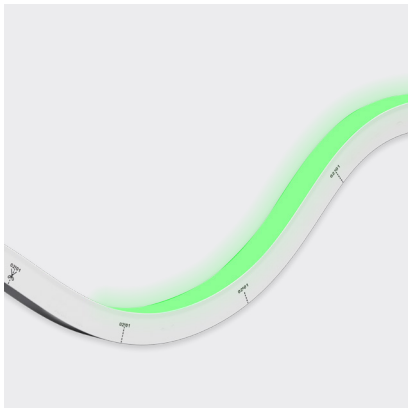
NEON ARC

RGBW | SILICONE

INDENT PRODUCT



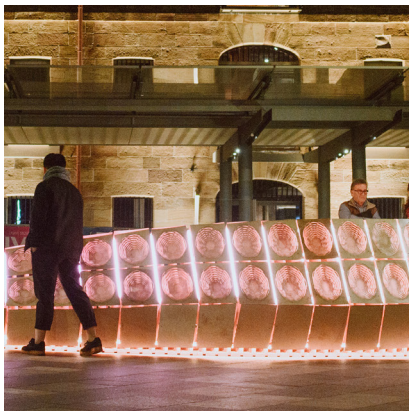


PHOTO CREDIT: VICTOR CARINGAL FROM ARUP

APPLICATIONS

- Creative colour installations. Soften colours to pastels.
- Theatres, bars, restaurants, and retail
- Cove lighting
- Architectural features
- Exterior or interior installations
- Swimming or feature pools

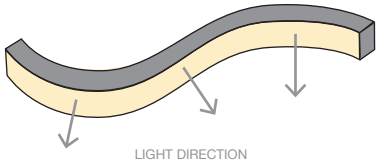
FEATURES

- Neon Arc can be curved in the opposite direction of the other neon products
- UV & flame resistant

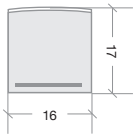
Neon Arc is a square W16 × H17mm, vertical bending model perfect for cove lighting, or architectural features in exterior and interior applications.

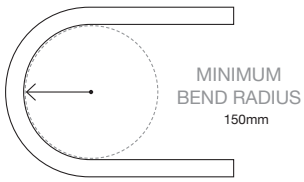
RGB White (Red, Green, Blue, and White) ribbon provides a rainbow of colour options. The white can be used independently of the colours or in combination creating of soft pastel effects.

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



LIGHT DIRECTION
VERTICAL BENDING





CODE	COLOUR		LUMENS
BL-LS-4800S-RGBW	R	615–625nm	≥90lm/m
	G	520–530nm	≥240lm/m
	B	465–475nm	≥40lm/m
	W	3000K *+/- 220K*	≥200lm/m

ELECTRICAL & OPTICAL DATA VARIANCE +/- 10%. SOLD BY THE METRE. IES FILES AVAILABLE. 2700K & 4000K AVAILABLE BY REQUEST.

POWER & TEMP

LED WATTS	15W/m
INPUT VOLTS	24V DC Constant voltage
OPERATING TEMP. *(ENVIRONMENT)*	-40°C ~ +45°C
MAX. RUN PER POWER FEED	**Static full loading*** 8m using one feed 16m using two feeds **Dynamic operating*** 12m using one feed 24m using two feeds

LIGHT & LIFE

CRI	≥80 *(white chip only)*
BEAM ANGLE	160°
LED PER METRE	84
SOURCE LIFE	50,000 hours
WARRANTY	5 years

PHYSICAL PARAMETERS & CONTROL

MINIMUM BEND RADIUS	150mm
BEND DIRECTION	Vertical bending
DIMENSIONS	W16 × H17mm
INGRESS PROTECTION *Dimensions of connectors shown on installation guide*	IP68 Protection established by use of connectors. *SEE PAGE 2.*
CUTTING LENGTH	83.3mm
HOUSING	UV & flame resistant white silicone with opal diffuser
MOUNTING	Profile / clips available *SEE PAGE 3.*
CONTROL	Requires 4-channel RGBW controller or compatible DMX-512 controller

*STATIC VS DYNAMIC OPERATING

This product has a maximum wattage of 15W/m, made from 4 × colour channels using approximately 3.75W/m each. The white chip can be used on its own or combined with the R, G, B for extra brightness/lumen output. As this uses the full 15W/m this is called Static loading (all colour channels, all powered).

When R, G, B or W channels are used individually or blended to make colour mixes eg blue or purple, the wattage used is below the maximum load and is considered dynamic operating. This also applies when the colours are constantly changing, flashing or fading.

