

neon

lightculture)  
INSPIRED LIGHT

The Marquee, Sydney  
NEON X application suggestion

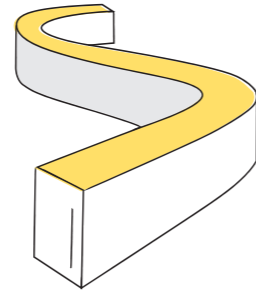
# neon

## THE RANGE

NEON X	6
NEON X MIRCRO	8
NEON Y	10
NEONYMICRO	12
NEON Y3	14
ACCESSORIES	18
CONNECTORS	24
NEON DYNAMIC CHASING	28

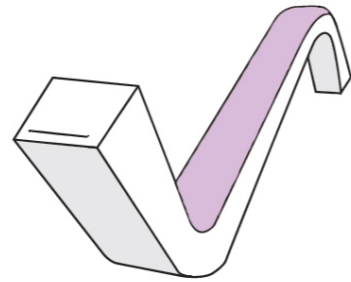
NEON is a broad range of PVC encapsulated LED ribbons with a variety of light emissions and casings that closely reference glass neon tube. Modern LED technology offers a durability that surpasses the traditional glass product and the PVC casing provides UV and flame-resistant protection while distributing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

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.



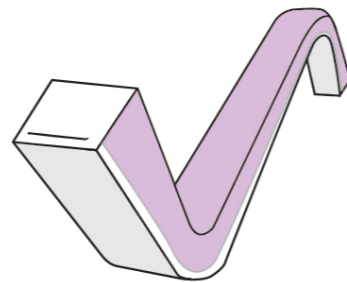
*One Sided | Horizontal bend*

**NEON X**  
**NEON MICRO X**



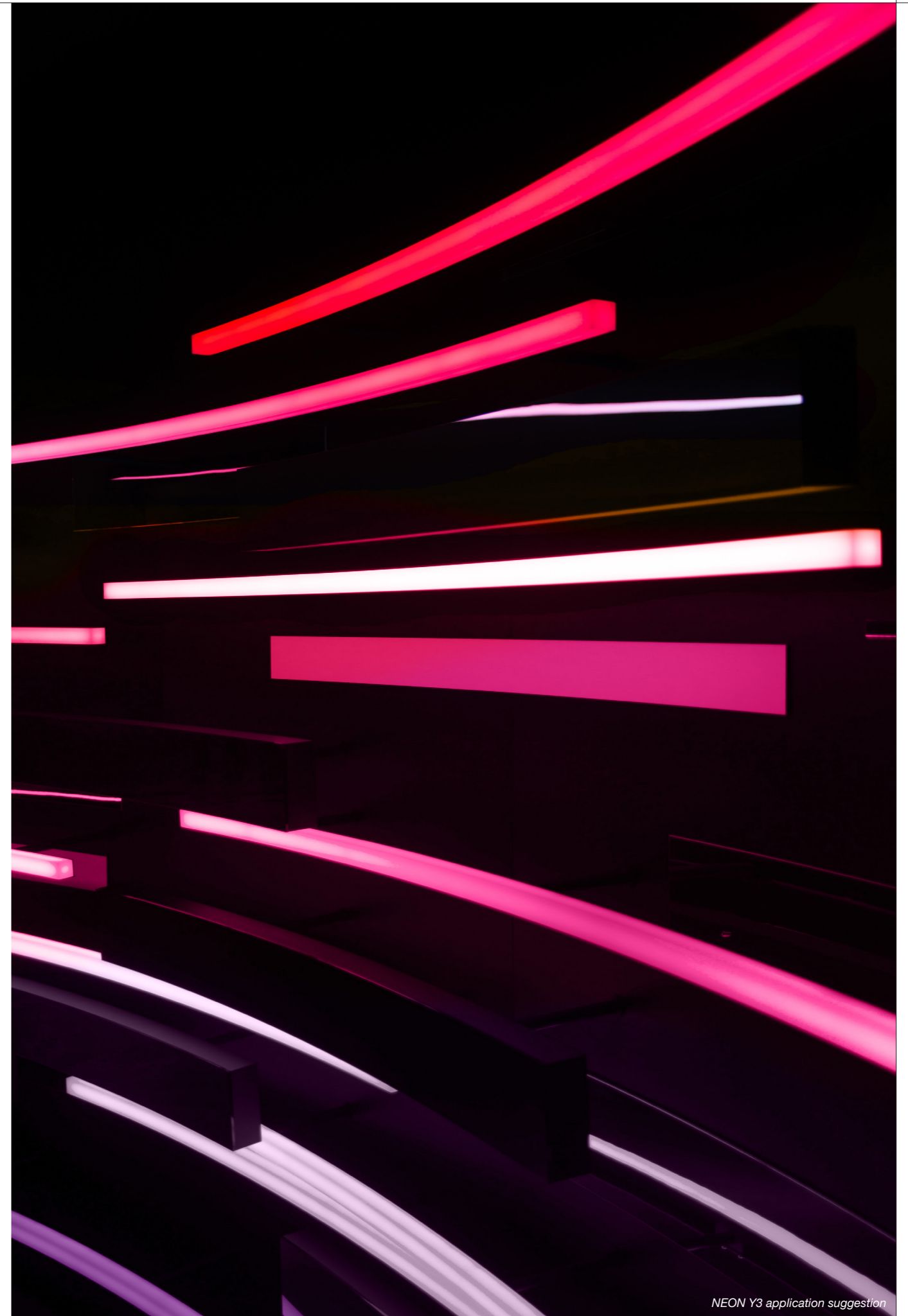
*One Sided | Vertical bend*

**NEON Y**  
**NEON MICRO Y**



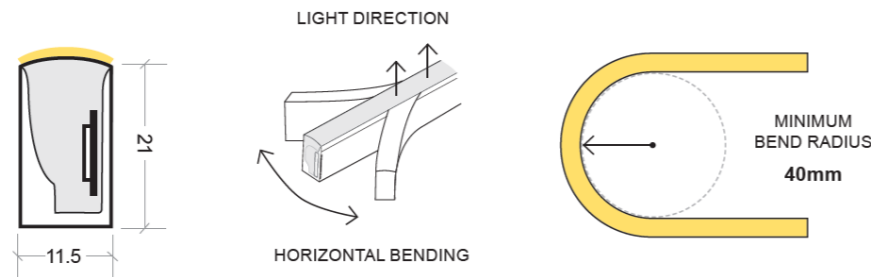
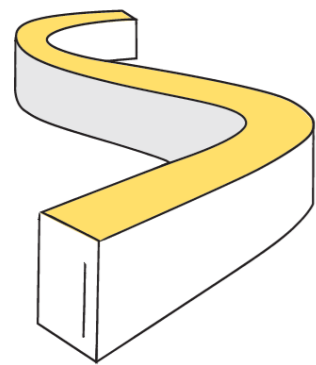
*Three Sided | Vertical bend*

**NEON Y3**



*NEON Y3 application suggestion*

# NEON X



## APPLICATIONS

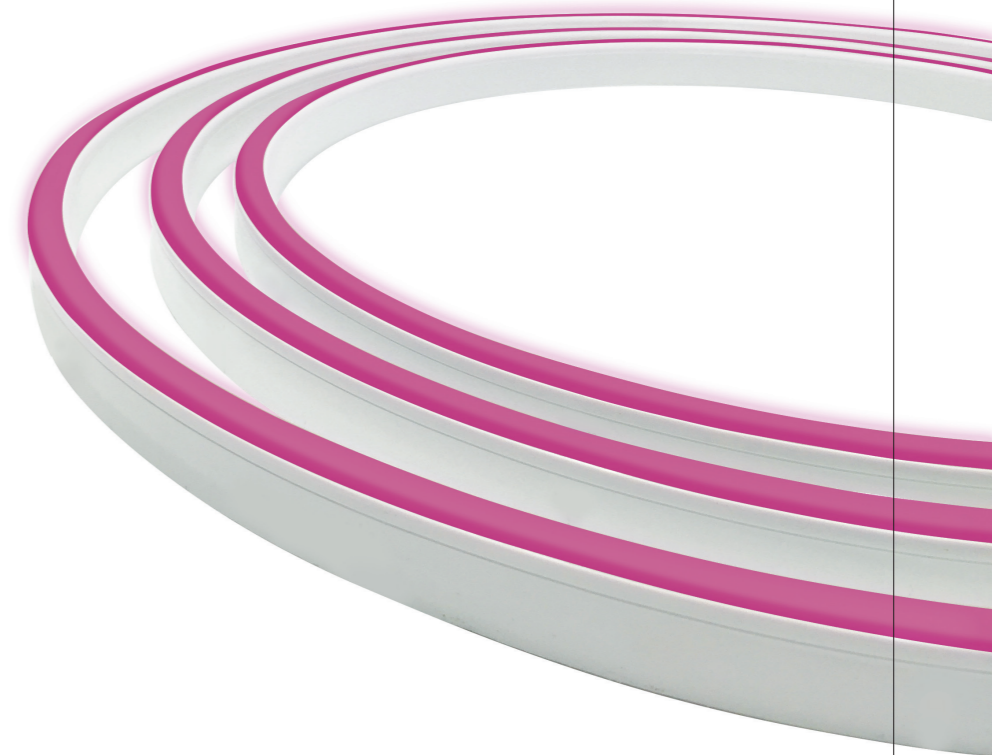
- Theatres, bars, restaurants, & retail
- Cove lighting
- Architectural features
- Exterior or interior installations
- Swimming or feature pools

