

NEON

***BRIGHTLIGHT***



# PERFECT FOR ANY IMAGINED PROJECT

LED Neon, by Bright Light is a broad range of silicone encapsulated LED ribbons with a variety of light emissions and casings that closely reference glass neon tube. Modern LED technology offers a durability that surpasses the traditional glass product and the silicone casing provides UV and flame-resistant protection while distributing uniform light.

Where Neon Classic is curved, Neon Edge is sleek with a flat, architectural finish. Powerful Neon Arc gives you the brightest options for light output and both bend vertically (opposite to the other products in the range). Various Micro editions can also be installed where space is at a premium.

The range of connectors and mounting accessories allow for a multitude of applications. Add in your choice of a range of colours, both static and dynamic and you'll get a perfect product for any imagined project.

Neon is an indent product which is made to order. Check with our team for lead times.



## DYNAMIC NEON CLASSIC

TIMBER AURORA, SYDNEY VIVID - AUSTRALIA  
PHOTO CREDIT: VICTOR CARINGAL FROM ARUP



# NEON

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## NEON RANGE

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**BRIGHTLIGHT**  
LED LIGHTING SOLUTIONS


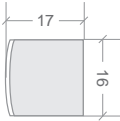
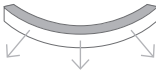


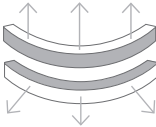
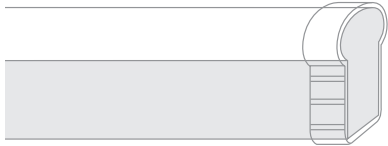
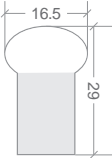

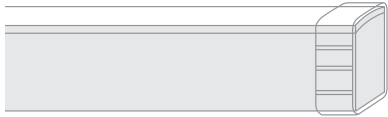
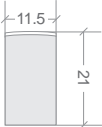

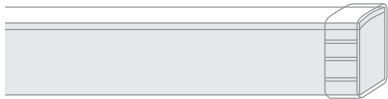
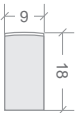

Official New Zealand  
distributor for

**CLEAR**  
LIGHTING

NEON

# RANGE OVERVIEW

## PHYSICAL PARAMETERS

MODEL	DIMENSIONS	MINIMUM BEND RADIUS	BENDING & LIGHT DIRECTION
<b>ARC</b>  PAGES 6-15		150mm	 VERTICAL BENDING
<b>MICRO ARC</b>  PAGES 16-17		50mm	 BOTH VERTICAL & HORIZONTAL BENDING OPTIONS AVAILABLE
<b>CLASSIC</b>  PAGES 18-27		60mm	 HORIZONTAL BENDING
<b>EDGE</b>  PAGES 28-37		60mm	 HORIZONTAL BENDING
<b>MICRO EDGE</b>  PAGES 38-39		45mm	 HORIZONTAL BENDING

**NOTE: Production lead times apply**



# COLOUR & MODEL OPTIONS

For the standard models Arc, Edge, Classic colour options include:

## COLOUR OPTIONS

- White
- Tuneable White
- Dim to Warm
- RGB
- RGBW
- Dynamic RGB chasing

Micro versions come in white only.

## SPECIALITY TYPES

### SAUNA

This 6W/m option is a silicone model designed for sauna and steam room usage (up to 90°C) with white colour temperature options from 2200 – 5700K.

Available in IP67 for Arc, Edge, Classic.

### DIM TO WARM

Dim to Warm allows the lighting to warm up as the light is dimmed, creating a cozy feel that is perfect for evenings. It provides 3000K lighting at full brightness, slowly reducing to a warm 1800K before dimming completely.

Neon Dim to Warm has options for up to IP68 and is available for Arc, Edge, Classic.

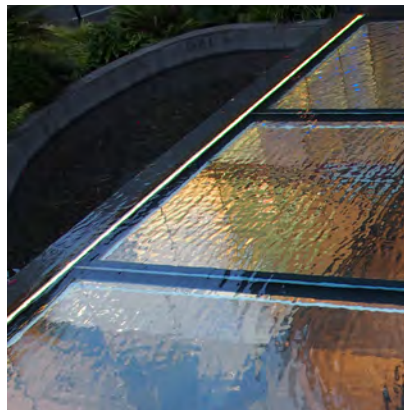
### DYNAMIC NEON CHASING

Dynamic Neon is pixel addressable, which means that every LED chip can be controlled independently by Serial Peripheral Interface (SPI), allowing for a variety of dynamic effects to be created.

RGB Chasing can provide a beautiful, fluid, blending effect where colours transition seamlessly into one another or provide fast-paced, dynamic motion effects, where colours flash & skip in a flurry of activity. Perfect for theatres, bars, restaurants, and retail where you want to create a dynamic atmosphere or draw attention. Dynamic Neon is available for Arc, Edge, Classic.



**NEON ARC | WHITE**

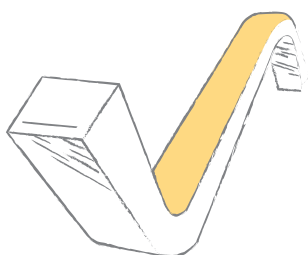
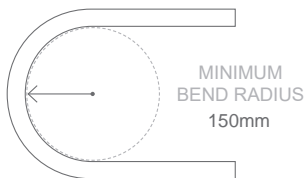
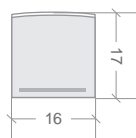
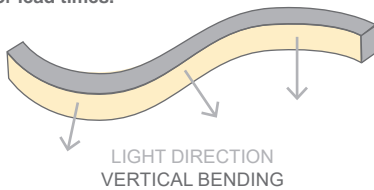


USE OF IP68 CONNECTORS FOR SUBMERGED WATER FEATURE INSTALLATION

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

White Classic has options for various white light colours from 2200 – 5700K. Warmer temperatures create a cozy feel that is perfect for evenings, while cooler temperatures simulate day light, creating a more alert feel.

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



**APPLICATIONS**

- Theatres, bars, restaurants, & 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
- 6W/m option available for use in saunas or steam rooms

CODE	COLOUR	LUMENS
BL-LS-4800S-27	WARM WHITE 2700K +/- 110K	≥565lm/m
BL-LS-4800S-30	WARM WHITE 3000K +/- 150K	≥565lm/m
BL-LS-4800S-40	NATURAL WHITE 4000K +/- 175K	≥580lm/m
BL-LS-4800S-57	COOL WHITE 5700K +/- 335K	≥580lm/m

*ELECTRICAL & OPTICAL DATA VARIANCE +/- 10%. SOLD BY THE METRE. IES FILES AVAILABLE. 2200K & 3500K AVAILABLE BY REQUEST.*

**POWER & TEMP**

LED WATTS	12W/m
INPUT VOLTS	24V DC Constant voltage Onboard constant current

OPERATING TEMP. (ENVIRONMENT) -40°C ~ +55°C

MAX. RUN PER POWER FEED	15m using one feed 30m using two feeds
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**LIGHT & LIFE**

CRI	≥80
BEAM ANGLE	160°
LED PER METRE	108
SOURCE LIFE	50,000 hours

WARRANTY 5 years

**PHYSICAL PARAMETERS & CONTROL**

MINIMUM BEND RADIUS	150mm
BEND DIRECTION	Vertical bending
DIMENSIONS	W16 × H17mm
INGRESS PROTECTION	IP67 or IP68 Protection established by use of connectors. <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 15.</i>
CONTROL	Dimmable by PWM signal

**DON'T SEE THE OPTION FOR YOU? LET US KNOW WHAT YOU ARE LOOKING FOR AND WE'LL SEE WHAT WE CAN DO!**

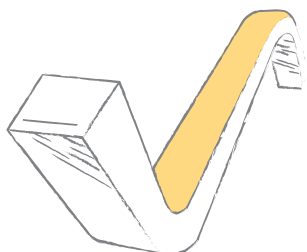
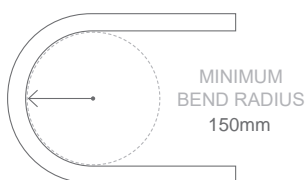
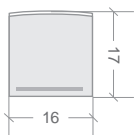
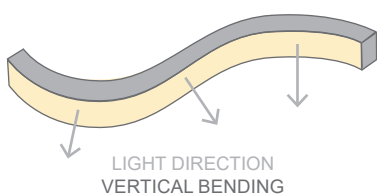
## NEON ARC | WHITE | SAUNA



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 sauna 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

- Sauna
- Steam rooms

## FEATURES

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

CRI	≥80
BEAM ANGLE	160°
LED PER METRE	108
SOURCE LIFE	50,000 hours
WARRANTY	3 years

## PHYSICAL PARAMETERS &amp; 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 15.</i>
CONTROL	Dimmable by PWM signal



**NEON ARC | TUNEABLE WHITE**

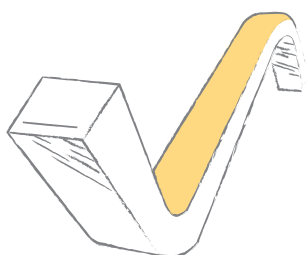
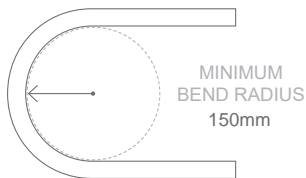
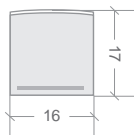
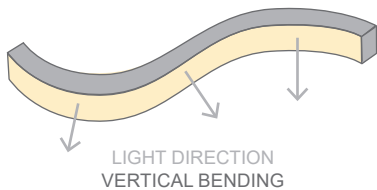


PHOTO CREDIT: BEN WRIGLEY, COURTESY WWW.CREATIVEROAD.COM.AU

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

Tuneable White allows lighting to be adjusted to suit the environment and time of day. Warmer temperatures create a cozy feel that is perfect for evenings, while cooler temperatures simulate day light, creating a more alert feel.

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



**APPLICATIONS**

- Ideal for applications where colour temperature adjustment is required
- Cove lighting, handrails, or toe-kicks
- 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

CODE	COLOUR	LUMENS
BL-LS-4825S	WARM WHITE 2200K +/- 160K	≥220lm/m
	COOL WHITE 5700K +/- 285K	≥270lm/m

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

**POWER & TEMP**

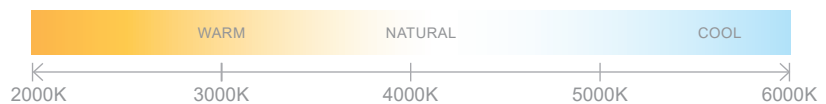
LED WATTS	12W/m
INPUT VOLTS	24V DC Constant voltage
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +55°C
MAX. RUN PER POWER FEED	15m using one feed 30m using two feeds

**LIGHT & LIFE**

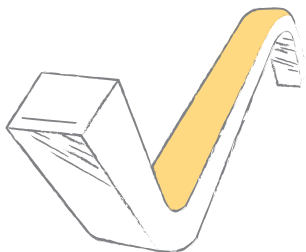
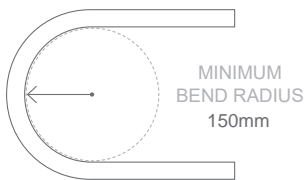
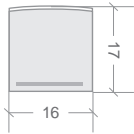
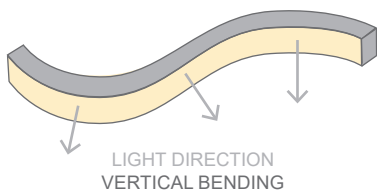
CRI	≥80
BEAM ANGLE	160°
LED PER METRE	144
SOURCE LIFE	50,000 hours
WARRANTY	5 years

**PHYSICAL PARAMETERS & CONTROL**

MINIMUM BEND RADIUS	150mm
BEND DIRECTION	Vertical bending
DIMENSIONS	W16 × H17mm
INGRESS PROTECTION	IP67 or IP68 Protection established by use of connectors. <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 15.</i>
CONTROL	Requires 2-channel controller



## NEON ARC | DIM TO WARM



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

Dim to Warm allows the lighting to warm up as the light is dimmed, creating a cozy feel that is perfect for evenings. It provides 3000K lighting at full brightness, slowly reducing to a warm 1800K before dimming completely.