When the maximum wattage of the product is reached, lengths longer than recommended may experience power loss, reduced luminosity & increased heat which can shorten the life of the product.

If unsure about the products intended usage, future proof by choosing the static full loading lengths.

Actual product characteristics may vary. Light Culture Australia Pty Ltd reserves the right to improve, modify or update the product designs without prior notice.

NEON ARC | RGBW | CONNECTIONS

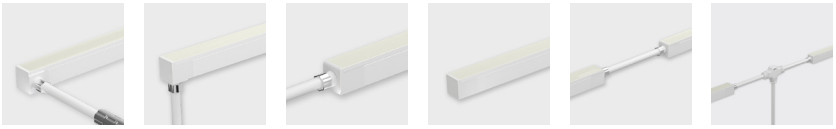
Neon products are IP rated based on the fitted connections (power feed / end caps).

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 | IP68

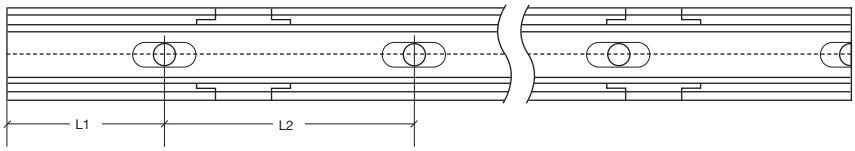
REQUIRES FITTING AT FACTORY.
EXACT LENGTH REQUIRED BEFORE PRODUCTION



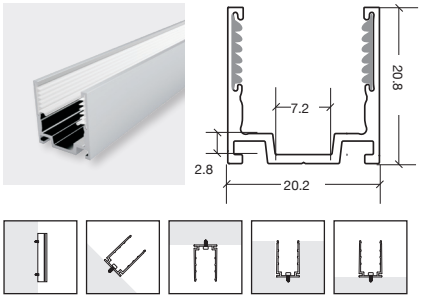
SIDE FEED | BOTTOM FEED | TOP END FEED | END CAP | 300MM FLEXIBLE CONNECTOR | T FEED

Actual product characteristics may vary. Light Culture Australia Pty Ltd reserves the right to improve, modify or update the product designs without prior notice.

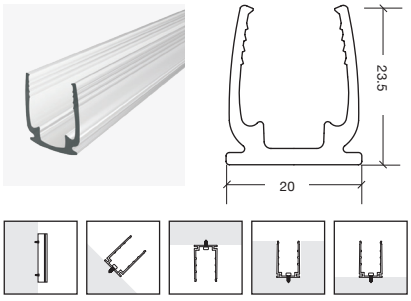
NEON ARC | MOUNTING ACCESSORIES



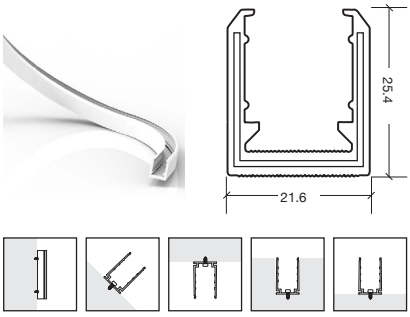
CODE	ACCESSORY	L1	L2	HOLE DIMENSIONS	HOLE NUMBER
BL-LS-4815	SERRATED ALUMINIUM PROFILE 1M	100mm	200mm	4 × 10mm	5
BL-LS-4816	SERRATED ALUMINIUM PROFILE 2M	100mm	200mm	4 × 10mm	10
BL-LS-4817	SERRATED ALUMINIUM CLIP 20MM	10mm	-	4 × 10mm	1
BL-LS-4818	THICKENED PLASTIC CLIP 35MM	17.5mm	-	4.5 × 8mm	1
BL-LS-4819	THICKENED PLASTIC PROFILE 1 METRE	100mm	200mm	4.5 × 8mm	5
BL-LS-4820	THICKENED PLASTIC PROFILE 2 METRE	100mm	200mm	4.5 × 8mm	10
BL-LS-4821W	ANOLE BENDABLE PROFILE WHITE 1 METRE	100mm	200mm	3mm	5
BL-LS-4821B	ANOLE BENDABLE PROFILE BLACK 1 METRE	100mm	200mm	3mm	5



SERRATED ALUMINIUM PROFILE & MOUNTING CLIP



THICKENED PLASTIC PROFILE & CLIP



ANOLE BENDABLE PROFILE

Actual product characteristics may vary. Light Culture Australia Pty Ltd reserves the right to improve, modify or update the product designs without prior notice.