## FEATURES

- Horizontal bending
- UV & flame resistant
- Suitable for use around salt or chlorinated water

	SINGLE COLOUR		RGB
LED WATTS	10W/m	13W/m	13W/m
<b>COLOUR &amp; LUMENS*</b>	2700K 248lm/m	2700K 395lm/m	Red 451lm/m
	3000K 235lm/m	3000K 364lm/m	Green 133lm/m
	4000K 272lm/m	4000K 414lm/m	Blue 281lm/m
	6500K 301lm/m	6500K 342lm/m	RGB 196lm/m
	Green 260lm/m	Green 366lm/m	(White)
	Blue 301lm/m	Blue 341lm/m	
	Pink 150lm/m	Pink 180lm/m	
<b>INPUT VOLTS</b>	24V DC	24V DC	24V DC
<b>OPERATING TEMP.</b>	-25°C ~ +50°C	-25°C ~ +50°C	-25°C ~ +50°C
<b>MAX RUN PER POWER FEED</b>	15m using one feed	8m using one feed	10m using one feed
	30m using two feeds	16m using two feeds	20m using two feeds
<b>CRI</b>	≥80	≥80	
<b>BEAM ANGLE</b>	120°	120°	120°
<b>LED QTY</b>	72 LED/m	72 LED/m	72 LED/m
<b>SOURCE LIFE</b>	50,000hr	50,000hr	50,000hr
<b>CUTTING LENGTH</b>	83.3mm	83.3mm	83.3mm
<b>MIN BEND RADIUS</b>	40mm	40mm	40mm
<b>CONTROL</b>	Dimmable by PWM signal	Dimmable by PWM signal	Requires 3-channel controller
<b>INGRESS PROTECTION</b>	IP67 Snap Connector or IP68 Injection Moulding	IP67 Snap Connector or IP68 Injection Moulding	IP67 Snap Connector or IP68 Injection Moulding
	<i>Protection established by use of connection type</i>	<i>Protection established by use of connection type</i>	<i>Protection established by use of connection type</i>

