order Code

Right Feed Entry				Length	
F	Front	OW	Open wire 30cm(0.98ft)	<b>Max. nominal</b>	10m (32.8ft)
B	Bottom	MC	Male connector with 30cm(0.98ft) cable	<b>Increment</b>	55.56mm(2.19in.)
S	Side	FC	Female connector with 30cm(0.98ft)cable		
C	Closed	NA	Only for Closed Feed Entry		

Product Code
Please select on the Mounting Options page

\*We will list the nearest actual manufacturing length on the quotation, based on your requested length.

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## Lumen Output (lm/m)

CCT	Side Bending
	6W/M
■ 2700K	360
■ 3000K	385
■ 4000K	400
Max. Run Length	10m

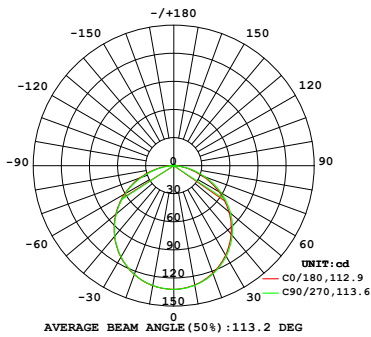
## Technical Details

Parameter	Side Bending
Efficacy	64.2lm/W @3000K 6W
CRI	Ra>90
Beam Angle	110°
LED MacAdam	3 steps
IK Rating	IK09
Average Life (L80B10)	>33,000 hours (T <sub>a</sub> <100°C)
Storage Temperature	-40°C~ 110°C
Operating Temperature	-40°C~ 110°C

## Photometry

SAUNA1617S-24-930-060

LEDLINE SAUNA 1617S, Side bend, 24V, RA90, 3000K, 6W/M



### Zonal Lumen Summary

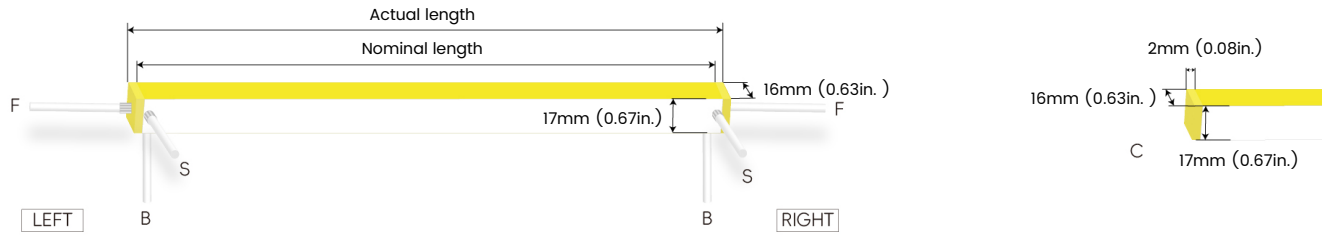
Zone	Lumen	% Fixture
0-30	102.7	26.7%
0-40	168.4	43.8%
0-60	298.7	77.7%
0-90	379.9	98.8%
0-180	384.4	100.0%

# LEDLINE SAUNA 1617S WHT

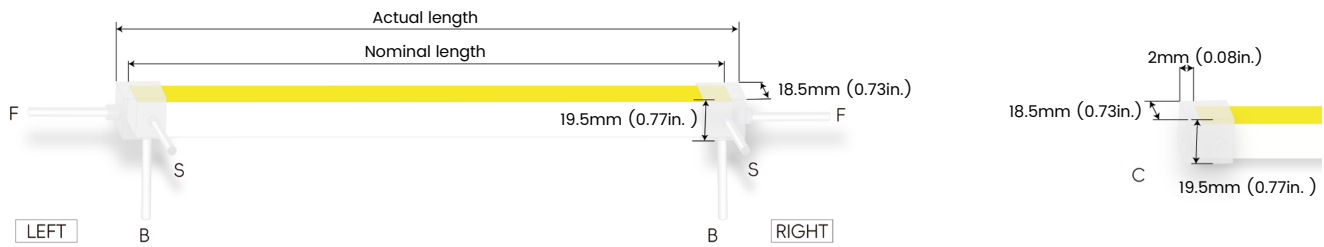
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## Feed Entry / End Cap Options

**FT: Flush Translucent – IP68, factory-made only**



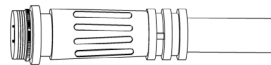
**Silicone end cap – IP67, for field cuttable only**



