



## NEON CLASSIC | WHITE | SAUNA



Neon is a broad range of silicone encapsulated LED ribbons with a variety of light emissions and casings that closely reference glass neon tube.

Neon Classic is domed top model measuring W16.5 × H29mm (W11.5mm at the base).

This 6W/m option is a silicone model designed for sauna and steam room usage with white colour temperature options from 2200 – 5700K.

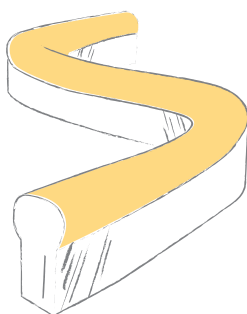
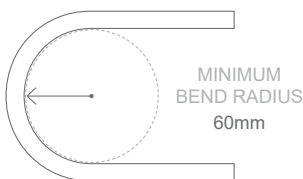
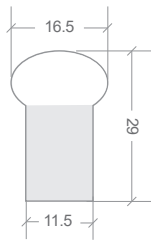
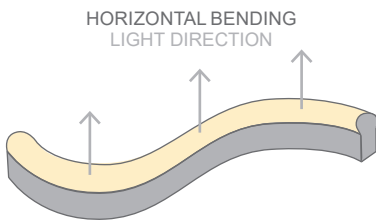
**Neon is made to order, check with our team for lead times.**

### APPLICATIONS

- Sauna
- Steam rooms

### FEATURES

- A perfect replacement for traditional glass neon tube
- Sauna model allows for a higher operating temperature range than standard Neon products



CODE	COLOUR	LUMENS
BL-LS-4570S-27	WARM WHITE 2700K +/- 110K	≥235lm/m
BL-LS-4570S-30	WARM WHITE 3000K +/- 150K	
BL-LS-4570S-40	NATURAL WHITE 4000K +/- 175K	
BL-LS-4570S-57	COOL WHITE 5700K +/- 335K	

ELECTRICAL & OPTICAL DATA VARIANCE +/- 10%. SOLD BY THE METRE. IES FILES AVAILABLE. 2200K & 3500K AVAILABLE BY REQUEST.

### POWER & TEMP

LED WATTS	6W/m
INPUT VOLTS	24V DC Constant voltage (Onboard constant current)
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +90°C
MAX. RUN PER POWER FEED	10 metres

### LIGHT & LIFE

CRI	≥80
BEAM ANGLE	180°
LED PER METRE	72
SOURCE LIFE	50,000 hours
WARRANTY	3 years

### PHYSICAL PARAMETERS & CONTROL

MINIMUM BEND RADIUS	60mm
BEND DIRECTION	Horizontal bending
DIMENSIONS	W16.5 × H29mm (W11.5mm at the base)
INGRESS PROTECTION	IP67 Slimline injection moulding connections <i>Dimensions of connectors shown on installation guide</i>
CUTTING LENGTH	83.3mm
HOUSING	UV & flame resistant white silicone with opal diffuser
MOUNTING	Profile / clips available <i>SEE PAGE 3.</i>
CONTROL	Dimmable by PWM signal

## NEON CLASSIC | SAUNA | CONNECTIONS

Neon products are IP rated based on the fitted connections (power feed / end caps).

Bright Light recommend using Slimline injection moulding for the best result, a clean finish and IP68 rating. These are fitted at factory during the production process and can not be altered once produced - **ensure all lengths are double-checked before ordering.**

Power feed connectors are priced & supplied with 1metre cable as standard. Please specific at time of quoting if alternate lengths are required.

### SLIMLINE INJECTION MOULDING CONNECTIONS | IP67



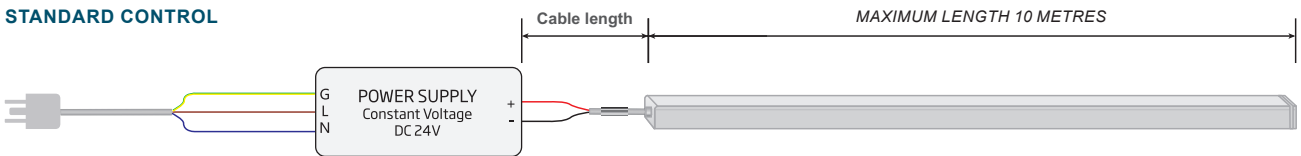
REQUIRES FITTING AT FACTORY.  
EXACT LENGTH REQUIRED BEFORE PRODUCTION



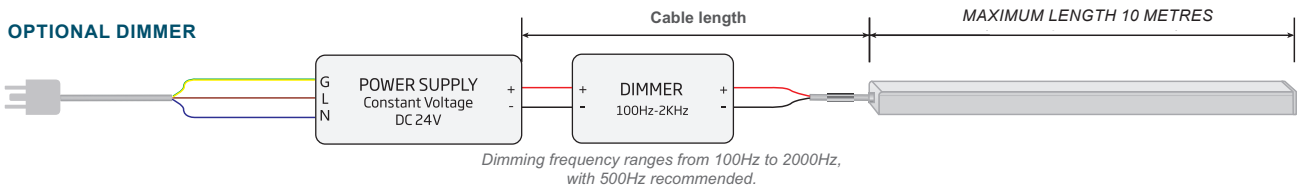
## NEON CLASSIC | SAUNA | 6W/M WIRING

TO AVOID SIGNAL FADING, ENSURE THE OVERALL CABLE LENGTH IS WITHIN THE MAXIMUM SIGNAL TRANSMISSION DISTANCE ACCORDING TO THE SPECIFICATION OF CONTROLLER/DECODER