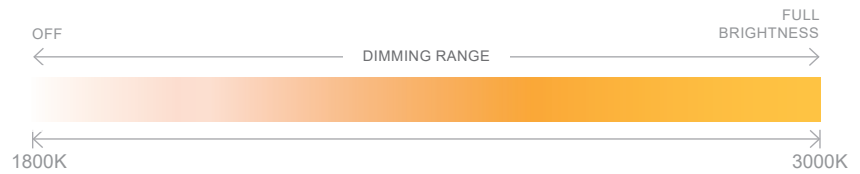
**Neon is made to order, check with our team for lead times.**

### APPLICATIONS

- Cove lighting, handrails, or toekicks
- Architectural features
- Exterior or interior installations
- Feature pools

### FEATURES

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



CODE	COLOUR	LUMENS
BL-LS-4800S-DTW	EXTRA WARM WHITE 1800K +/- 100K	3lm/m
	WARM WHITE 3000K +/- 220K	600lm/m

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

### POWER & TEMP

LED WATTS	12W/m
INPUT VOLTS	24V DC Constant voltage
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +55°C
MAX. RUN PER POWER FEED	15m using one feed 30m using two feeds

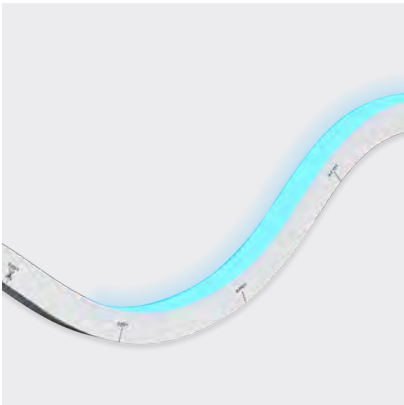
### LIGHT & LIFE

CRI	≥80 (1800K) ≥90 (3000K)
BEAM ANGLE	160°
LED PER METRE	192
SOURCE LIFE	50,000 hours
WARRANTY	5 years

### PHYSICAL PARAMETERS & CONTROL

MINIMUM BEND RADIUS	150mm
BEND DIRECTION	Vertical bending
DIMENSIONS	W16 × H17mm
INGRESS PROTECTION	IP67 or IP68 Protection established by use of connectors. <i>Dimensions of connectors shown on installation guide</i> SEE PAGE 14.
CUTTING LENGTH	62.5mm
HOUSING	UV & flame resistant white silicone with opal diffuser
MOUNTING	Profile / clips available SEE PAGE 15.
CONTROL	Dimmable by PWM signal

**NEON ARC | RGB**



**APPLICATIONS**

- Creative colour installations. Theatres, bars, restaurants, and retail
- Cove lighting, handrails, or toe kicks
- Architectural features
- Exterior or interior installations
- Swimming or feature pools

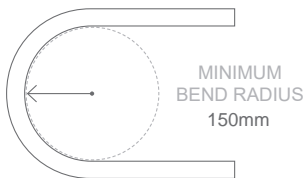
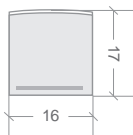
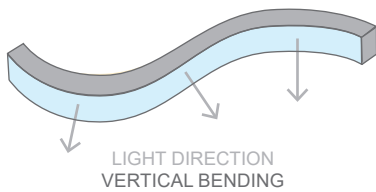
**FEATURES**

- 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.

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



CODE	COLOUR	LUMENS
BL-LS-4800S-RGB	R 615–625nm	≥90lm/m
	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	12W/m
INPUT VOLTS	24V DC Constant voltage
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +55°C
MAX. RUN PER POWER FEED	<b>Static full loading*</b> 10m using one feed 20m using two feeds <b>Dynamic operating*</b> 15m using one feed 30m using two feeds

**LIGHT & LIFE**

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	IP68 Protection established by use of connectors. <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 15.</i>
CONTROL	Requires 3-channel RGB controller or compatible DMX-512 controller

**\*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 ARC | RGBW

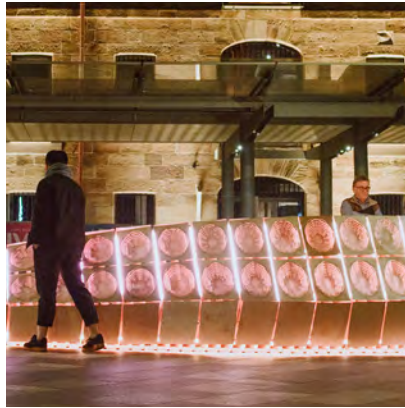
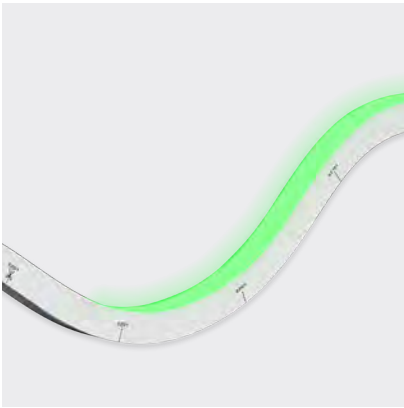
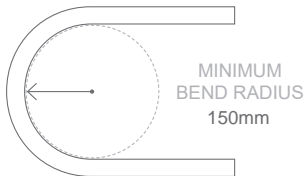
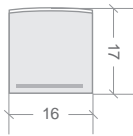
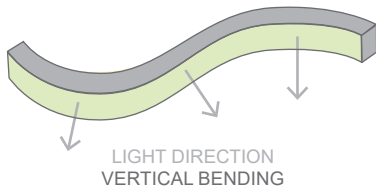


PHOTO CREDIT: VICTOR CARINGAL FROM ARUP

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.



### \*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.

### 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

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	<b>Static full loading*</b> 8m using one feed 16m using two feeds
	<b>Dynamic operating*</b> 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

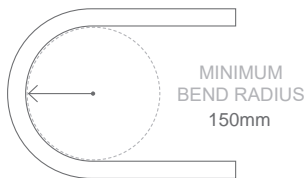
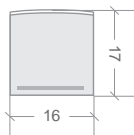
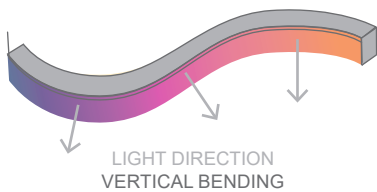
MINIMUM BEND RADIUS	150mm
BEND DIRECTION	Vertical bending
DIMENSIONS	W16 × H17mm
INGRESS PROTECTION	IP68 Protection established by use of connectors. <i>Dimensions of connectors shown on installation guide</i>
CUTTING LENGTH	83.3mm
HOUSING	UV & flame resistant white silicone with opal diffuser
MOUNTING	Profile / clips available <i>SEE PAGE 15.</i>
CONTROL	Requires 4-channel RGBW controller or compatible DMX-512 controller

**NEON ARC | RGB CHASING**



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 SPI controller.



**\*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.**

**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**

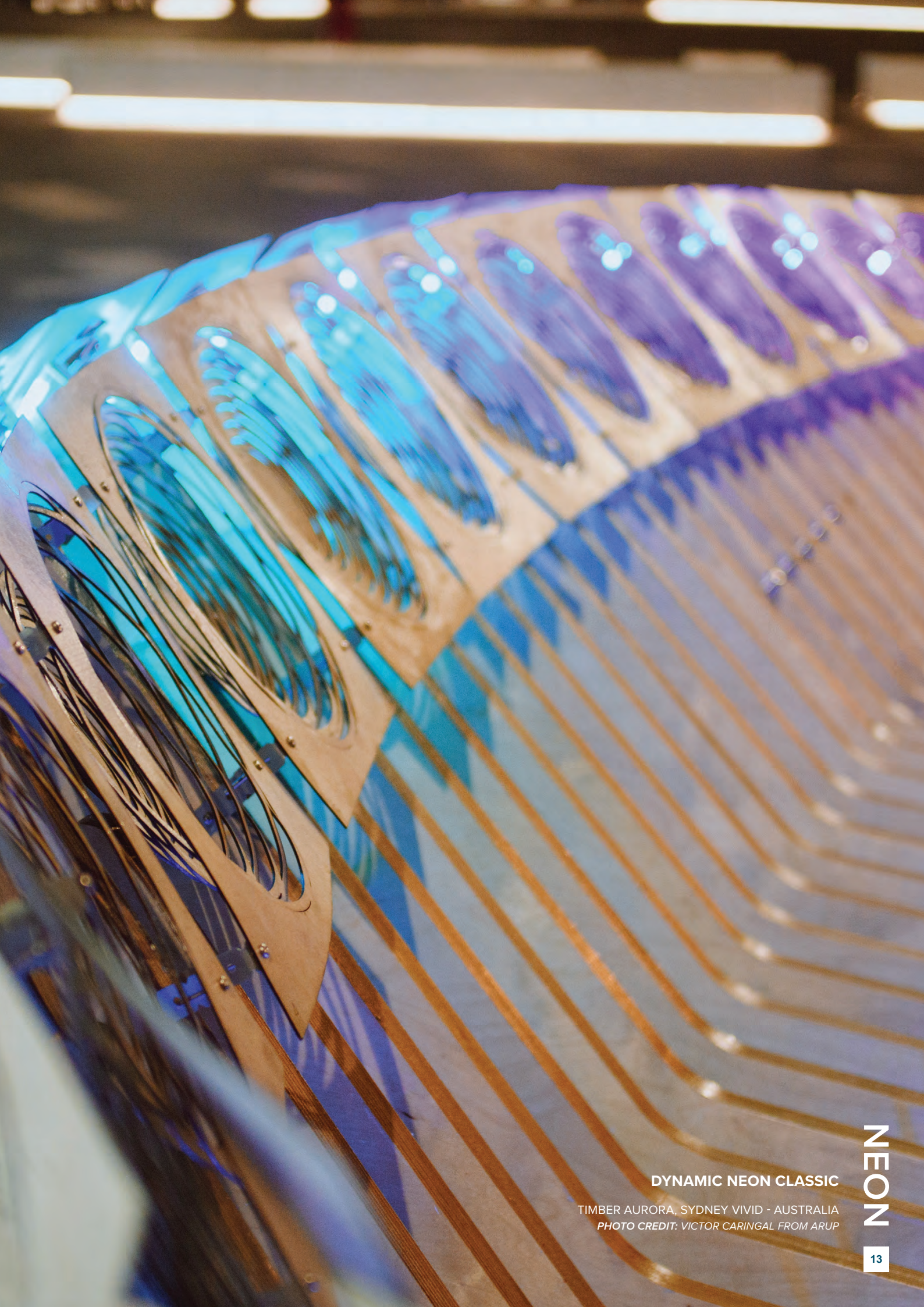
- Neon Arc can be curved in the opposite direction of the other neon products
- UV & flame resistant