## Connector Wire Options



**OW: Open wire, Dry only**  
Standard 30cm (0.98ft), 18 AWG,  
wire length customizable



**MC: Male connector, Wet**  
Standard 30cm (0.98ft), 18 AWG

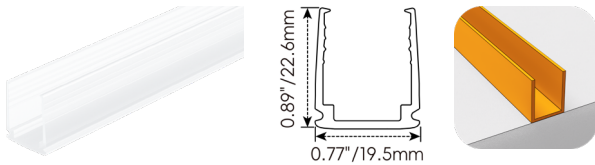


**FC: Female connector, Wet**  
Standard 30cm (0.98ft), 18 AWG

# LEDLINE SAUNA 1617S WHT

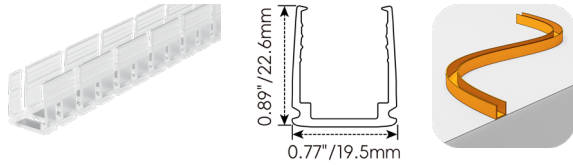
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## Mounting Options



### AC167-PC

Name	PC channel
Material	Polycarbonate
Standard Length	1M (3.28ft)



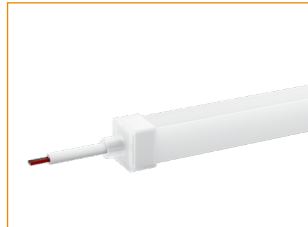
### AC167-CPC

Name	Bendable PC profile
Material	Polycarbonate
Standard Length	1M (3.28ft)
Min. Bending Diameter	300mm (11.81in.)

## Silicone End Caps (Optional, purchase for extra)



**AC167-EC**  
Silicone closed end cap



**ACS167-EC2-F**  
Silicone end cap front entry with 30cm (0.98ft) UL cable, 2 pin



**ACS167-EC2-S**  
Silicone end cap side entry with 30cm (0.98ft) UL cable, 2 pin



**ACS167-EC2-B**  
Silicone end cap bottom entry with 30cm (0.98ft) UL cable, 2 pin

## Additional Accessories (Optional, purchase for extra)



**AD007-2-MCW**  
Male connector, 30cm (0.98ft) UL white cable, 2 pin, IP67, Wet, 18 AWG



**AD007-2-FCW**  
Female connector, 30cm (0.98ft) UL white cable, 2 pin, IP67, Wet, 18 AWG



**AF001-1**  
1 Adjustable angle scissors set, with 4 spare blades

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## Drivers

### Non-dimmable

Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24A-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm
LRS-150-24	150W	85-132VAC / 170-264VAC	24V	Dry	159 * 97 * 30 mm

### 3 in 1-dimmable

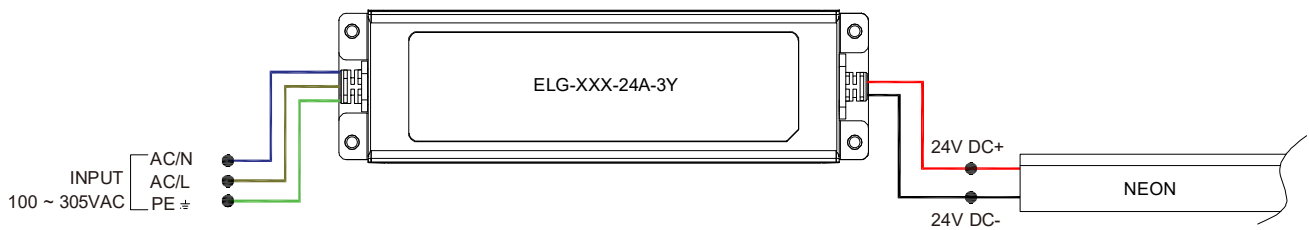
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24B-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

### DALI-dimmable

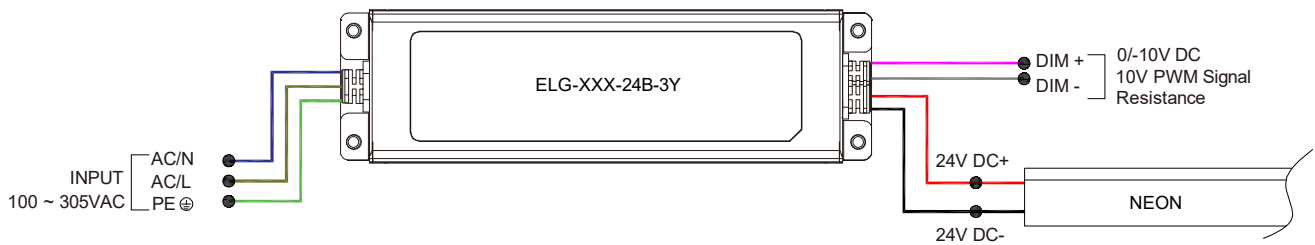
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24DA-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

