BRIGHTLIGHT

INDENT PRODUCT

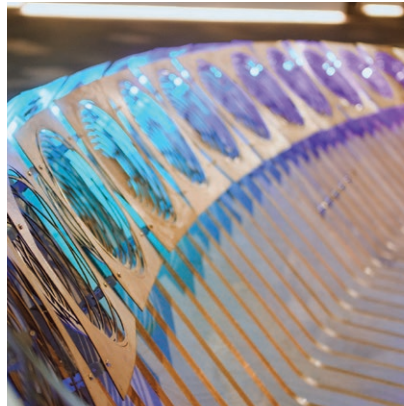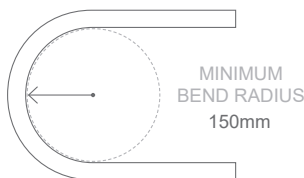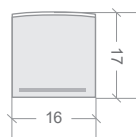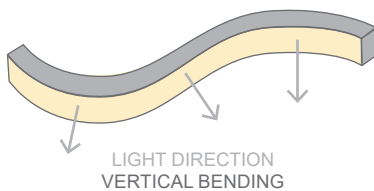## NEON ARC | RGB CHASING | SILICONE

PHOTO CREDIT: VICTOR CARINGAL FROM ARUP

APPLICATIONS

– Dynamic colour installations that chase, blend, flow, flash, skip, or fade
– 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 (Red, Green, Blue) ribbon provides a rainbow of colour options from hot pinks to vivid blues and anywhere in-between. RGB Chasing gives you dynamic control, pixel segments are independently addressable allowing chasing & blending movement of colours. Requires controller.

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

LIGHT DIRECTION
VERTICAL BENDING

MINIMUM BEND RADIUS
150mm

CODE	COLOUR		LUMENS
	R	615–625nm	≥90lm/m
BL-LS-4800S-RGBC	G	520–530nm	≥240lm/m
	B	465–475nm	≥40lm/m

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

POWER & TEMP

LED WATTS	16.5W/m
INPUT VOLTS	24V DC Constant voltage *Onboard constant current*
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +45°C
MAX. RUN PER POWER FEED	**Static full loading*** 10m using one feed 20m using two feeds **Dynamic operating*** 15m using one feed 30m using two feeds

LIGHT & LIFE

BEAM ANGLE	160°
LED PER METRE	84
PIXELS PER METRE	12
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 SPI controller or can be controller by DMX controller via SPI decoder.

*STATIC VS DYNAMIC OPERATING

This product has a maximum wattage of 16.5W/m which is reached when all colours R+G+B are used simultaneously to create a white tone, with 3 × colour channels using approximately 5.5W/m each. Using Neon at this maximum load is called Static full loading (all colour channels, all powered continuously).

When R, G or B channels are used individually or blended to make colour mixes eg blue or purple (excluding white tones) the wattage used is below the maximum load and is considered dynamic operating. This also applies when the colours are constantly changing (including if a white tone is created but only used in a chasing, flashing or fading capacity).

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. Bright Light reserves the right to improve, modify or update the product designs without prior notice.

NEON ARC | RGB CHASING | 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*

RECOMMENDED

INTERIOR EXTERIOR   IP68   INDENT ITEM

REQUIRES FITTING AT FACTORY.
EXACT LENGTH REQUIRED BEFORE PRODUCTION

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

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NEON ARC | MOUNTING ACCESSORIES
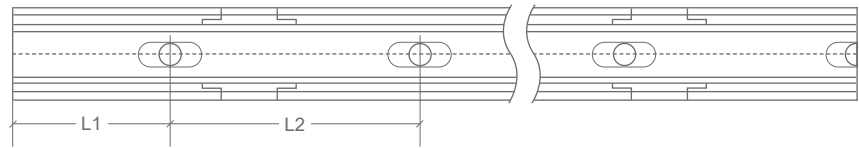
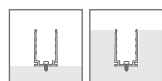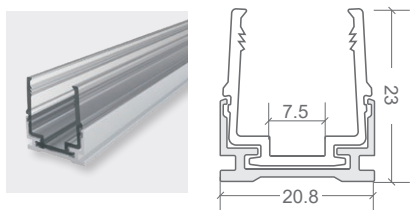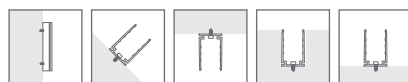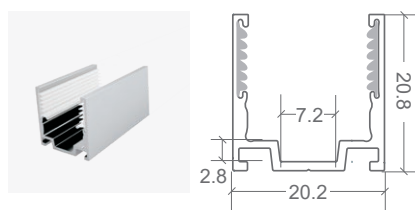| CODE	ACCESSORY	L1	L2	HOLE DIMENSIONS	HOLE NUMBER
BL-LS-4803	SELF-LOCKING ALUMINIUM PROFILE 2m	100mm	200mm	4 × 10mm	10
BL-LS-4804	PLASTIC PROFILE 2m	100mm	200mm	Ø3.5mm	10
BL-LS-4805	PLASTIC PROFILE 1m	100mm	200mm	Ø3.5mm	5
BL-LS-4813	BENDABLE STAINLESS STEEL PROFILE 890MM *MULTIPLE FIXING LOCATIONS*	-	-	-	-
BL-LS-4814	HYBRID PROFILE 2m	100mm	200mm	4 × 10mm	10
BL-LS-4817	SERRATED ALUMINIUM CLIP 20MM	10mm	-	4 × 10mm	1
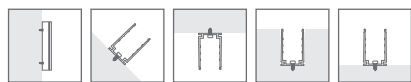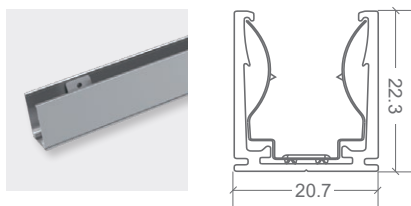
SELF-LOCKING ALUMINIUM PROFILE 2M
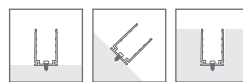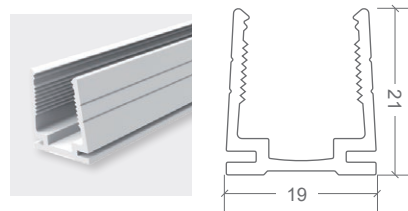
PLASTIC PROFILE
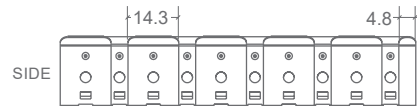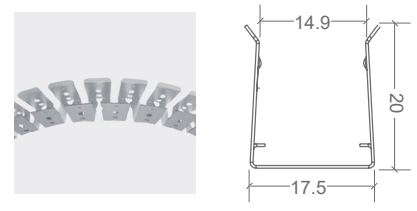
BENDABLE STAINLESS STEEL PROFILE 890MM

HYBRID PROFILE 2M

SERRATED ALUMINIUM 20MM MOUNTING CLIP

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