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

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

POWER & TEMP		PHYSICAL PARAMETERS & CONTROL	
LED WATTS	16.5W/m	MINIMUM BEND RADIUS	150mm
INPUT VOLTS	24V DC Constant voltage <i>Onboard constant current</i>	BEND DIRECTION	Vertical bending
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +45°C	DIMENSIONS	W16 × H17mm
MAX. RUN PER POWER FEED	<b>Static full loading*</b> 10m using one feed 20m using two feeds  <b>Dynamic operating*</b> 15m using one feed 30m using two feeds	INGRESS PROTECTION	IP68 Protection established by use of connectors. <i>Dimensions of connectors shown on installation guide</i> <b>SEE PAGE 14.</b>
LIGHT & LIFE		CUTTING LENGTH	83.3mm
BEAM ANGLE	160°	HOUSING	UV & flame resistant white silicone with opal diffuser
LED PER METRE	84	MOUNTING	Profile / clips available <b>SEE PAGE 15.</b>
PIXELS PER METRE	12	CONTROL	Requires SPI controller or can be controller by DMX controller via SPI decoder.
SOURCE LIFE	50,000 hours		
WARRANTY	5 years		





**DYNAMIC NEON CLASSIC**

TIMBER AURORA, SYDNEY VIVID - AUSTRALIA  
PHOTO CREDIT: VICTOR CARINGAL FROM ARUP



**NEON ARC | 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).

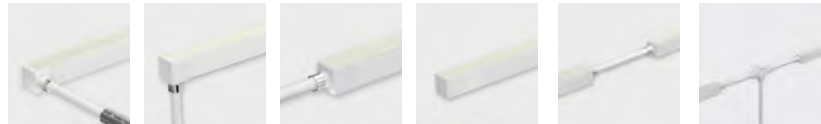
Power feed connectors are priced & supplied with 1metre cable as standard. Please specific at time of quoting if alternate lengths are required.

**SLIMLINE INJECTION MOULDING CONNECTIONS | IP68**

**RECOMMENDED**



REQUIRES FITTING AT FACTORY.  
EXACT LENGTH REQUIRED BEFORE PRODUCTION



	SIDE FEED	BOTTOM FEED	TOP END FEED	END CAP	300MM FLEXIBLE CONNECTOR	T FEED
AVAILABLE FOR ALL COLOUR TYPES	●	●	●	●	●	●
SAUNA MODEL (RATED FOR IP67 ONLY)	●	●	●	●	●	●

**SNAP CONNECTIONS | IP67**

**ON-SITE FITTING**



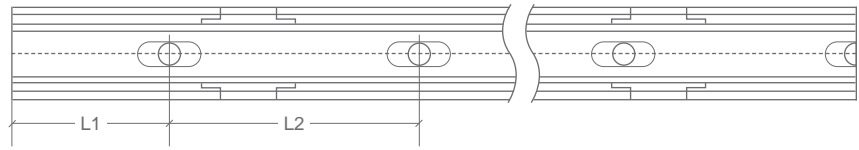
FITTING ON-SITE - WHERE LENGTHS ARE UNKNOWN IN ADVANCE.  
MUST BE FITTED CORRECTLY FOR IP RATING



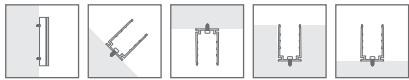
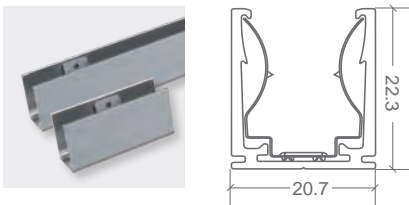
	TOP END FEED	END CAP	300MM FLEXIBLE CONNECTOR
	01	02	
WHITE / DIM TO WARM	BL-LS-4808	BL-LS-4809	BL-LS-4810

NOTE: SNAP CONNECTORS ARE NOT AVAILABLE FOR TUNEABLE WHITE, RGB, RGB CHASING, RGBW OR SAUNA MODELS

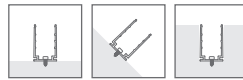
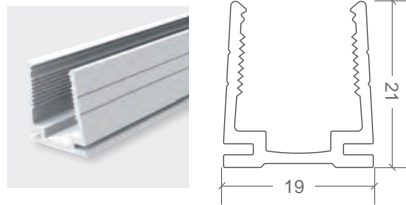
# NEON ARC | MOUNTING ACCESSORIES



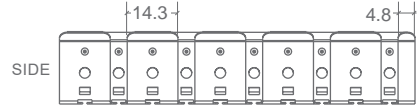
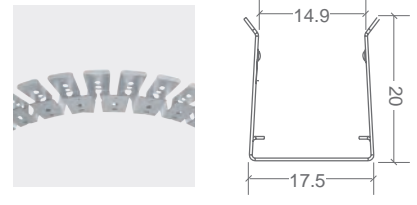
CODE	ACCESSORY	L1	L2	HOLE DIMENSIONS	HOLE NUMBER
BL-LS-4803	SELF-LOCKING ALUMINIUM PROFILE 2m	100mm	200mm	4 × 10mm	10
BL-LS-4802	SELF-LOCKING ALUMINIUM MOUNTING CLIP 35mm	5mm	25mm	4 × 10mm	2
BL-LS-4804	PLASTIC PROFILE 2m	100mm	200mm	Ø3.5mm	10
BL-LS-4805	PLASTIC PROFILE 1m	100mm	200mm	Ø3.5mm	5
BL-LS-4813	BENDABLE STAINLESS STEEL PROFILE 890MM <i>MULTIPLE FIXING LOCATIONS</i>	-	-	-	-
BL-LS-4814	HYBRID PROFILE 2m	100mm	200mm	4 × 10mm	10



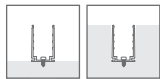
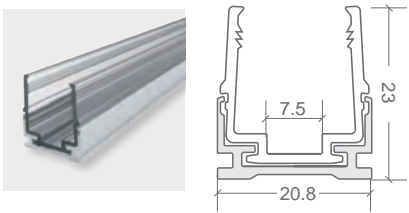
**SELF-LOCKING ALUMINIUM PROFILE & MOUNTING CLIP**



**PLASTIC PROFILE 2M**

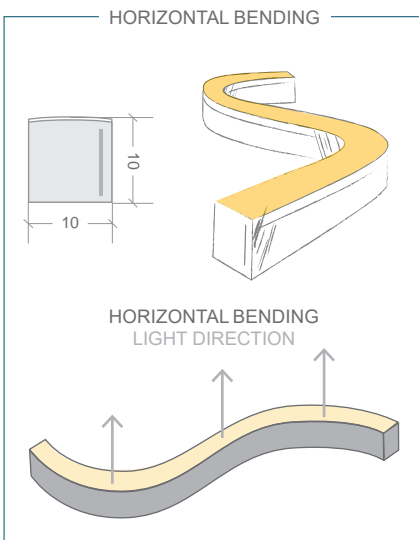
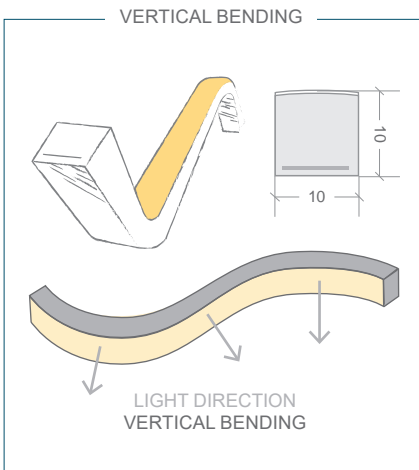
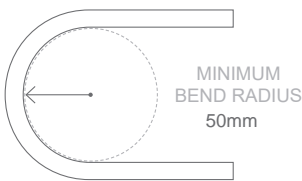
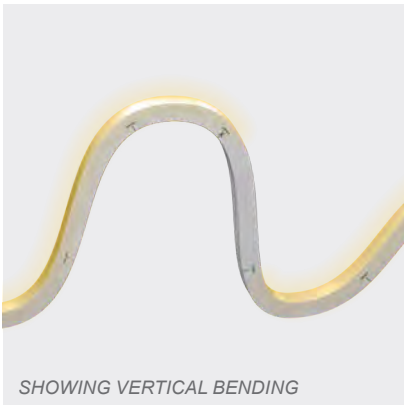


**BENDABLE STAINLESS STEEL PROFILE 890MM**



**HYBRID PROFILE 2M**

**NEON MICRO ARC | WHITE**



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 Micro Arc is a square W10 × H10mm model available in either vertical or horizontal bending. Perfect for cove lighting, or architectural features in exterior and interior applications.

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

**APPLICATIONS**

- Theatres, bars, restaurants, & retail
- Cove lighting
- Micro Architectural features
- Exterior or interior installations

**FEATURES**

- Neon Micro Arc comes in two versions: vertical bending & horizontal bending
- UV & flame resistant

CODE	COLOUR	LUMENS
BL-LS-4850S-30	WARM WHITE 3000K +/- 150K	≥220lm/m
BL-LS-4850S-30-HB		≥210lm/m
BL-LS-4850S-40	NATURAL WHITE 4000K +/- 175K	≥220lm/m
BL-LS-4850S-40-HB		≥210lm/m
BL-LS-4850S-57	COOL WHITE 5700K +/- 335K	≥220lm/m
BL-LS-4850S-57-HB		≥210lm/m

*ELECTRICAL & OPTICAL DATA VARIANCE +/- 10%. SOLD BY THE METRE. IES FILES AVAILABLE. 2200K, 2700K & 3500K AVAILABLE BY REQUEST. HB = HORIZONTAL BENDING.*

POWER & TEMP	
LED WATTS	4.5W/m
INPUT VOLTS	24V DC Constant voltage
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +55°C
MAX. RUN PER POWER FEED	<b>IP20 Swivel Connector</b> 10m using one feed 20m using two feeds <b>IP67 Injection Connection</b> 15m using one feed 30m using two feeds
LIGHT & LIFE	
CRI	≥80
BEAM ANGLE	160°
LED PER METRE	144
SOURCE LIFE	50,000 hours
WARRANTY	5 years

PHYSICAL PARAMETERS & CONTROL	
MINIMUM BEND RADIUS	50mm
BEND DIRECTION	Vertical bending or Horizontal bending (HB)
DIMENSIONS	W10 × H10mm
INGRESS PROTECTION	IP20 or IP67 Protection established by use of connection type <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 NEXT PAGE.</i>
CONTROL	Dimmable by PWM signal

## NEON MICRO ARC | WHITE | 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 IP67 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), IP20 swivel connector fittings can be used instead. Swivel Connectors can be fitted on-site and offer an IP20 rating (interior only).

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 SILICONE

RECOMMENDED



REQUIRES FITTING AT FACTORY.  
EXACT LENGTH REQUIRED BEFORE PRODUCTION

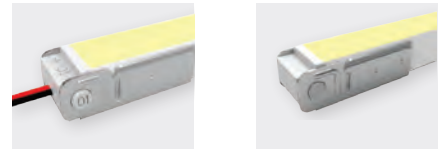


### SWIVEL CONNECTIONS | IP20 SILICONE

ON-SITE FITTING



FITTING ON-SITE - WHERE LENGTHS ARE UNKNOWN IN ADVANCE.