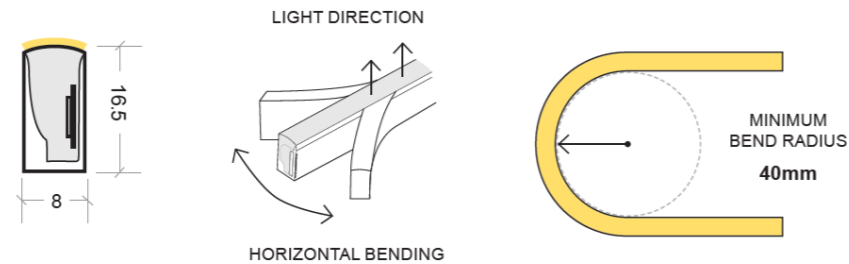
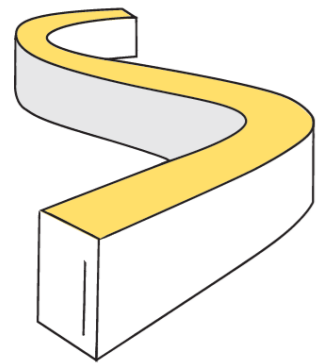
Actual product characteristics may vary.  
\*See product data sheet for more options



NEON X1 HORIZONTAL BENDING

RGBW	DYNAMIC RGB CHASING	DYNAMIC RGBW CHASING	TUNABLE WHITE
17W/m	15W/m	18W/m	15W/m
Red 115lm/m Green 124lm/m Blue 261lm/m 3000K White 144lm/m RGBW (White) 302lm/m	Red 36lm/m Green 97lm/m Blue 19lm/m RGB (White) 141lm/m	Red 35lm/m Green 119lm/m Blue 25lm/m 3000K White 122lm/m	2200K + 5700K 210lm/m + 240lm/m
24V DC	24V DC	24V DC	24V DC
-25°C ~ +50°C	-25°C ~ +50°C	-25°C ~ +50°C	-25°C ~ +50°C
8m using one feed 16m using two feeds	8m using one feed 16m using two feeds	8m using one feed 16m using two feeds	10m using one feed 20m using two feeds
≥80 (white chip only)		≥80 (white chip only)	≥80 (white chip only)
120°	120°	120°	120°
72 LED/m	70 LED/m (10 pixels/m)	70 LED/m (10 pixels/m)	120 LED/m (10 pixels/m)
50,000hr	50,000hr	50,000hr	50,000hr
83.3mm	100mm	100mm	100mm
40mm	40mm	40mm	40mm
Requires 4-channel controller	DMX512 (RS485). Requires controller.	DMX512 (RS485). Requires controller.	Requires 2-channel controller
IP68 Injection Moulding (connector cable plugs recommended)	IP68 Injection Moulding (connector cable plugs recommended)	IP68 Injection Moulding (connector cable plugs recommended)	IP68 Injection Moulding (connector cable plugs recommended)
<i>IP67 DIY Snap connector end cap available for shortening length on-site</i>	<i>IP67 DIY Snap connector end cap available for shortening length on-site</i>	<i>IP67 DIY Snap connector end cap available for shortening length on-site</i>	<i>IP67 DIY Snap connector end cap available for shortening length on-site</i>

# NEON X MICRO



## APPLICATIONS

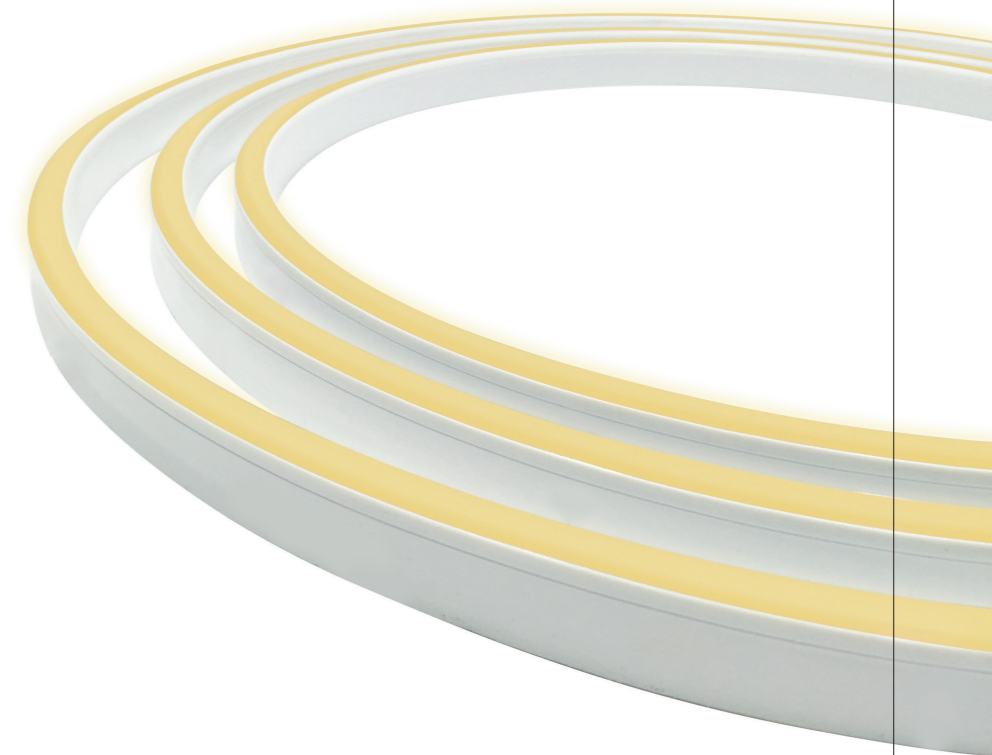
- Theatres, bars, restaurants, & retail
- Cove lighting
- Architectural features
- Exterior or interior installations
- Swimming or feature pools