## Wiring Diagram

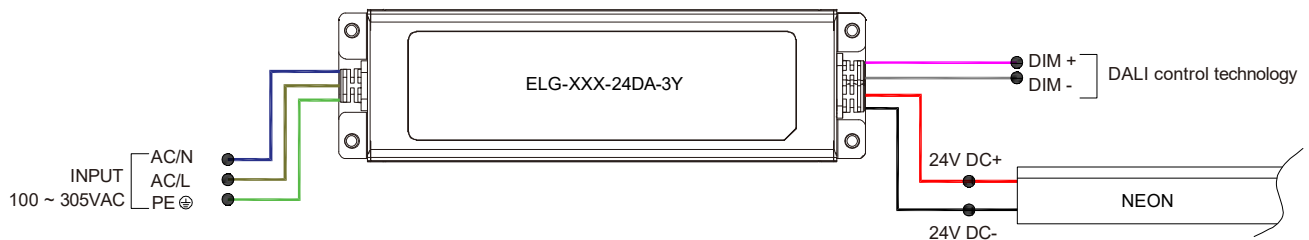
### Non-dimmable



### 3 in 1-dimmable



### DALI-dimmable



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## 24V Voltage Drop & Maximum Wire Length Chart

Based on 24V voltage with a 3% voltage drop allowance. Indicates the maximum wire length from the power supply to the start of the run.

Total load	8AWG	10AWG	12AWG	14AWG	16AWG	18AWG	20AWG	22AWG
10W / 0.4A	484.0m	304.5m	191.4m	120.4m	75.5m	47.5m	29.8m	18.5m
20W / 0.8A	242.0m	152.1m	95.7m	60.0m	37.8m	23.7m	14.9m	9.1m
30W / 1.3A	161.2m	101.5m	63.7m	39.9m	24.9m	15.8m	9.7m	6.1m
40W / 1.7A	121.0m	75.9m	47.8m	29.8m	18.9m	11.8m	7.3m	4.5m
50W / 2.1A	96.6m	60.6m	38.1m	24.0m	14.9m	9.4m	5.7m	3.6m
60W / 2.5A	80.4m	50.6m	31.7m	19.8m	12.5m	7.9m	4.8m	3.0m
70W / 2.9A	68.8m	43.2m	27.1m	17.0m	10.6m	6.7m	4.2m	2.4m
80W / 3.3A	60.3m	37.8m	23.7m	14.9m	9.4m	5.7m	3.6m	2.1m
90W / 3.8A	53.6m	33.8m	21.0m	13.1m	8.2m	5.1m	3.0m	1.8m
100W / 4.2A	48.1m	30.1m	18.9m	11.8m	7.3m	4.5m	2.7m	1.8m
110W / 4.6A	43.8m	27.4m	17.3m	10.6m	6.7m	4.2m	2.7m	1.5m
120W / 5.0A	40.2m	25.3m	15.8m	9.7m	6.1m	3.9m	2.4m	1.5m
130W / 5.4A	37.1m	23.1m	14.6m	9.1m	5.7m	3.6m	2.1m	1.2m
140W / 5.8A	34.4m	21.6m	13.4m	8.5m	5.1m	3.3m	2.1m	1.2m
150W / 6.3A	32.0m	20.1m	12.5m	7.9m	4.8m	3.0m	1.8m	1.2m
160W / 6.7A	30.1m	18.9m	11.8m	7.3m	4.5m	2.7m	1.8m	0.9m
170W / 7.1A	28.3m	17.6m	10.9m	7.0m	4.2m	2.7m	1.5m	0.9m
180W / 7.5A	26.8m	16.7m	10.3m	6.7m	3.9m	2.4m	1.5m	0.9m
190W / 7.9A	25.3m	15.8m	10.0m	6.0m	3.9m	2.4m	1.5m	0.9m
200W / 8.3A	24.0m	14.9m	9.4m	5.7m	3.6m	2.1m	1.2m	0.9m
210W / 8.8A	22.8m	14.3m	8.8m	5.4m	3.3m	2.1m	1.2m	0.6m
220W / 9.2A	21.9m	13.7m	8.5m	5.4m	3.3m	2.1m	1.2m	0.6m
230W / 9.6A	21.0m	13.1m	8.2m	5.1m	3.0m	1.8m	1.2m	0.6m
240W / 10.0A	20.1m	12.5m	7.9m	4.8m	3.0m	1.8m	1.2m	0.6m
250W / 10.4A	19.2m	12.1m	7.6m	4.5m	2.7m	1.8m	0.9m	0.6m