TOP END FEED  
01 02

END CAP

WHITE - HORIZONTAL BENDING

BL-LS-4851

BL-LS-4852

BL-LS-4854

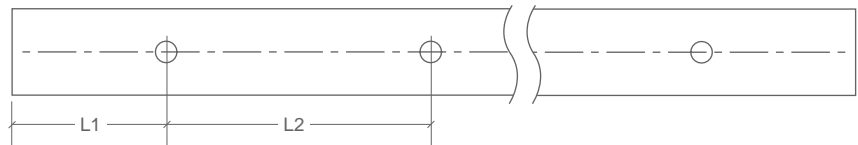
WHITE - VERTICAL BENDING

BL-LS-4861

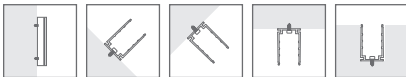
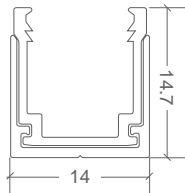
BL-LS-4862

BL-LS-4864

## NEON MICRO ARC | MOUNTING ACCESSORIES



CODE	ACCESSORY	L1	L2	HOLE DIMENSIONS	HOLE NUMBER
BL-LS-4858	PLASTIC AND ALUMINIUM PROFILE 2M	100mm	200mm	Ø3.5mm	10
BL-LS-4855	PLASTIC AND ALUMINIUM MOUNTING CLIP 35MM	17.5mm	-	Ø3.5mm	1



PLASTIC AND ALUMINIUM  
PROFILE 2M / CLIP



**NEON CLASSIC | WHITE**

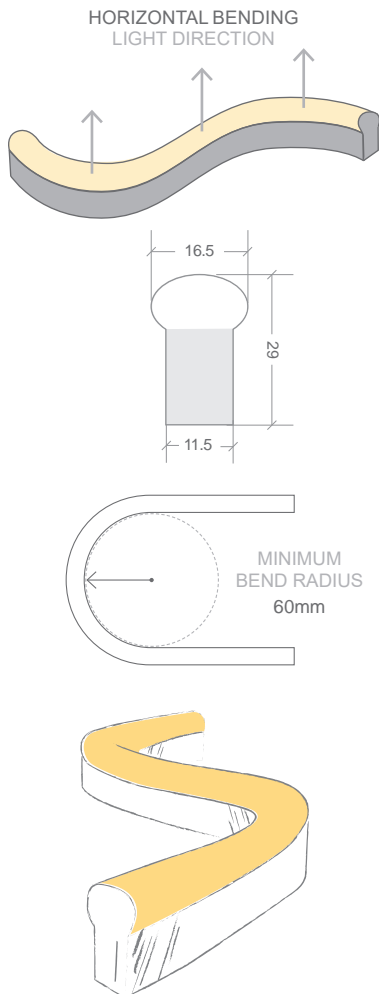


MARTINI GLASS OUTLINE IN NEON CLASSIC WHITE

Neon Classic is a perfect replacement for traditional glass neon tube with dimensions of W16.5 x H29mm (W11.5mm at the base).

White Classic has options for various white light colours from 2200 – 5700K. Warmer temperatures create a cozy feel that is perfect for evenings, while cooler temperatures simulate day light, creating a more alert feel.

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



**APPLICATIONS**

- Signage & cove lighting
- Architectural features
- Exterior or interior installations
- Swimming or feature pools

**FEATURES**

- A perfect replacement for traditional glass neon tube
- 6W/m option available for use in saunas or steam rooms

CODE	COLOUR	LUMENS
BL-LS-4580S-27	WARM WHITE 2700K +/- 110K	≥470lm/m
BL-LS-4580S-30	WARM WHITE 3000K +/- 150K	≥470lm/m
BL-LS-4580S-40	NATURAL WHITE 4000K +/- 165K	≥470lm/m
BL-LS-4580S-57	COOL WHITE 5700K +/- 335K	≥470lm/m

*ELECTRICAL & OPTICAL DATA VARIANCE +/- 10%. SOLD BY THE METRE. IES FILES AVAILABLE. 2200K & 3500K AVAILABLE BY REQUEST.*

**POWER & TEMP**

LED WATTS	12W/m
INPUT VOLTS	24V DC Constant voltage <i>Onboard constant current</i>
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +55°C
MAX. RUN PER POWER FEED	15m using one feed 30m using two feeds

**LIGHT & LIFE**

CRI	≥80
BEAM ANGLE	180°
LED PER METRE	72
SOURCE LIFE	50,000 hours
WARRANTY	5 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 or IP68 Protection established by use of connectors. <i>SEE PAGE 26.</i>
CUTTING LENGTH	83.3mm
HOUSING	UV & flame resistant white silicone with opal diffuser
MOUNTING	Profile / clips available <i>SEE PAGE 27.</i>
CONTROL	Dimmable by PWM signal

**DON'T SEE THE OPTION FOR YOU? LET US KNOW WHAT YOU ARE LOOKING FOR AND WE'LL SEE WHAT WE CAN DO!**

## NEON CLASSIC | WHITE | SAUNA



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 × H29mm (W11.5mm at the base).

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

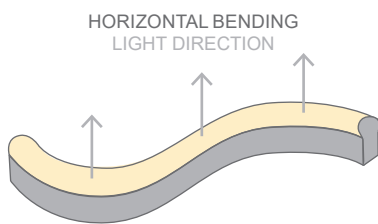
**Neon is made to order, check with our team for lead times.**

### APPLICATIONS

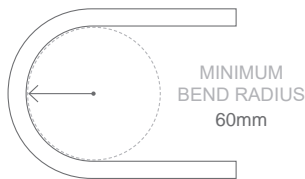
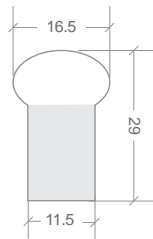
- Sauna
- Steam rooms

### FEATURES

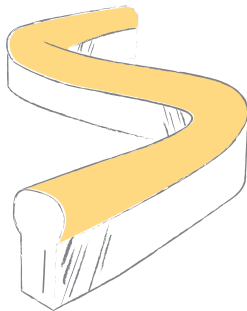
- A perfect replacement for traditional glass neon tube
- Sauna model allows for a higher operating temperature range than standard Neon products



HORIZONTAL BENDING  
LIGHT DIRECTION



MINIMUM  
BEND RADIUS  
60mm



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 × 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 27.</i>
CONTROL	Dimmable by PWM signal

**NEON CLASSIC | TUNEABLE WHITE | SILICONE**



MARTINI GLASS OUTLINE IN NEON CLASSIC WHITE

**APPLICATIONS**

- Ideal for applications where colour temperature adjustment is required
- 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 x H29mm (W11.5mm at the base).

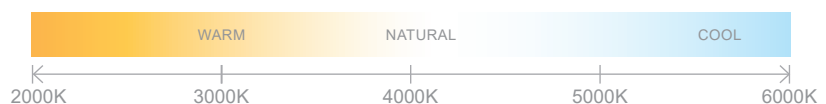
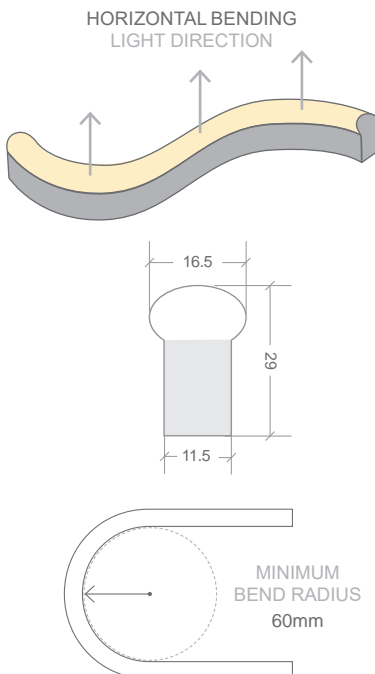
Tuneable White allows lighting to be adjusted to suit the environment and time of day. Warmer temperatures create a cozy feel that is perfect for evenings, while cooler temperatures simulate day light, creating a more alert feel.

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

CODE	COLOUR	LUMENS
BL-LS-4900S	WARM WHITE 2200K +/- 140K	≥170lm/m
	COOL WHITE 5700K +/- 355K	≥210lm/m

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

POWER & TEMP		PHYSICAL PARAMETERS & CONTROL	
LED WATTS	12W/m	MINIMUM BEND RADIUS	60mm
INPUT VOLTS	24V DC Constant voltage	BEND DIRECTION	Horizontal bending
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +55°C	DIMENSIONS	W16.5 x H29mm (W11.5mm at the base)
MAX. RUN PER POWER FEED	15m using one feed 30m using two feeds	INGRESS PROTECTION	IP67 or IP68 Protection established by use of connectors. <i>Dimensions of connectors shown on installation guide</i>
<b>LIGHT &amp; LIFE</b>		CUTTING LENGTH	83.3mm
CRI	≥80	HOUSING	UV & flame resistant white silicone with opal diffuser
BEAM ANGLE	180°	MOUNTING	Profile / clips available <i>SEE PAGE 27.</i>
LED PER METRE	144	CONTROL	Requires 2-channel controller
SOURCE LIFE	50,000 hours		
WARRANTY	5 years		



**NEON CLASSIC | DIM TO WARM | SILICONE**



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 a perfect replacement for traditional glass neon tube with dimensions of W16.5 x H29mm (W11.5mm at the base) model.

Dim to Warm allows the lighting to warm up as the light is dimmed, creating a cozy feel that is perfect for evenings. It provides 3000K lighting at full brightness, slowly reducing to a warm 1800K before dimming completely.

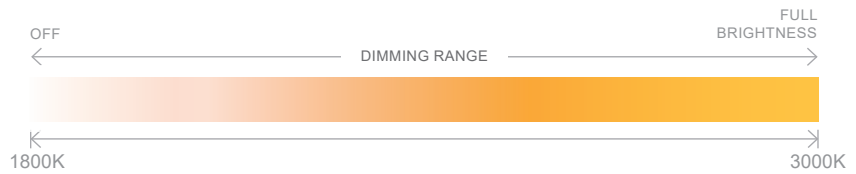
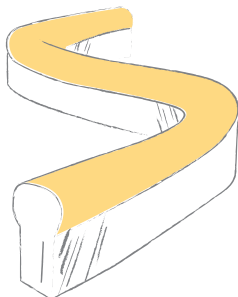
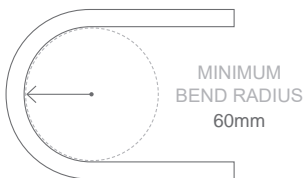
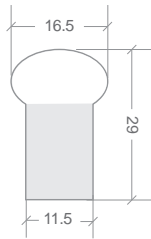
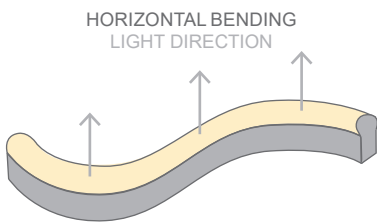
**Neon is made to order, check with our team for lead times.**

**APPLICATIONS**

- Cove lighting, handrails, or toekicks
- Architectural features
- Exterior or interior installations
- Swimming or feature pools

**FEATURES**

- A perfect replacement for traditional glass neon tube



CODE	COLOUR	LUMENS
BL-LS-4580S-DTW	EXTRA WARM WHITE 1800K +/- 100K	2lm/m
	WARM WHITE 3000K +/- 220K	440lm/m

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

**POWER & TEMP**

LED WATTS	12W/m
INPUT VOLTS	24V DC Constant voltage
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +55°C
MAX. RUN PER POWER FEED	15m using one feed 30m using two feeds

**LIGHT & LIFE**

CRI	≥80 (1800K) ≥90 (3000K)
BEAM ANGLE	180°
LED PER METRE	144
SOURCE LIFE	50,000 hours

WARRANTY 5 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 or IP68 Protection established by use of connectors. <i>Dimensions of connectors shown on installation guide</i> SEE PAGE 26.
CUTTING LENGTH	83.3mm
HOUSING	UV & flame resistant white silicone with opal diffuser
MOUNTING	Profile / clips available SEE PAGE 27.
CONTROL	Dimmable by PWM signal



**NEON CLASSIC | RGB | SILICONE**



PHOTO CREDIT: VICTOR CARINGAL FROM ARUP

Neon Classic is domed top model of W16.5 x 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.**

**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

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.