## FEATURES

- Horizontal bending
- UV & flame resistant
- Suitable for use around salt or chlorinated water
- Single colour

LED WATTS	SINGLE COLOUR			
	5W/m		10W/m	
COLOUR & LUMENS*	2700K	115lm/m	2700K	205lm/m
	3000K	155lm/m	3000K	210lm/m
	4000K	120lm/m	4000K	225lm/m
	6500K	150lm/m	6500K	245lm/m
	Green	140lm/m	Green	200lm/m
	Blue	171lm/m	Blue	251lm/m
	Red	45lm/m	Red	501lm/m
INPUT VOLTS	24V DC		24V DC	
OPERATING TEMP.	-25°C ~ +50°C		-25°C ~ +50°C	
MAX RUN PER POWER FEED	10m using one feed		10m using one feed	
	20m using two feeds		20m using two feeds	
CRI	≥80		≥80	
BEAM ANGLE	120°		120°	
LED TYPE	Epistar SMD LED 2835		Epistar SMD LED 2835	
LED QTY	70 LED/m		120 LED/m	
SOURCE LIFE	50,000hr		50,000hr	
CUTTING LENGTH	100mm		100mm	
MINIMUM BEND RADIUS	40mm		40mm	
CONTROL	Dimmable by PWM signal		Dimmable by PWM signal	
INGRESS PROTECTION	IP67 Snap Connector or IP68 Injection Moulding		IP67 Snap Connector or IP68 Injection Moulding	
	Protection established by use of connection type		Protection established by use of connection type	

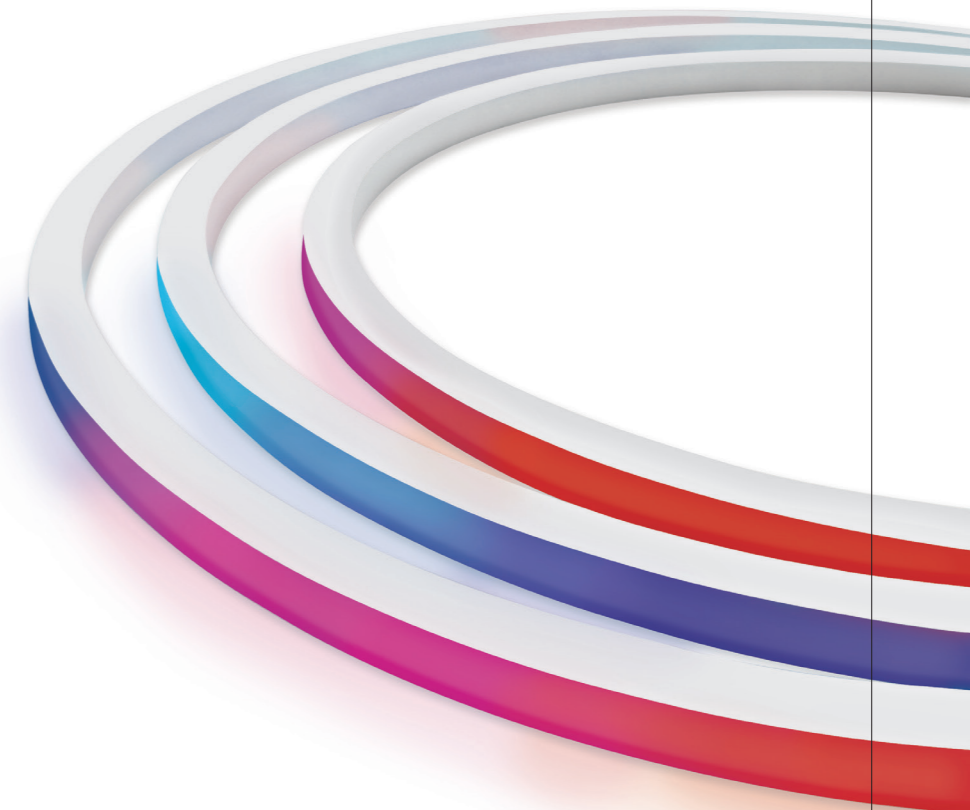
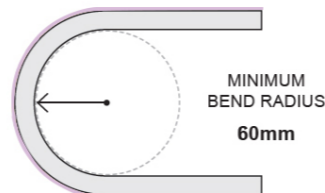
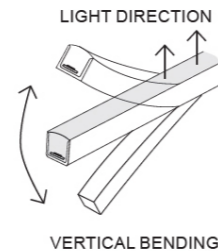
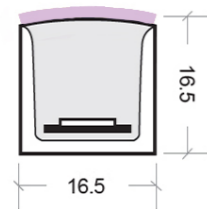
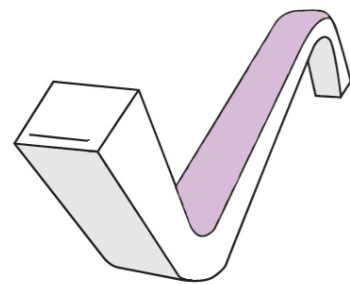
Actual product characteristics may vary.  
\*See product data sheet for more options



Scribbly Gum by Jade Oakley  
ACT Law Courts, Canberra  
NEON X Micro application suggestion

