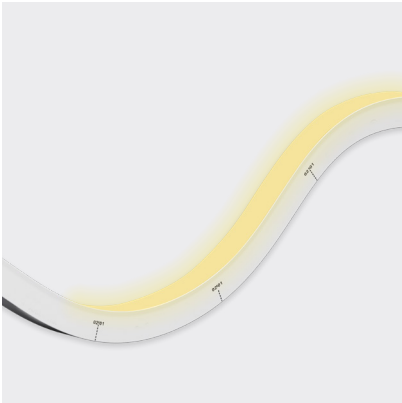


# NEON ARC

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 Arc is a square W16 × H17mm, vertical bending model perfect for cove lighting, or architectural features in exterior and interior applications.

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

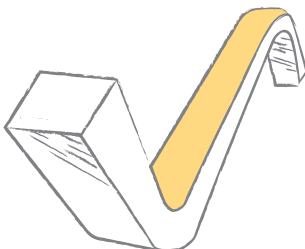
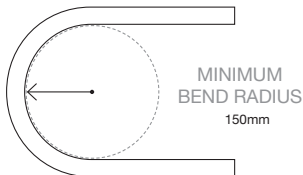
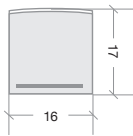
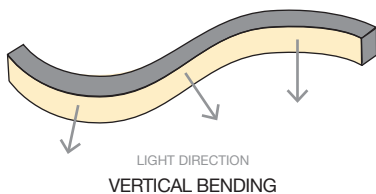
Neon is made to order, check with our team for lead times.

## APPLICATIONS

- High Ambient Temperatures
- Steam rooms

## FEATURES

- Neon Arc can be curved in the opposite direction of the other neon products
- The High Temperature model allows for a higher operating temperature range than standard Neon products



CODE	COLOUR	LUMENS
BL-LS-4870S-27	WARM WHITE 2700K +/- 110K	≥280lm/m
BL-LS-4870S-30	WARM WHITE 3000K +/- 150K	≥280lm/m
BL-LS-4870S-40	NATURAL WHITE 4000K +/- 175K	≥290lm/m
BL-LS-4870S-57	COOL WHITE 5700K +/- 335K	≥290lm/m

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	160°
LED PER METRE	108
SOURCE LIFE	50,000 hours
WARRANTY	3 years

## PHYSICAL PARAMETERS & CONTROL

MINIMUM BEND RADIUS	150mm
BEND DIRECTION	Vertical bending
DIMENSIONS	W16 × H17mm
INGRESS PROTECTION	IP67 Slimline injection moulding connections <i>Dimensions of connectors shown on installation guide</i>
CUTTING LENGTH	55.6mm
HOUSING	UV & flame resistant white silicone with opal diffuser
MOUNTING	Profile / clips available <i>SEE PAGE 3.</i>
CONTROL	Dimmable by PWM signal

## NEON ARC | 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



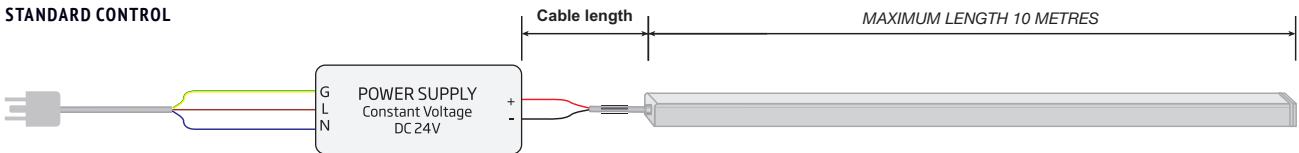
REQUIRES FITTING AT FACTORY.  
EXACT LENGTH REQUIRED BEFORE PRODUCTION



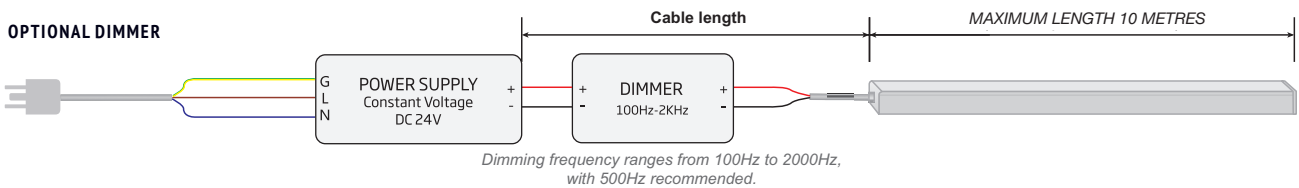
## NEON ARC | HIGH TEMPERATURE | 6W/M WIRING

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)

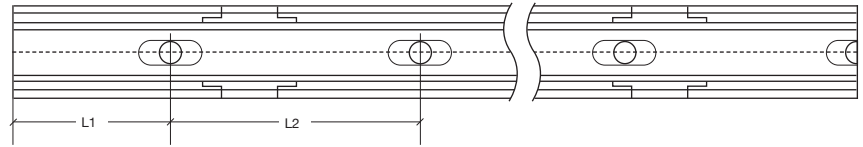
REFER TO CHART WHERE ADDITIONAL CABLE IS REQUIRED TO ACCESS POWER ON-SITE. CHART SHOWS MAXIMUM CABLE LENGTHS FOR DIFFERENT WIRE GAUGES (TO AVOID VOLTAGE DROP).

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

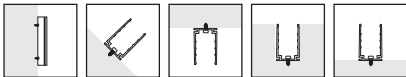
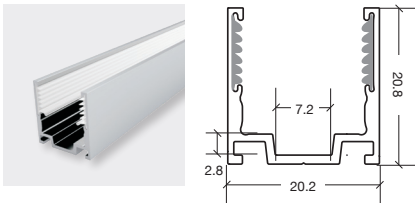
### INSTALLATION WARNINGS

- 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 ARC | HIGH TEMPERATURE | MOUNTING ACCESSORIES



CODE	ACCESSORY	L1	L2	HOLE DIMENSIONS	HOLE NUMBER
BL-LS-4815	SERRATED ALUMINIUM PROFILE 1M	100mm	200mm	4 × 10mm	5
BL-LS-4816	SERRATED ALUMINIUM PROFILE 2M	100mm	200mm	4 × 10mm	10
BL-LS-4817	SERRATED ALUMINIUM CLIP 20MM	10mm	-	4 × 10mm	1



SERRATED ALUMINIUM  
PROFILE & MOUNTING CLIP