**POWER & TEMP**

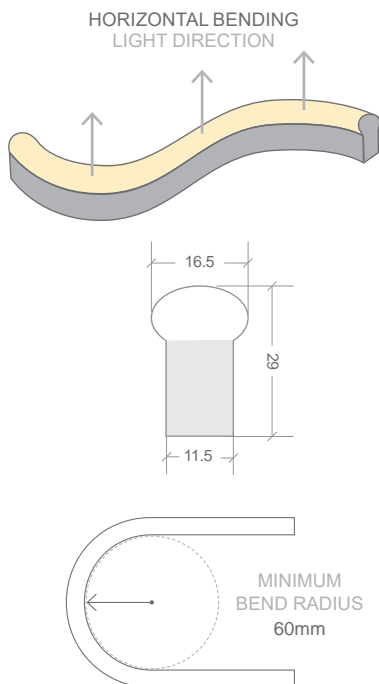
LED WATTS	12W/m
INPUT VOLTS	24V DC Constant voltage
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +55°C
MAX. RUN PER POWER FEED	<b>Static full loading*</b> 10m using one feed 20m using two feeds <b>Dynamic operating*</b> 15m using one feed 30m using two feeds

**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 x H29mm (W11.5mm at the base)
INGRESS PROTECTION	IP67 or IP68 Protection established by use of connectors. <i>Dimensions of connectors shown on installation guide</i> SEE PAGE 26.
CUTTING LENGTH	100mm
HOUSING	UV & flame resistant white silicone with opal diffuser
MOUNTING	Profile / clips available SEE PAGE 27.
CONTROL	Requires 3-channel RGB controller or compatible DMX-512 controller & decoder



**\*STATIC VS DYNAMIC OPERATING**

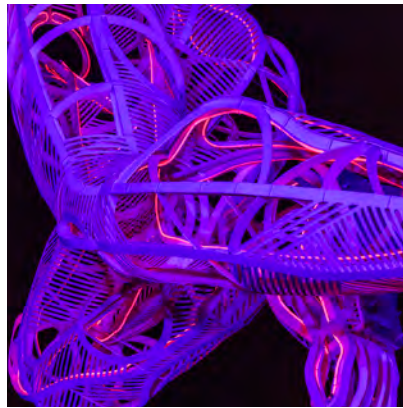
This product has a maximum wattage of 12W/m which is reached when all colours R+G+B are used simultaneously to create a white tone, with 3 x colour channels using approximately 4W/m each. Using Neon at this maximum load is called Static full loading (all colour channels, all powered continuously).

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 | RGBW | SILICONE

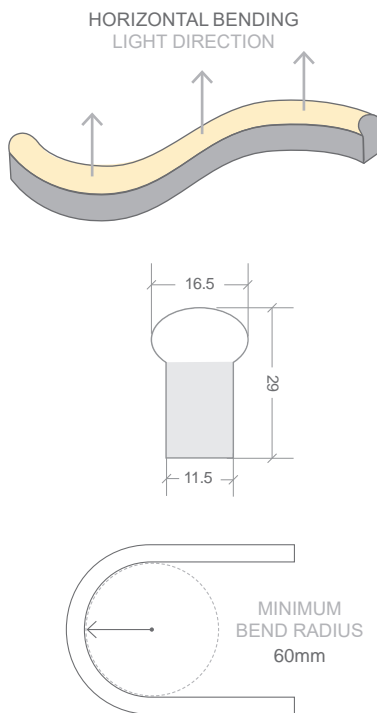


RUNNING MAN 'THE SPRINTER' | SYDNEY | PHOTO CREDIT: JACKIE CHAN

Neon Classic is domed top model measuring W16.5 × H29mm (W11.5mm at the base).

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 soft pastel effects.

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



CODE	COLOUR	LUMENS
BL-LS-4800S-RGBW	R 615–625nm	≥60lm/m
	G 520–530nm	≥140lm/m
	B 465–475nm	≥30lm/m
	W 3000K +/- 220K	≥140lm/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	<b>Static full loading*</b> 8m using one feed 16m using two feeds <b>Dynamic operating*</b> 12m using one feed 24m using two feeds

### LIGHT & LIFE

CRI	≥80 (white chip only)
BEAM ANGLE	180°
LED PER METRE	60
SOURCE LIFE	50,000 hours
WARRANTY	5 years

### APPLICATIONS

- Creative colour installations. Soften colours to pastels.
- 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

### PHYSICAL PARAMETERS & CONTROL

MINIMUM BEND RADIUS	60mm
BEND DIRECTION	Horizontal bending
DIMENSIONS	W16.5 × H29mm (W11.5mm at the base)
INGRESS PROTECTION	IP68 Slimline Injection moulding connections <i>Dimensions of connectors shown on installation guide</i> SEE PAGE 26.
CUTTING LENGTH	100mm
HOUSING	UV & flame resistant white silicone with opal diffuser
MOUNTING	Profile / clips available SEE PAGE 27.
CONTROL	Requires 4-channel RGB 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.**

**NEON CLASSIC | RGB CHASING | SILICONE**

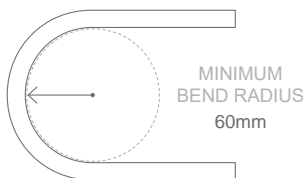
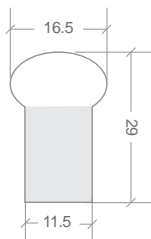
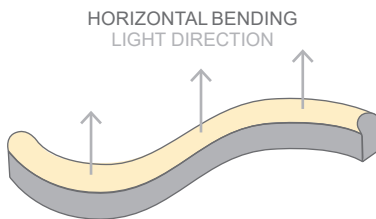


PHOTO CREDIT: VICTOR CARINGAL FROM ARUP

Neon Classic is domed top model measuring 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. 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.**



**\*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 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.**

**APPLICATIONS**

- Dynamic colour installations that chase, blend, flow, flash, skip, or fade
- Signage & cove lighting
- Architectural features
- Exterior or interior installations
- Swimming or feature pools

**FEATURES**

- A perfect replacement for traditional glass neon tube

CODE	COLOUR	LUMENS
BL-LS-4700S-RGBC	R 615–625nm	≥60lm/m
	G 520–530nm	≥150lm/m
	B 465–475nm	≥30lm/m

*ELECTRICAL & OPTICAL DATA VARIANCE +/- 10%. SOLD BY THE METRE. IES FILES AVAILABLE. WHITE, TUNEABLE WHITE & RGBW CHASING OPTIONS AVAILABLE.*

POWER & TEMP		PHYSICAL PARAMETERS & CONTROL	
LED WATTS	12W/m	MINIMUM BEND RADIUS	60mm
INPUT VOLTS	24V DC Constant voltage <i>Onboard constant current</i>	BEND DIRECTION	Horizontal bending
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +55°C	DIMENSIONS	W16.5 × H29mm (W11.5mm at the base)
MAX. RUN PER POWER FEED	<b>Static full loading*</b> 10m using one feed 20m using two feeds <b>Dynamic operating*</b> 15m using one feed 30m using two feeds	INGRESS PROTECTION	IP67 or IP68 Protection established by use of connectors. <i>Dimensions of connectors shown on installation guide</i>
LIGHT & LIFE		CUTTING LENGTH	125mm
BEAM ANGLE	180°	HOUSING	UV & flame resistant white silicone with opal diffuser
LED PER METRE	56	MOUNTING	Profile / clips available <i>SEE PAGE 27.</i>
PIXELS PER METRE	8	CONTROL	Requires SPI controller or can be controller by DMX controller via SPI decoder.
SOURCE LIFE	50,000 hours		
WARRANTY	5 years		



**NEON CLASSIC | RGBW**

RUNNING MAN SCULPTURE - SYDNEY, AUSTRALIA  
PHOTO CREDIT: JACKIE CHAN



**NEON CLASSIC | 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**



REQUIRES FITTING AT FACTORY.  
EXACT LENGTH REQUIRED BEFORE PRODUCTION



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

AVAILABLE FOR ALL COLOUR TYPES



NOTE: FOR SAUNA MODEL SLIMLINE INJECTION MOULDING CONNECTOR ARE RATED FOR IP67

**SNAP CONNECTIONS | IP67**

**ON-SITE FITTING**



FITTING ON-SITE - WHERE LENGTHS ARE UNKNOWN IN ADVANCE.  
MUST BE FITTED CORRECTLY FOR IP RATING



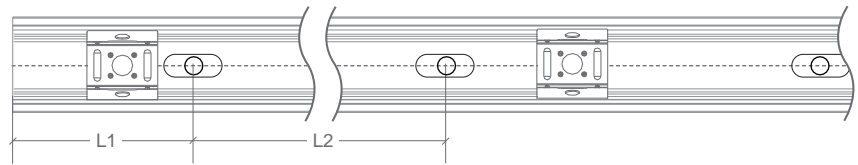
TOP END FEED      END CAP      300MM FLEXIBLE CONNECTOR

01      02      01      02

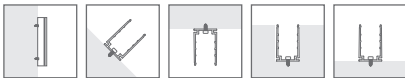
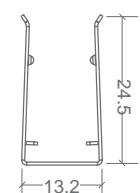
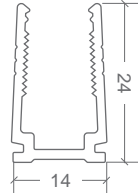
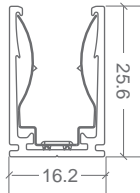
WHITE / DIM TO WARM	BL-LS-4514	BL-LS-4515	BL-LS-4526	BL-LS-4527	BL-LS-4516
TUNEABLE WHITE	BL-LS-4517	BL-LS-4518	BL-LS-4526	BL-LS-4527	BL-LS-4519
RGB	BL-LS-4520	BL-LS-4521	BL-LS-4526	BL-LS-4527	BL-LS-4522
RGB CHASING	BL-LS-4523	BL-LS-4524	BL-LS-4526	BL-LS-4527	BL-LS-4525

NOTE: SNAP CONNECTORS ARE NOT AVAILABLE FOR RGBW OR SAUNA MODELS

## NEON CLASSIC | MOUNTING ACCESSORIES

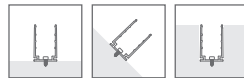


CODE	ACCESSORY	L1	L2	HOLE DIMENSIONS	HOLE NUMBER	CLIP NUMBER
BL-LS-4003	SELF-LOCKING ALUMINIUM PROFILE 2M	100mm	200mm	4 × 10mm	10	9
BL-LS-4004	SELF-LOCKING ALUMINIUM MOUNTING CLIP 35MM	5mm	25mm	4 × 10mm	2	1
BL-LS-4005	PLASTIC PROFILE 2M	100mm	200mm	Ø3.5mm	10	-
BL-LS-4006	PLASTIC PROFILE 1M	100mm	200mm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