NEON X | HORIZONTAL BENDING

# NEON Y



## APPLICATIONS

- Theatres, bars, restaurants, & retail
- Cove lighting
- Architectural features
- Exterior or interior installations
- Swimming or feature pools

## FEATURES

- Horizontal bending
- UV & flame resistant
- Suitable for use around salt or chlorinated water

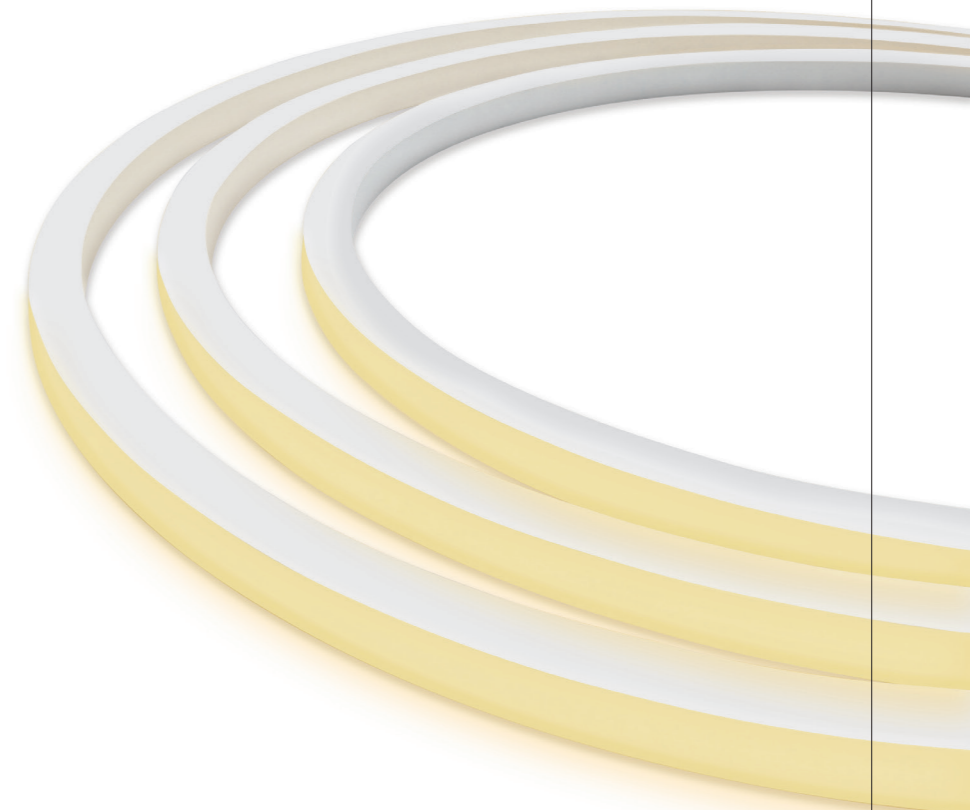
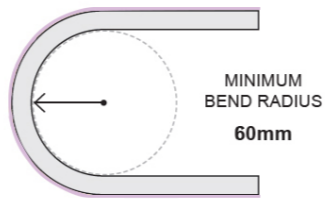
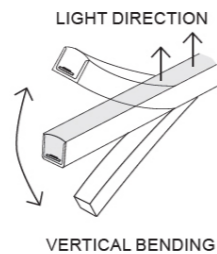
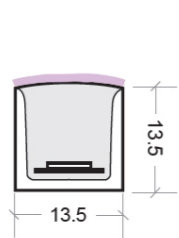
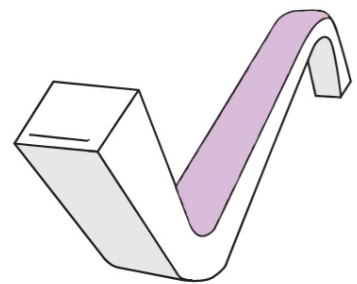
	SINGLE COLOUR	RGB
<b>LED WATTS</b>	<b>10W/m</b>	<b>13W/m</b>
<b>COLOUR &amp; LUMENS*</b>	2700K 380lm/m 3000K 400lm/m 4000K 454lm/m 6500K 400lm/m Green 360lm/m Blue 431lm/m Pink 150lm/m	Red 80lm/m Green 205lm/m Blue 541lm/m RGB (White) 300lm/m
<b>INPUT VOLTS</b>	24V DC	24V DC
<b>OPERATING TEMP.</b>	-25°C ~ +50°C	-25°C ~ +50°C
<b>MAX RUN PER POWER FEED</b>	15m using one feed 30m using two feeds	10m using one feed 20m using two feeds
<b>CRI</b>	≥80	
<b>BEAM ANGLE</b>	120°	120°
<b>LED QTY</b>	120 LED/m	72 LED/m
<b>SOURCE LIFE</b>	50,000hr	50,000hr
<b>CUTTING LENGTH</b>	50mm	83.3mm
<b>MIN BEND RADIUS</b>	60mm	60mm
<b>CONTROL</b>	Dimmable by PWM signal	Requires 3-channel controller
<b>INGRESS PROTECTION</b>	IP67 Snap Connector or IP68 Injection Moulding <small>Protection established by use of connection type</small>	IP67 Snap Connector or IP68 Injection Moulding <small>Protection established by use of connection type</small>

Actual product characteristics may vary.  
\*See product data sheet for more options