### STANDARD CONTROL



### OPTIONAL DIMMER



### CABLE LENGTH

(The length of electrical cable between power output end and light input end, including any cables for interconnection)

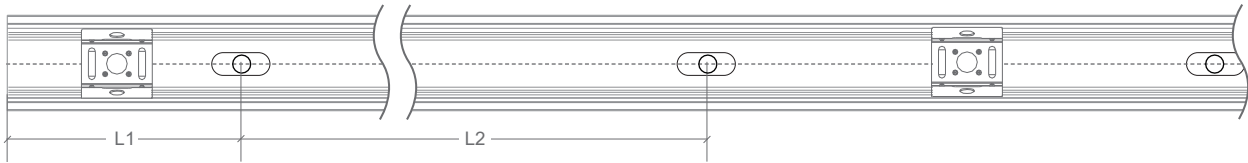
REFER TO CHART WHERE ADDITIONAL CABLE IS REQUIRED TO ACCESS POWER ON-SITE. CHART SHOWS MAXIMUM CABLE LENGTHS FOR DIFFERENT WIRE GAUGES (TO AVOID VOLTAGE DROP).

LIGHT LENGTH (METRES)	MAX CABLE LENGTH SILICONE (METRES)				
	0.32mm <sup>2</sup> 22AWG	0.52mm <sup>2</sup> 20AWG	0.81mm <sup>2</sup> 18AWG	1.32mm <sup>2</sup> 16AWG	2.07mm <sup>2</sup> 14AWG
1	76.0	123.5	192.5	314.0	492.0
2	38.0	61.5	96.5	157.0	246.0
3	25.0	40.5	63.0	103.0	161.0
4	18.5	30.0	47.0	76.5	120.0
5	15	24.0	37.5	61.5	96.5
6	12.5	20.0	31.5	51.5	80.5
7	10.5	17.0	27.0	44.0	69.0
8	9.0	15.0	23.5	38.5	60.5
9	8.0	13.5	21.0	34.0	53.5
10	7.5	12.0	19.0	31.0	48.5

### INSTALLATION WARNINGS

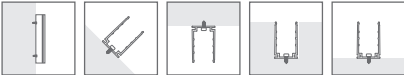
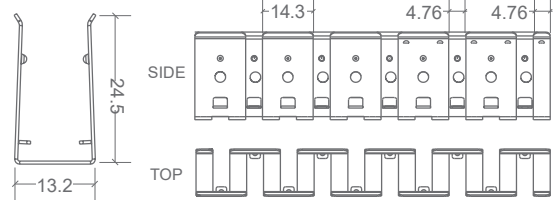
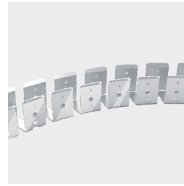
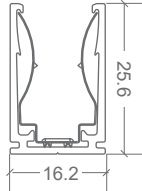
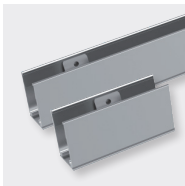
- Keep at least 80cm away from the steam outlet or heat source area.
- Do not place in an enclosed space, as air circulation is needed.
- Do not touch metal components directly to prevent burns.

## NEON CLASSIC | SAUNA | MOUNTING ACCESSORIES

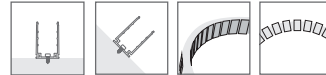


SELF-LOCKING ALUMINIUM PROFILE / MOUNTING CLIP HOLE LOCATION DIAGRAM

CODE	ACCESSORY	L1	L2	HOLE DIMENSIONS	HOLE NUMBER	CLIP NUMBER
BL-LS-4003	SELF-LOCKING ALUMINIUM PROFILE 2M	100mm	200mm	4 × 10mm	10	9
BL-LS-4004	SELF-LOCKING ALUMINIUM MOUNTING CLIP 35MM	5mm	25mm	4 × 10mm	2	1
BL-LS-4028	BENDABLE STAINLESS STEEL PROFILE 890MM MULTIPLE FIXING LOCATIONS	-	-	-	-	-



SELF-LOCKING ALUMINIUM PROFILE 2M / MOUNTING CLIP



BENDABLE STAINLESS STEEL PROFILE 890MM