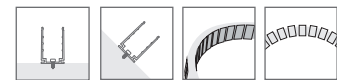
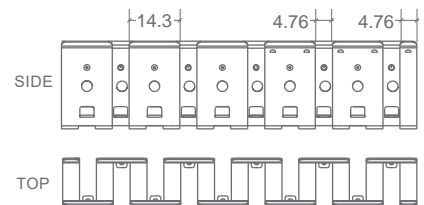


**SELF-LOCKING ALUMINIUM  
PROFILE 2M / MOUNTING CLIP**

*Not recommend for underwater use*



**PLASTIC PROFILE**



**BENDABLE STAINLESS STEEL  
PROFILE 890MM**

**NEON EDGE | WHITE**

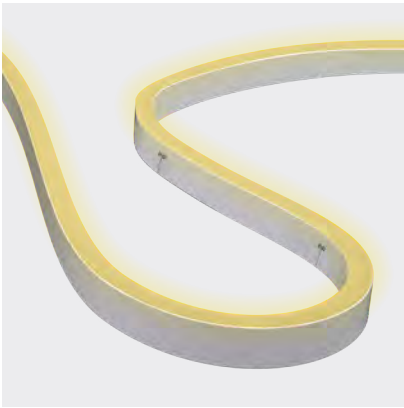
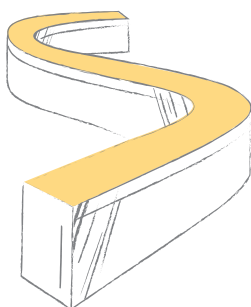
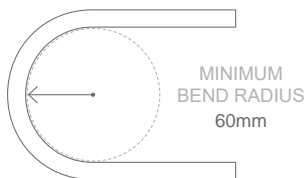
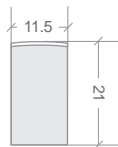
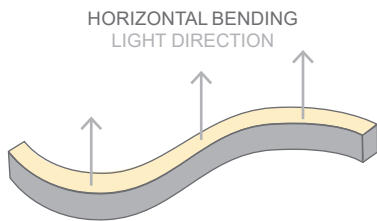


IMAGE COURTESY OF SEALEGS INTERNATIONAL LTD

Neon Edge is a sleek W11.5 × H21mm model perfect for cove lighting, handrails, or architectural features in exterior and interior applications.

White Classic has options for various white light colours from 2200 – 5700K. Warmer temperatures create a cozy feel that is perfect for evenings, while cooler temperatures simulate day light, creating a more alert feel.

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



**APPLICATIONS**

- Cove lighting, handrails, or toekicks
- Architectural features
- Exterior or interior installations
- Swimming or feature pools

**FEATURES**

- UV & flame resistant
- 6W/m option available for use in saunas or steam rooms

CODE	COLOUR	LUMENS
BL-LS-4030S-27	WARM WHITE 2700K +/- 125K	≥360lm/m
BL-LS-4030S-30	WARM WHITE 3000K +/- 150K	≥400lm/m
BL-LS-4030S-40	NATURAL WHITE 4000K +/- 165K	≥400lm/m
BL-LS-4030S-57	COOL WHITE 5700K +/- 335K	≥400lm/m

*ELECTRICAL & OPTICAL DATA VARIANCE +/- 10%. SOLD BY THE METRE. IES FILES AVAILABLE. 2200K & 3500K AVAILABLE BY REQUEST.*

**POWER & TEMP**

LED WATTS	12W/m
INPUT VOLTS	24V DC Constant voltage Onboard constant current

OPERATING TEMP. (ENVIRONMENT) -40°C ~ +55°C

MAX. RUN PER POWER FEED	15m using one feed 30m using two feeds
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**LIGHT & LIFE**

CRI ≥80

BEAM ANGLE 160°

LED PER METRE 72

SOURCE LIFE 50,000 hours

WARRANTY 5 years

**PHYSICAL PARAMETERS & CONTROL**

MINIMUM BEND RADIUS 60mm

BEND DIRECTION Horizontal bending

DIMENSIONS W11.5 × H21mm

INGRESS PROTECTION IP67 or IP68  
Protection established by use of connectors.  
*Dimensions of connectors shown on installation guide* SEE PAGE 36.

CUTTING LENGTH 83.3mm

HOUSING UV & flame resistant white silicone with opal diffuser

MOUNTING Profile / clips available SEE PAGE 37.

CONTROL Dimmable by PWM signal

**DON'T SEE THE OPTION FOR YOU? LET US KNOW WHAT YOU ARE LOOKING FOR AND WE'LL SEE WHAT WE CAN DO!**

## NEON EDGE | WHITE | SAUNA



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 Edge is a sleek W11.5 × H21mm horizontal bending model, perfect for recessing to create a flush surface.

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

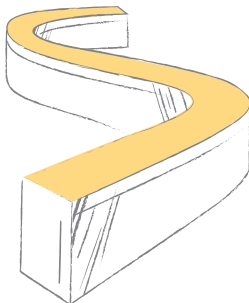
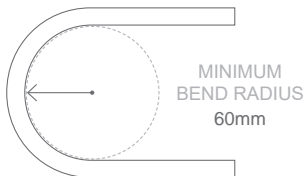
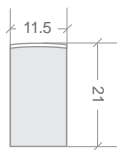
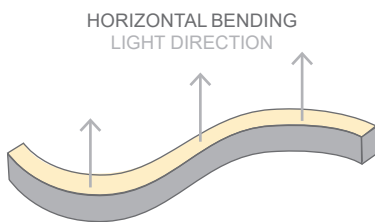
**Neon is made to order, check with our team for lead times.**

### APPLICATIONS

- Sauna
- Steam rooms

### FEATURES

- Sauna model allows for a higher operating temperature range than standard Neon products



CODE	COLOUR	LUMENS
BL-LS-4070S-27	WARM WHITE 2700K +/- 110K	≥180lm/m
BL-LS-4070S-30	WARM WHITE 3000K +/- 150K	≥200lm/m
BL-LS-4070S-40	NATURAL WHITE 4000K +/- 175K	≥200lm/m
BL-LS-4070S-57	COOL WHITE 5700K +/- 335K	≥200lm/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
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +90°C

MAX. RUN PER POWER FEED 10 metres

### LIGHT & LIFE

CRI	≥80
BEAM ANGLE	160°
LED PER METRE	72
SOURCE LIFE	50,000 hours
WARRANTY	3 years

### PHYSICAL PARAMETERS & CONTROL

MINIMUM BEND RADIUS	60mm
BEND DIRECTION	Horizontal bending
DIMENSIONS	W11.5 × H21mm
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 37.</i>
CONTROL	Dimmable by PWM signal



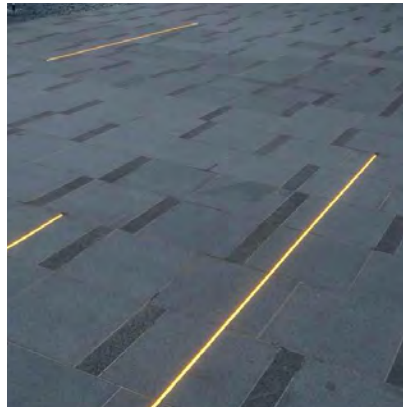
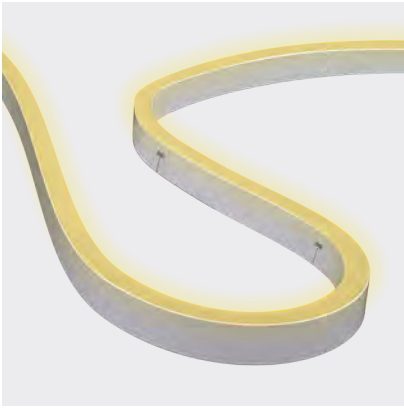


**NEON EDGE | DYNAMIC WHITE**

SCRIBBLY GUM BY JADE OAKLEY.  
ACT LAW COURTS, CANBERRA CITY, AUSTRALIA  
LIGHTING DESIGN BY NORTHROP CONSULTING ENGINEERS  
PHOTO CREDIT: BEN WRIGLEY | COURTESY [WWW.CREATIVEROAD.COM.AU](http://WWW.CREATIVEROAD.COM.AU)



## NEON EDGE | TUNEABLE WHITE



### APPLICATIONS

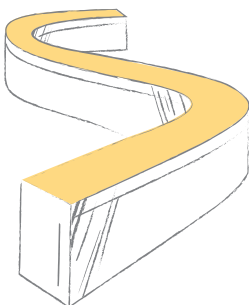
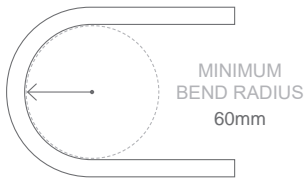
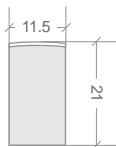
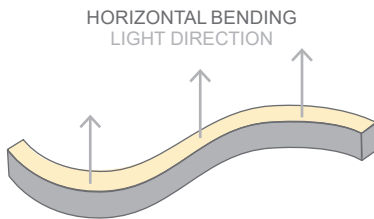
- Ideal for applications where colour temperature adjustment is required
- Cove lighting, handrails, or toe kicks
- Architectural features
- Exterior or interior installations
- Swimming or feature pools

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 Edge is a sleek W11.5 × H21mm model.

Tuneable White lighting can be adjusted to suit the environment and time of day. Warmer temperatures create a cosy feel that is perfect for evenings, while cooler temperatures simulate day light, creating a more alert feel.

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



CODE	COLOUR	LUMENS
BL-LS-4400S	WARM WHITE 2200K +/- 120K	≥140lm/m
	COOL WHITE 5700K +/- 285K	≥170lm/m

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

### POWER & TEMP

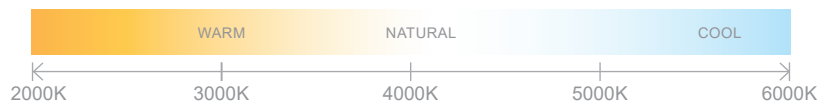
LED WATTS	12W/m
INPUT VOLTS	24V DC Constant voltage
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +55°C
MAX. RUN PER POWER FEED	15m using one feed 30m using two feeds

### LIGHT & LIFE

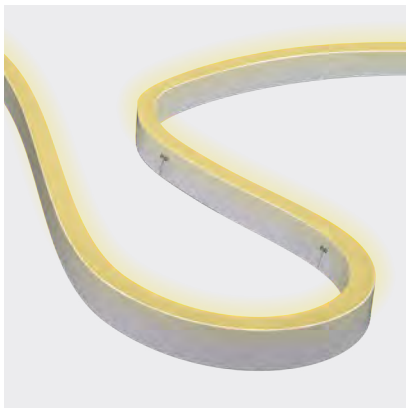
CRI	≥80
BEAM ANGLE	160°
LED PER METRE	144
SOURCE LIFE	50,000 hours
WARRANTY	5 years

### PHYSICAL PARAMETERS & CONTROL

MINIMUM BEND RADIUS	60mm
BEND DIRECTION	Horizontal bending
DIMENSIONS	W11.5 × H21mm
INGRESS PROTECTION	IP67 or IP68 Protection established by use of connectors. <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 37.</i>
CONTROL	Requires 2-channel controller



**NEON EDGE | DIM TO WARM**



Neon is a broad range of silicone encapsulated LED ribbons with a variety of light emissions and casings that closely reference glass neon tube.