RGBW	DYNAMIC RGB CHASING	DYNAMIC RGBW CHASING	TUNABLE WHITE
<b>17W/m</b>	<b>15W/m</b>	<b>18W/m</b>	<b>15W/m</b>
Red 49lm/m Green 196lm/m Blue 42lm/m 3000K White 253lm/m RGBW (White) 514lm/m	Red 49lm/m Green 127lm/m Blue 24lm/m RGB (White) 194lm/m	Red 50lm/m Green 166lm/m Blue 34lm/m 3000K White 177lm/m RGBW (White) 402lm/m	2200K + 5700K 372lm/m + 410lm/m
24V DC	24V DC	24V DC	24V DC
-25°C ~ +50°C	-25°C ~ +50°C	-25°C ~ +50°C	-25°C ~ +50°C
8m using one feed 16m using two feeds	8m using one feed 16m using two feeds	8m using one feed 16m using two feeds	10m using one feed 20m using two feeds
≥80 (white chip only)		≥80 (white chip only)	≥80 (white chip only)
120°	120°	120°	120°
72 LED/m	70 LED/m (10 pixels/m)	70 LED/m (10 pixels/m)	120 LED/m (10 pixels/m)
50,000hr	50,000hr	50,000hr	50,000hr
83.3mm	100mm	100mm	100mm
60mm	60mm	60mm	60mm
Requires 4-channel controller	DMX512 (RS485). Requires controller.	DMX512 (RS485). Requires controller.	Requires 2-channel controller
IP68 Injection Moulding <small>(connector cable plugs recommended)</small> <small>IP67 DIY Snap connector end cap available for shortening length on-site</small>	IP68 Injection Moulding <small>(connector cable plugs recommended)</small> <small>IP67 DIY Snap connector end cap available for shortening length on-site</small>	IP68 Injection Moulding <small>(connector cable plugs recommended)</small> <small>IP67 DIY Snap connector end cap available for shortening length on-site</small>	IP68 Injection Moulding <small>(connector cable plugs recommended)</small> <small>IP67 DIY Snap connector end cap available for shortening length on-site</small>

3N Y VERTICAL BENDING

# NEON Y MICRO



## APPLICATIONS

- Theatres, bars, restaurants, & retail
- Cove lighting
- Architectural features
- Exterior or interior installations
- Swimming or feature pools

## FEATURES

- Vertical bending
- UV & flame resistant
- Suitable for use around salt or chlorinated water
- Single colour

### SINGLE COLOUR

<b>LED WATTS</b>	<b>10W/m</b>
<b>COLOUR &amp; LUMENS*</b>	2700K 435lm/m 3000K 450lm/m 4000K 440lm/m 6500K 442lm/m Green 526lm/m Blue 271lm/m Red 175lm/m
<b>INPUT VOLTS</b>	24V DC
<b>OPERATING TEMP.</b>	-25°C ~ +50°C
<b>MAX RUN PER POWER FEED</b>	15m using one feed 30m using two feeds
<b>CRI</b>	≥80
<b>BEAM ANGLE</b>	120°
<b>LED QTY</b>	120 LED/m
<b>SOURCE LIFE</b>	50,000hr
<b>CUTTING LENGTH</b>	50mm
<b>MIN BEND RADIUS</b>	60mm
<b>CONTROL</b>	Dimmable by PWM signal
<b>INGRESS PROTECTION</b>	IP67 Snap Connector or IP68 Injection Moulding <small>Protection established by use of connection type</small>

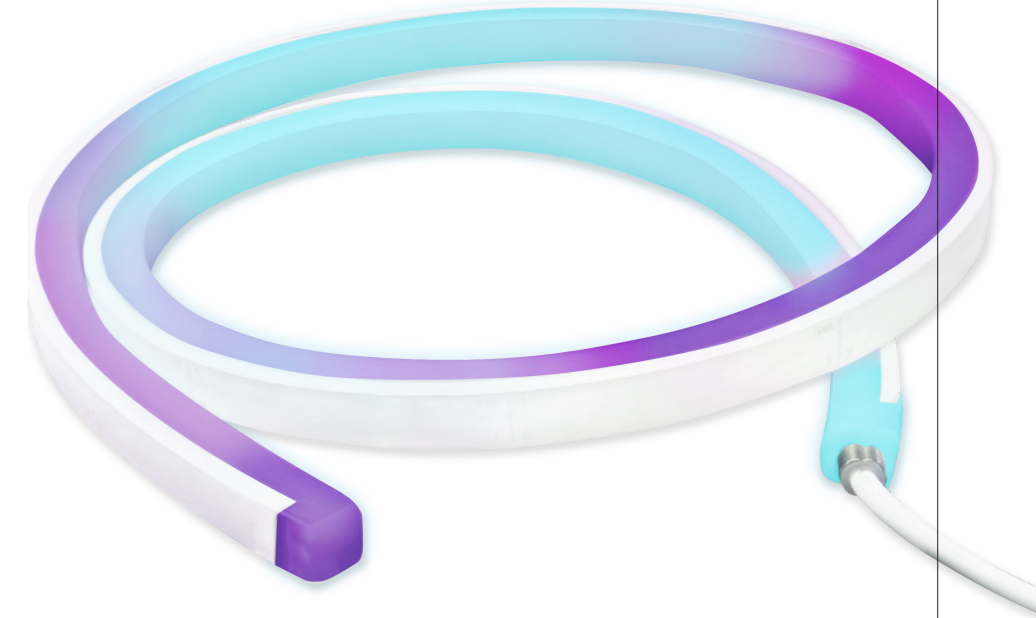
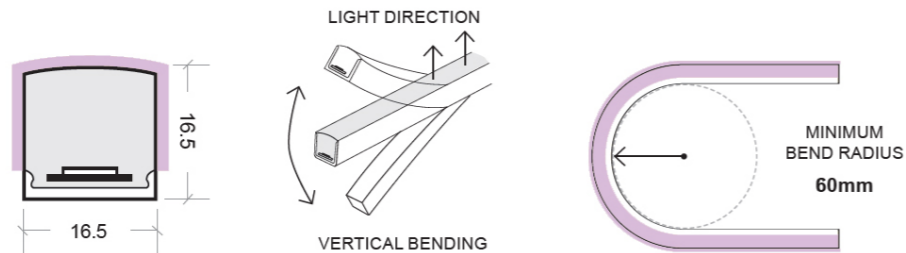
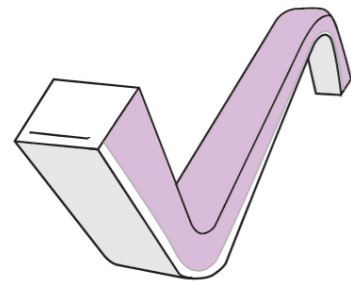
Actual product characteristics may vary.  
\*See product data sheet for more options



