BRIGHTLIGHT

INDENT PRODUCT
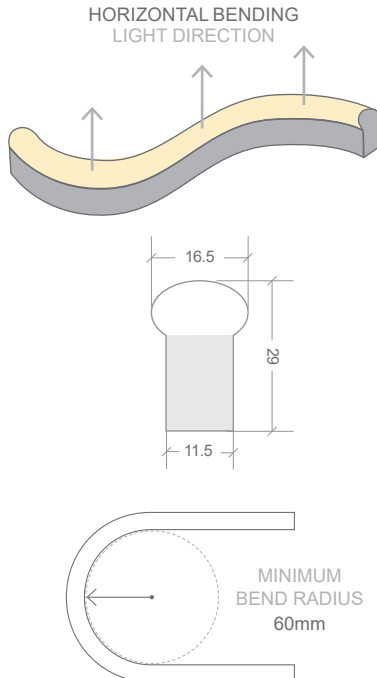
NEON CLASSIC | RGB | SILICONE

PHOTO CREDIT: VICTOR CARINGAL FROM ARUP

APPLICATIONS

– Creative colour installations. Theatres, bars, restaurants, and retail
– Signage & cove lighting
– Architectural features
– Exterior or interior installations
– Swimming or feature pools

FEATURES

– A perfect replacement for traditional glass neon tube

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 of W16.5 × H29mm (W11.5mm at the base).

RGB (Red, Green, Blue) ribbon provides a rainbow of colour options from hot pinks to vivid blues and anywhere in-between.

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

CODE	COLOUR		LUMENS
BL-LS-4600S-RGB	R	615–625nm	≥60lm/m
	G	520–530nm	≥140lm/m
	B	465–475nm	≥30lm/m

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

HORIZONTAL BENDING
LIGHT DIRECTION

16.5

29

11.5

MINIMUM BEND RADIUS
60mm

POWER & TEMP

LED WATTS	12W/m
INPUT VOLTS	24V DC Constant voltage
OPERATING TEMP. *(ENVIRONMENT)*	-40°C ~ +55°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	180°
LED PER METRE	60
SOURCE LIFE	50,000 hours
WARRANTY	5 years

PHYSICAL PARAMETERS & CONTROL

MINIMUM BEND RADIUS	60mm
BEND DIRECTION	Horizontal bending
DIMENSIONS	W16.5 × H29mm (W11.5mm at the base)
INGRESS PROTECTION *Dimensions of connectors shown on installation guide*	IP67 or IP68 Protection established by use of connectors. *SEE PAGE 2.*
CUTTING LENGTH	100mm
HOUSING	UV & flame resistant white silicone with opal diffuser
MOUNTING	Profile / clips available *SEE PAGE 3.*
CONTROL	Requires 3-channel RGB controller or compatible DMX-512 controller & decoder

*STATIC VS DYNAMIC OPERATING

This product has a maximum wattage of 12W/m which is reached when all colours R+G+B are used simultaneously to create a white tone, with 3 × colour channels using approximately 4W/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 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.

NEON CLASSIC | RGB | 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.**

If on-site cutting is required (due to lengths being unknown in advance or site design alterations), Snap connector fittings can be used instead.
Snap Connectors can be fitted on-site and offer an IP67 rating (provided all installation instructions are followed correctly).

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

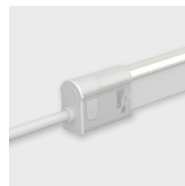| SIDE FEED | BOTTOM FEED | TOP END FEED | END CAP | 300MM FLEXIBLE CONNECTOR | T FEED |

SNAP CONNECTIONS | *IP67*

ON-SITE FITTING

INTERIOR EXTERIOR

FITTING ON-SITE - WHERE LENGTHS ARE UNKNOWN IN ADVANCE.
MUST BE FITTED CORRECTLY FOR IP RATING
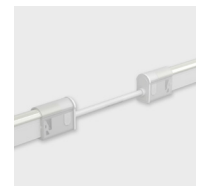
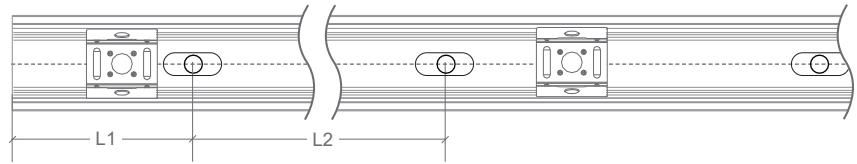|	TOP END FEED		END CAP		300MM FLEXIBLE CONNECTOR
	01	02	01	02	
RGB	BL-LS-4520	BL-LS-4521	BL-LS-4526	BL-LS-4527	BL-LS-4522

BRIGHTLIGHT

NEON CLASSIC | MOUNTING ACCESSORIES

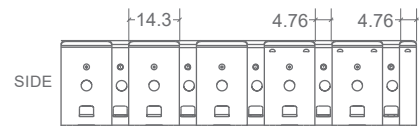| CODE	ACCESSORY	L1	L2	HOLE DIMENSIONS	HOLE NUMBER	CLIP NUMBER
BL-LS-4003	SELF-LOCKING ALUMINIUM PROFILE 2M	100mm	200mm	4 × 10mm	10	9
BL-LS-4004	SELF-LOCKING ALUMINIUM MOUNTING CLIP 35MM	5mm	25mm	4 × 10mm	2	1
BL-LS-4005	PLASTIC PROFILE 2M	100mm	200mm	Ø3.5mm	10	-
BL-LS-4006	PLASTIC PROFILE 1M	100mm	200mm	Ø3.5mm	5	-
BL-LS-4028	BENDABLE STAINLESS STEEL PROFILE 890MM *MULTIPLE FIXING LOCATIONS*	-	-	-	-	-
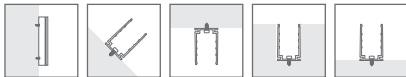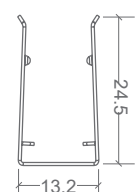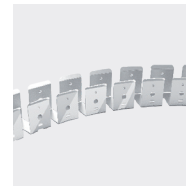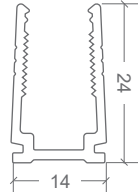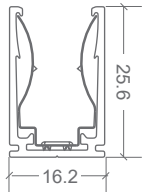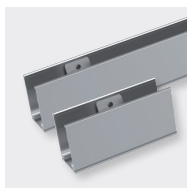
**SELF-LOCKING ALUMINIUM
PROFILE 2M / MOUNTING CLIP**

Not recommend for underwater use
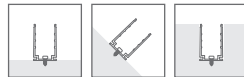
PLASTIC PROFILE

**BENDABLE STAINLESS STEEL
PROFILE 890MM**

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