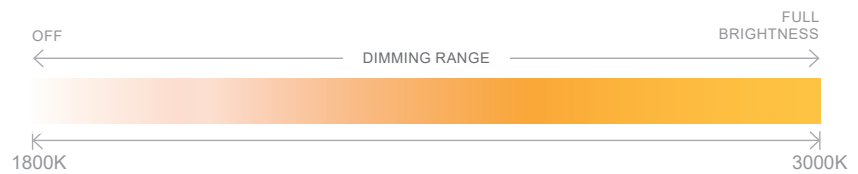
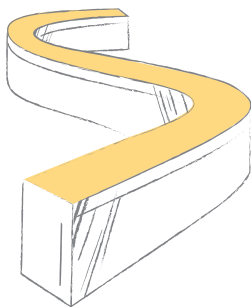
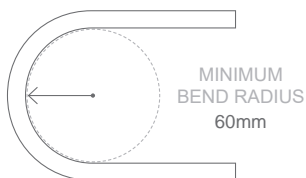
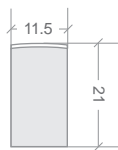
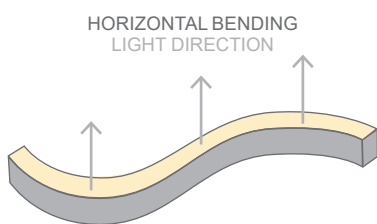
Neon Edge is a sleek W11.5 × H21mm model perfect for architectural features in exterior and interior applications.

Dim to Warm allows the lighting to warm up as the light is dimmed, creating a cozy feel that is perfect for evenings. It provides 3000K lighting at full brightness, slowly reducing to a warm 1800K before dimming completely.

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

**APPLICATIONS**

- Cove lighting, handrails, or toe-kicks
- Architectural features
- Exterior or interior installations
- Swimming or feature pools



CODE	COLOUR	LUMENS
BL-LS-4030S-DTW	EXTRA WARM WHITE 1800K +/- 100K	2lm/m
	WARM WHITE 3000K +/- 220K	340lm/m

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

**POWER & TEMP**

LED WATTS	12W/m
INPUT VOLTS	24V DC Constant voltage <i>Onboard constant current</i>
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +55°C
MAX. RUN PER POWER FEED	15m using one feed 30m using two feeds

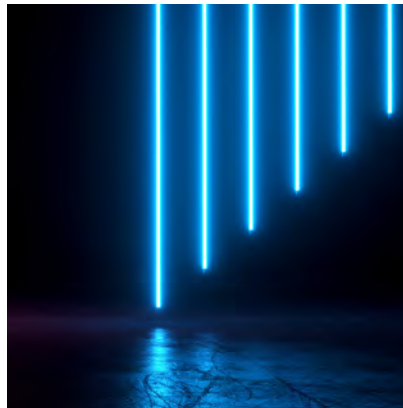
**LIGHT & LIFE**

CRI	≥80 (1800K) ≥90 (3000K)
BEAM ANGLE	160°
LED PER METRE	144
SOURCE LIFE	50,000 hours
WARRANTY	5 years

**PHYSICAL PARAMETERS & CONTROL**

MINIMUM BEND RADIUS	60mm
BEND DIRECTION	Horizontal bending
DIMENSIONS	W11.5 × H21mm
INGRESS PROTECTION	IP67 or IP68 Protection established by use of connectors. <i>SEE PAGE 36.</i>
CUTTING LENGTH	83.3mm
HOUSING	UV & flame resistant white silicone with opal diffuser
MOUNTING	Profile / clips available <i>SEE PAGE 37.</i>
CONTROL	Dimmable by PWM signal

## NEON EDGE | RGB



### APPLICATIONS

- Creative colour installations. Theatres, bars, restaurants, and retail
- Cove lighting, handrails, or toe kicks
- Architectural features
- Exterior or interior installations
- Swimming or feature pools

### FEATURES

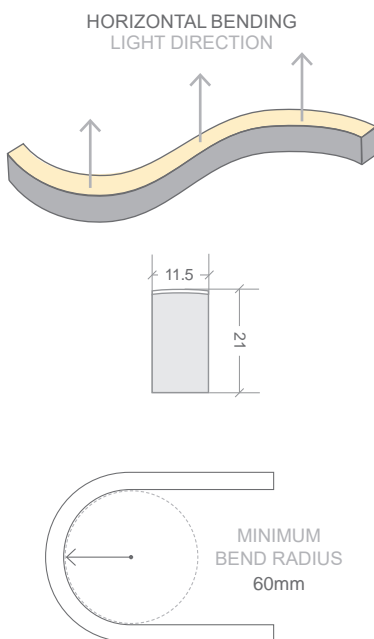
- UV & flame resistant
- Options available for use around salt or chlorinated water

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 Edge is a sleek W11.5 × H21mm model.

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-4100S-RGB	R 615–625nm	≥50lm/m
	G 520–530nm	≥120lm/m
	B 465–475nm	≥25lm/m

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

### POWER & TEMP

LED WATTS	12W/m
INPUT VOLTS	24V DC Constant voltage
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +55°C
MAX. RUN PER POWER FEED	<b>Static full loading*</b> 10m using one feed 20m using two feeds <b>Dynamic operating*</b> 15m using one feed 30m using two feeds

### LIGHT & LIFE

BEAM ANGLE	160°
LED PER METRE	60
SOURCE LIFE	50,000 hours
WARRANTY	5 years

### PHYSICAL PARAMETERS & CONTROL

MINIMUM BEND RADIUS	60mm
BEND DIRECTION	Horizontal bending
DIMENSIONS	W11.5 × H21mm
INGRESS PROTECTION	IP67 or IP68 Protection established by use of connectors. <i>Dimensions of connectors shown on installation guide</i>
CUTTING LENGTH	100mm
HOUSING	UV & flame resistant white silicone with opal diffuser
MOUNTING	Profile / clips available <i>SEE PAGE 37.</i>
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).

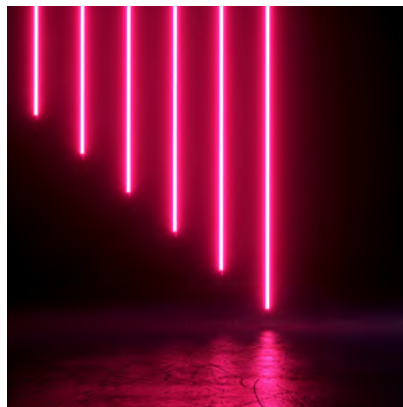
When R, G or B channels are used individually or blended to make colour mixes eg blue or purple (excluding white tones) the wattage used is below the maximum load and is considered dynamic operating. This also applies when the colours are constantly changing (including if a white tone is created but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



**APPLICATIONS**

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

**FEATURES**

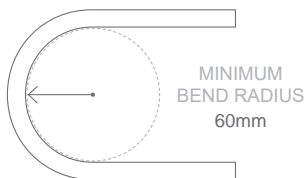
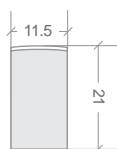
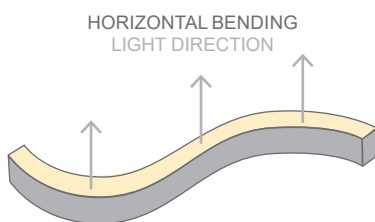
- UV & flame resistant

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 Edge is a sleek W11.5 × H21mm model.

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.**



CODE	COLOUR	LUMENS
BL-LS-4150S-RGBW	R 615–625nm	≥50lm/m
	G 520–530nm	≥120lm/m
	B 465–475nm	≥25lm/m
	W 3000K +/- 220K	≥120lm/m

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

POWER & TEMP		PHYSICAL PARAMETERS & CONTROL	
LED WATTS	15W/m	MINIMUM BEND RADIUS	60mm
INPUT VOLTS	24V DC Constant voltage	BEND DIRECTION	Horizontal bending
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +45°C	DIMENSIONS	W11.5 × H21mm
MAX. RUN PER POWER FEED	<b>Static full loading*</b> 8m using one feed 16m using two feeds  <b>Dynamic operating*</b> 12m using one feed 24m using two feeds	INGRESS PROTECTION	IP68 Slimline Injection moulding connections <i>Dimensions of connectors shown on installation guide</i> SEE PAGE 36.
CUTTING LENGTH	100mm	HOUSING	UV & flame resistant white silicone with opal diffuser
LIGHT & LIFE		MOUNTING	Profile / clips available SEE PAGE 37.
CRI	≥80 <i>(white chip only)</i>	CONTROL	Requires 4-channel RGB controller or compatible DMX-512 controller & decoder
BEAM ANGLE	160°		
LED PER METRE	60		
SOURCE LIFE	50,000 hours		
WARRANTY	5 years		

**\*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.**

## NEON EDGE | RGB CHASING



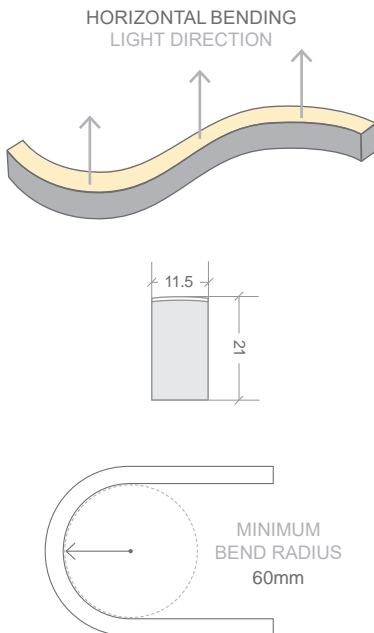
RECESSED INTO KORU SCULPTURE

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 Edge is a sleek W11.5 × H21mm model.

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.

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



### \*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 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.**

### APPLICATIONS

- Dynamic colour installations that chase, blend, flow, flash, skip, or fade
- Cove lighting, handrails, or toe-kicks
- Architectural features
- Exterior or interior installations
- Swimming or feature pools

### FEATURES

- UV & flame resistant

CODE	COLOUR	LUMENS
BL-LS-4200S-RGBC	R 615–625nm	≥30lm/m
	G 520–530nm	≥75lm/m
	B 465–475nm	≥15lm/m

*ELECTRICAL & OPTICAL DATA VARIANCE +/- 10%. SOLD BY THE METRE. IES FILES AVAILABLE. WHITE, TUNEABLE WHITE & RGBW CHASING OPTIONS AVAILABLE.*

POWER & TEMP		PHYSICAL PARAMETERS & CONTROL	
LED WATTS	12W/m	MINIMUM BEND RADIUS	60mm
INPUT VOLTS	24V DC Constant voltage <i>Onboard constant current</i>	BEND DIRECTION	Horizontal bending
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +55°C	DIMENSIONS	W11.5 × H21mm
MAX. RUN PER POWER FEED	<b>Static full loading*</b> 10m using one feed 20m using two feeds <b>Dynamic operating*</b> 15m using one feed 30m using two feeds	INGRESS PROTECTION	IP67 or IP68 Protection established by use of connectors. <i>Dimensions of connectors shown on installation guide</i> <b>SEE PAGE 36.</b>
<b>LIGHT &amp; LIFE</b>		CUTTING LENGTH	125mm
BEAM ANGLE	160°	HOUSING	UV & flame resistant white silicone with opal diffuser
LED PER METRE	56	MOUNTING	Profile / clips available <b>SEE PAGE 37.</b>
PIXELS PER METRE	8	CONTROL	Requires SPI controller or can be controller by DMX controller via SPI decoder.
SOURCE LIFE	50,000 hours		
WARRANTY	5 years		

**NEON EDGE | SILICONE | 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).

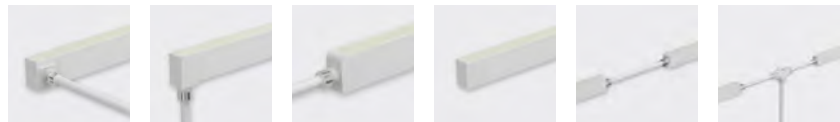
Power feed connectors are priced & supplied with 1metre cable as standard. Please specific at time of quoting if alternate lengths are required.