ANZ Westfield, Newmarket Auckland  
NEON Y Micro application suggestion

3N | VERTICAL BENDING

# NEON Y3



## APPLICATIONS

- Theatres, bars, restaurants, & retail
- Cove lighting
- Architectural features
- Exterior or interior installations
- Swimming or feature pools

## FEATURES

- Horizontal bending
- UV & flame resistant
- Suitable for use around salt or chlorinated water

	SINGLE COLOUR	RGB
<b>LED WATTS</b>	<b>10W/m</b>	<b>13W/m</b>
<b>COLOUR &amp; LUMENS*</b>	2700K 554lm/m 3000K 561lm/m 4000K 553lm/m 6500K 585lm/m Green 500lm/m Blue 621lm/m Pink 170lm/m	Red 83lm/m Green 245lm/m Blue 461lm/m RGB (White) 350lm/m
<b>INPUT VOLTS</b>	24V DC	24V DC
<b>OPERATING TEMP.</b>	-25°C ~ +50°C	-25°C ~ +50°C
<b>MAX RUN PER POWER FEED</b>	15m using one feed 30m using two feeds	10m using one feed 20m using two feeds
<b>CRI</b>	≥80	
<b>BEAM ANGLE</b>	210°	210°
<b>LED QTY</b>	120 LED/m	72 LED/m
<b>SOURCE LIFE</b>	50,000hr	50,000hr
<b>CUTTING LENGTH</b>	50mm	83.3mm
<b>MIN BEND RADIUS</b>	60mm	60mm
<b>CONTROL</b>	Dimmable by PWM signal	Requires 3-channel controller
<b>INGRESS PROTECTION</b>	IP67 Snap Connector or IP68 Injection Moulding <small>Protection established by use of connection type</small>	IP67 Snap Connector or IP68 Injection Moulding <small>Protection established by use of connection type</small>

Actual product characteristics may vary.  
\*See product data sheet for more options

RGBW	DYNAMIC RGB CHASING	DYNAMIC RGBW CHASING	TUNABLE WHITE
<b>17W/m</b>	<b>15W/m</b>	<b>18W/m</b>	<b>15W/m</b>
Red 71lm/m Green 270lm/m Blue 52lm/m 3000K White 315lm/m RGBW (White) 642lm/m	Red 74lm/m Green 184lm/m Blue 32lm/m RGB (White) 258lm/m	Red 79lm/m Green 253lm/m Blue 51lm/m 3000K White 274lm/m RGBW (White) 606lm/m	2200K + 5700K 418lm/m + 470lm/m
24V DC	24V DC	24V DC	24V DC
-25°C ~ +50°C	-25°C ~ +50°C	-25°C ~ +50°C	-25°C ~ +50°C
8m using one feed 16m using two feeds	8m using one feed 16m using two feeds	8m using one feed 16m using two feeds	10m using one feed 20m using two feeds
≥80 (white chip only)		≥80 (white chip only)	≥80 (white chip only)
210°	210°	210°	210°
72 LED/m	70 LED/m (10 pixels/m)	70 LED/m (10 pixels/m)	120 LED/m (10 pixels/m)
50,000hr	50,000hr	50,000hr	50,000hr
83.3mm	100mm	100mm	100mm
60mm	60mm	60mm	60mm
Requires 4-channel controller	DMX512 (RS485). Requires controller.	DMX512 (RS485). Requires controller.	Requires 2-channel controller
IP68 Injection Moulding (connector cable plugs recommended) <small>IP67 DIY Snap connector end cap available for shortening length on-site</small>	IP68 Injection Moulding (connector cable plugs recommended) <small>IP67 DIY Snap connector end cap available for shortening length on-site</small>	IP68 Injection Moulding (connector cable plugs recommended) <small>IP67 DIY Snap connector end cap available for shortening length on-site</small>	IP68 Injection Moulding (connector cable plugs recommended) <small>IP67 DIY Snap connector end cap available for shortening length on-site</small>

ON | VERTICAL BENDING

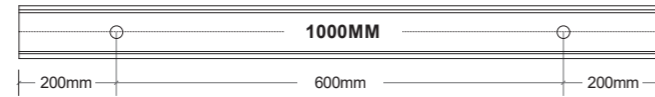
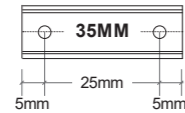
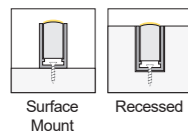


