

# NEON CLASSIC

WHITE | HIGH TEMPERATURE



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 x H29mm (W11.5mm at the base).

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

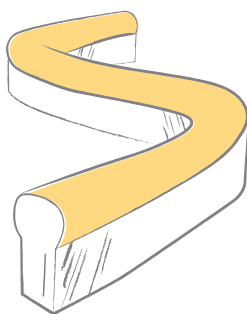
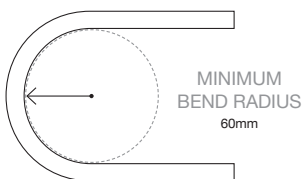
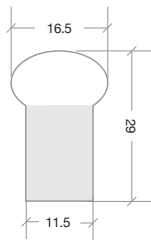
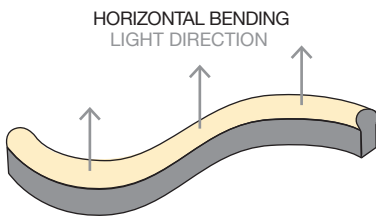
Neon is made to order, check with our team for lead times.

## APPLICATIONS

- High Ambient Temperature
- Steam rooms

## FEATURES

- A perfect replacement for traditional glass neon tube
- The High Temperature 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 x 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 | HIGH TEMPERATURE | CONNECTIONS

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

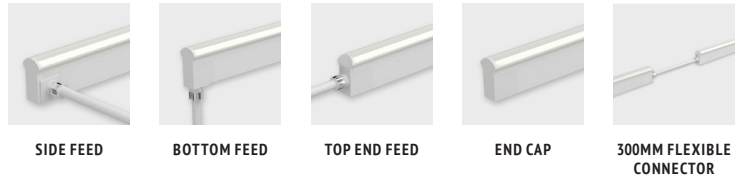
Bright Light recommend using Slimline injection moulding for the best result, a clean finish and IP68 rating. These are fitted at factory during the production process and can not be altered once produced - **ensure all lengths are double-checked before ordering.**

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



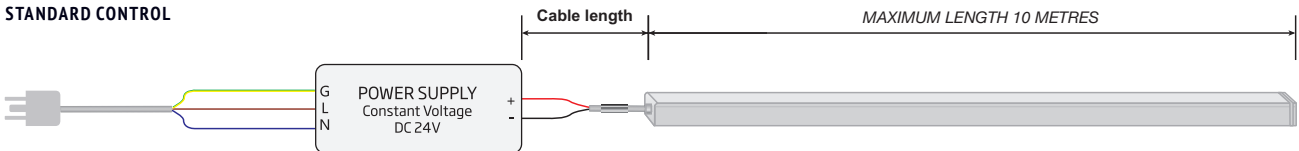
REQUIRES FITTING AT FACTORY.  
EXACT LENGTH REQUIRED BEFORE PRODUCTION



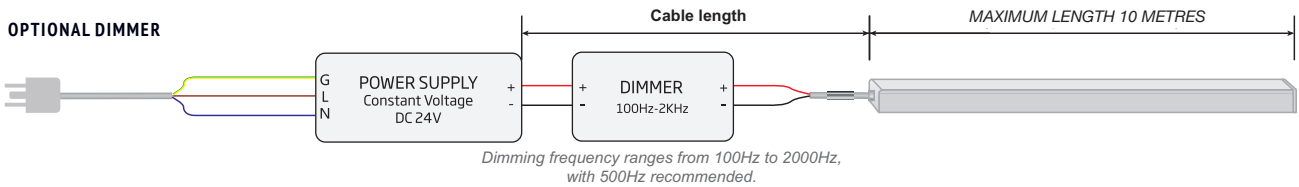
## NEON CLASSIC | HIGH TEMPERATURE | 6W/M WIRING

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)

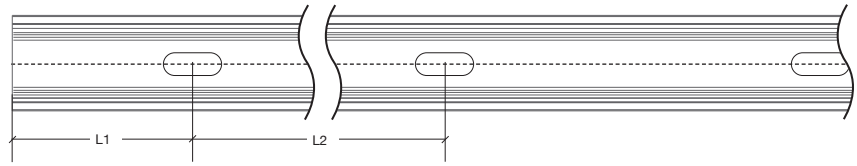
REFER TO CHART WHERE ADDITIONAL CABLE IS REQUIRED TO ACCESS POWER ON-SITE. CHART SHOWS MAXIMUM CABLE LENGTHS FOR DIFFERENT WIRE GAUGES (TO AVOID VOLTAGE DROP).

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 | HIGH TEMPERATURE | MOUNTING ACCESSORIES



CODE	ACCESSORY	L1	L2	HOLE DIMENSIONS	HOLE NUMBER
BL-LS-4082	SERRATED ALUMINIUM CLIP 20MM	10mm	-	4 × 10mm	1
BL-LS-4080	SERRATED ALUMINIUM PROFILE 1 METRE	100mm	200mm	4 × 10mm	5
BL-LS-4081	SERRATED ALUMINIUM PROFILE 2 METRES	100mm	200mm	4 × 10mm	10
BL-LS-4083	BENDABLE SERRATED ALUMINIUM PROFILE 1000MM	116.5mm	98.8mm	Ø4.2mm	10