**SLIMLINE INJECTION MOULDING CONNECTIONS | IP68**

**RECOMMENDED**



REQUIRES FITTING AT FACTORY.  
EXACT LENGTH REQUIRED BEFORE PRODUCTION



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

AVAILABLE FOR ALL COLOUR TYPES



NOTE: FOR SAUNA MODEL SLIMLINE INJECTION MOULDING CONNECTOR ARE RATED FOR IP67

**SNAP CONNECTIONS | IP67**

**ON-SITE FITTING**



FITTING ON-SITE - WHERE LENGTHS ARE UNKNOWN IN ADVANCE.  
MUST BE FITTED CORRECTLY FOR IP RATING



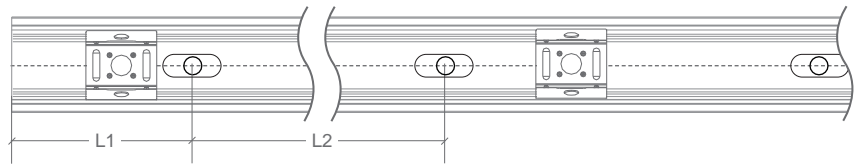
TOP END FEED      END CAP      300MM FLEXIBLE CONNECTOR

01      02      01      02

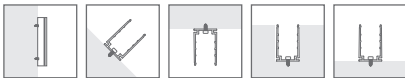
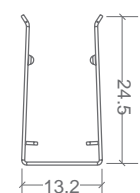
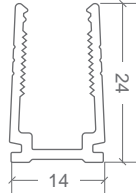
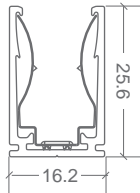
WHITE / DIM TO WARM	BL-LS-4014	BL-LS-4015	BL-LS-4026	BL-LS-4027	BL-LS-4016
TUNEABLE WHITE	BL-LS-4017	BL-LS-4018	BL-LS-4026	BL-LS-4027	BL-LS-4019
RGB	BL-LS-4020	BL-LS-4021	BL-LS-4026	BL-LS-4027	BL-LS-4022
RGB CHASING	BL-LS-4023	BL-LS-4024	BL-LS-4026	BL-LS-4027	BL-LS-4025

NOTE: SNAP CONNECTORS ARE NOT AVAILABLE FOR RGBW OR SAUNA MODELS

**NEON EDGE | MOUNTING ACCESSORIES**

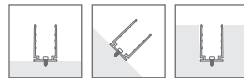


CODE	ACCESSORY	L1	L2	HOLE DIMENSIONS	HOLE NUMBER	CLIP NUMBER
BL-LS-4003	SELF-LOCKING ALUMINIUM PROFILE 2M	100mm	200mm	4 × 10mm	10	9
BL-LS-4004	SELF-LOCKING ALUMINIUM MOUNTING CLIP 35MM	5mm	25mm	4 × 10mm	2	1
BL-LS-4005	PLASTIC PROFILE 2M	100mm	200mm	Ø3.5mm	10	-
BL-LS-4006	PLASTIC PROFILE 1M	100mm	200mm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

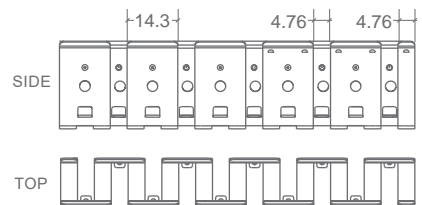


**SELF-LOCKING ALUMINIUM PROFILE 2M / MOUNTING CLIP**

*Not recommend for underwater use*



**PLASTIC PROFILE**



**BENDABLE STAINLESS STEEL PROFILE 890MM**



**NEON MICRO EDGE | WHITE**

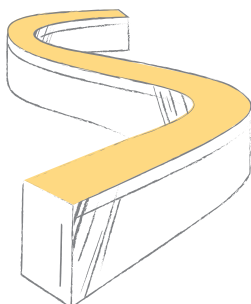
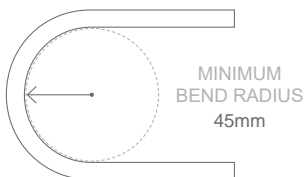
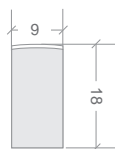
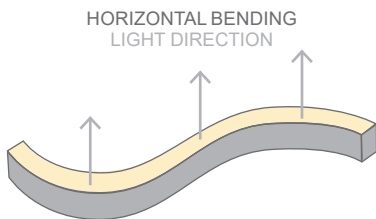


DIBBLE SCULPTURE, DUNEDIN USING 5700K MICRO EDGE

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 Micro Edge is a sleek W9 × H18mm model perfect for cove lighting, handrails, or architectural features in exterior and interior applications.

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



**APPLICATIONS**

- Cove lighting, handrails, or toe-kicks
- Architectural features
- Exterior or interior installations
- Swimming or feature pools

**FEATURES**

- A smaller W9 × H18mm version of our standard Neon Edge

CODE	COLOUR	LUMENS
BL-LS-4050S-30	WARM WHITE 3000K +/- 220K	≥130lm/m
BL-LS-4050S-40	NATURAL WHITE 4000K +/- 290K	≥130lm/m
BL-LS-4050S-57	COOL WHITE 5700K +/- 385K	≥130lm/m

*ELECTRICAL & OPTICAL DATA VARIANCE +/- 10%. SOLD BY THE METRE. IES FILES AVAILABLE. 2200K & 3500K AVAILABLE BY REQUEST.*

**POWER & TEMP**

LED WATTS	4.5W/m
INPUT VOLTS	24V DC Constant voltage
OPERATING TEMP. (ENVIRONMENT)	-40°C ~ +55°C
MAX. RUN PER POWER FEED	30m using one feed 60m using two feeds

**LIGHT & LIFE**

CRI	≥80
BEAM ANGLE	160°
LED PER METRE	72
SOURCE LIFE	50,000 hours
WARRANTY	5 years

**PHYSICAL PARAMETERS & CONTROL**

MINIMUM BEND RADIUS	45mm
BEND DIRECTION	Horizontal bending
DIMENSIONS	W9 × H18mm
INGRESS PROTECTION	IP67 or IP68 Protection established by use of connectors. <i>Dimensions of connectors shown on installation guide</i> <i>SEE NEXT PAGE.</i>
CUTTING LENGTH	83.3mm
HOUSING	UV & flame resistant white silicone with opal diffuser
MOUNTING	Profile / clips available <i>SEE NEXT PAGE.</i>
CONTROL	Dimmable by PWM signal

## NEON MICRO EDGE | WHITE | 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



REQUIRES FITTING AT FACTORY.  
EXACT LENGTH REQUIRED BEFORE PRODUCTION



### SNAP CONNECTIONS | IP67

ON-SITE FITTING



FITTING ON-SITE - WHERE LENGTHS ARE UNKNOWN IN ADVANCE.  
MUST BE FITTED CORRECTLY FOR IP RATING



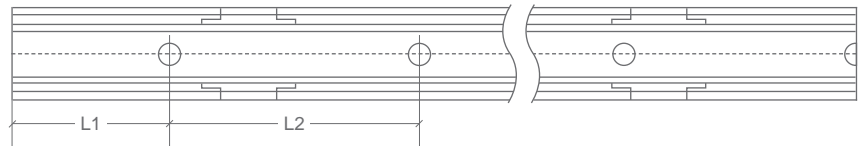
TOP END FEED                      END CAP                      300MM FLEXIBLE CONNECTOR

01                      02                      01                      02

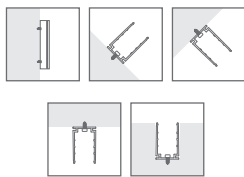
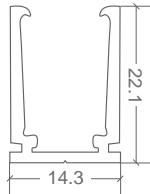
WHITE

BL-LS-4058    BL-LS-4059    BL-LS-4061    BL-LS-4062    BL-LS-4060

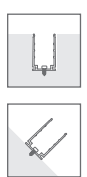
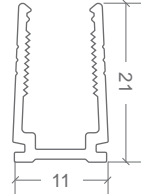
## NEON MICRO EDGE | MOUNTING ACCESSORIES



CODE	ACCESSORY	L1	L2	HOLE DIMENSIONS	HOLE NUMBER
BL-LS-4052	SELF-LOCKING ALUMINIUM PROFILE 2M	100mm	200mm	Ø3.5mm	10
BL-LS-4053	SELF-LOCKING ALUMINIUM MOUNTING CLIP 50MM	25mm	-	Ø3.5mm	1
BL-LS-4054	PLASTIC PROFILE 2M	100mm	200mm	Ø3.5mm	10
BL-LS-4055	PLASTIC PROFILE 1M	100mm	200mm	Ø3.5mm	5



SELF-LOCKING ALUMINIUM PROFILE / MOUNTING CLIP



PLASTIC PROFILE

# GENERAL INFORMATION

## COLOUR INFORMATION

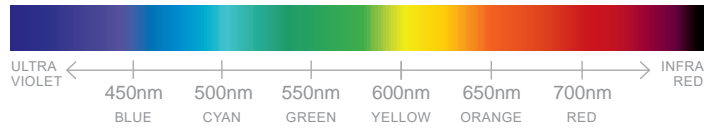
### COLOUR TEMPERATURE

Correlated Colour Temperature, or CCT, refers to the colour appearance of white LEDs and is measured in Kelvins (K).



### VISIBLE SPECTRUM

The visible spectrum is the portion of the electromagnetic spectrum that is visible to the human eye and is measured in nanometres (nm).



NEON CLASSIC | WHITE | RGB

NEXT DOOR BAR - KINGSLAND, AUCKLAND

ckdrinks



## INSTALLATION QUICK HINTS

### BENDING NEON

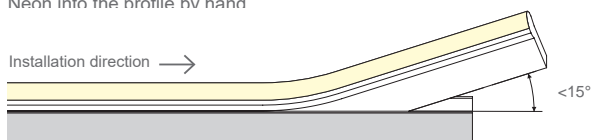
Neon products **only bend one way**. Check the diagrams on the side of the Neon light for the correct bending direction for the specific product. Bending in the wrong direction will damage the PCB.

**Do not twist Neon or bend against the light surface.**

*For minimum bend angle refer to specific product specifications.*

### INSTALLATION / BENDING ANGLE

The bend angle should be less than 15 degrees when installing Neon into the profile by hand



### POWERING UP / TESTING NEON

Do not power Neon when rolled up as the temperature can exceed 100°C and can damage the product. Lay product out straight to allow space for heat dissipation.

### SUPPORTING NEON

Do not allow Neon to bend, twist or hang down as the weight of the light can damage the PCB.

**When working with a length of Neon greater than 2m long, ensure you have at least two installers.**



To ensure correct installation, visit our  
website for model specific  
INSTALLATION & WIRING GUIDES

[www.brightlight.co.nz](http://www.brightlight.co.nz)







***BRIGHTLIGHT***  
**LED LIGHTING SOLUTIONS**