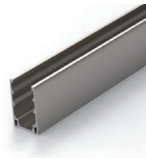
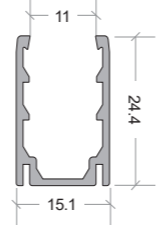
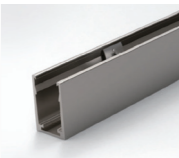
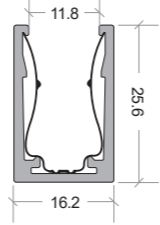
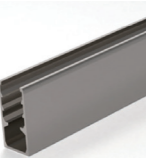
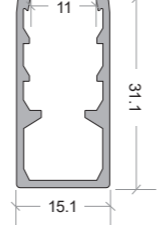
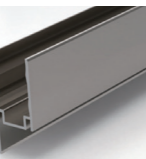
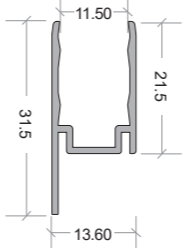
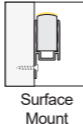
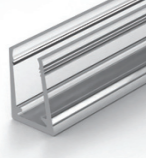
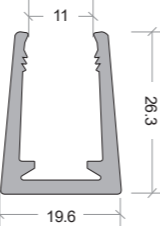


The Marquee, Sydney  
NEON X application suggestion

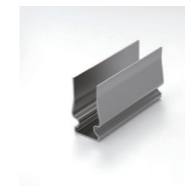
# ACCESSORIES

## NEON X



ACCESSORY	LENGTH	SCREW HOLE	HOLE QTY	DIAGRAM
 <b>ALUMINIUM PROFILE W15.1 × H24.4MM</b> Surface mount or recess	35mm 1000mm	Ø4.0mm	2 2	
 <b>SELF-LOCKING ALUMINIUM PROFILE WITH CLIP W16.2 × H25.6MM</b> Surface mount or recess	35mm (1 x clip) 1000mm (5 x clips)	Ø4.0mm	2 2	
 <b>ALUMINIUM PROFILE WITH CABLE TRAY W15.1 × H31.1MM</b> Surface mount or recess	35mm 1000mm	Ø4.0mm	2 2	
 <b>ALUMINIUM PROFILE WITH SURFACE W13.6 × H31.5MM (21.5)</b> Surface mount (against surface)	35mm 1000mm	Ø4.0mm	2 2	 
 <b>PLASTIC PROFILE W19.6 × H26.3MM</b> Surface mount or recess	35mm 1000mm	Ø4.0mm	2 2	

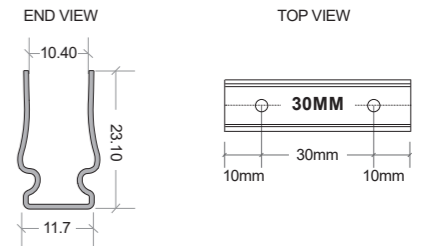
ACCESSORY LENGTH SCREW HOLE HOLE QTY DIAGRAMS



**STAINLESS STEEL CLIP W11.7 × H23.1MM**  
Surface mount

LENGTH SCREW HOLE HOLE QTY

50mm Ø4.0mm 2



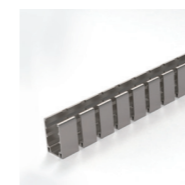
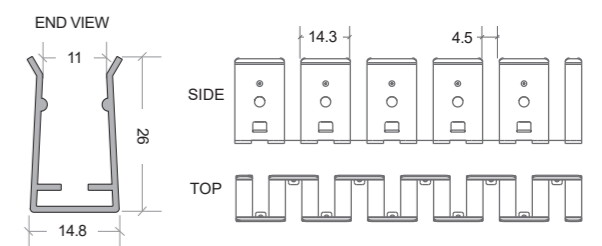
ACCESSORY LENGTH DIAGRAMS



**FLEXIBLE STAINLESS STEEL PROFILE W14.8 × H26MM**  
Surface mount

LENGTH

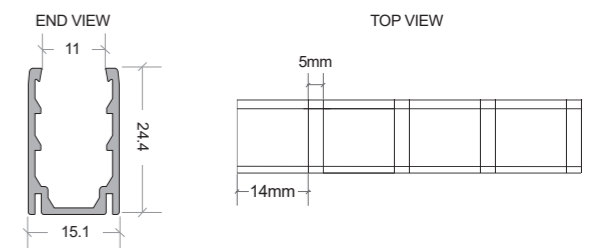
100mm  
300mm  
500mm  
1000mm



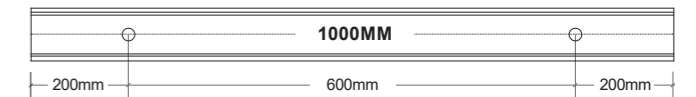
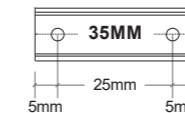
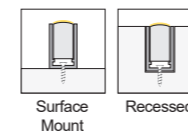
**FLEXIBLE ALUMINIUM PROFILE W15.1 × H24.4MM**  
Surface Mount - Horizontal Bend

LENGTH

500mm  
1000mm



## NEON X MICRO



ACCESSORY LENGTH SCREW HOLE HOLE QTY DIAGRAM

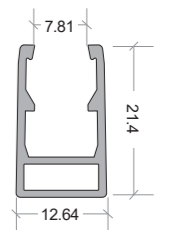


**ALUMINIUM PROFILE W12.64 × H21.4MM**  
Surface mount or recess

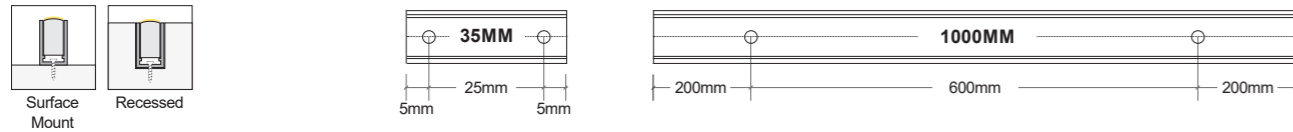
LENGTH SCREW HOLE HOLE QTY

35mm  
1000mm

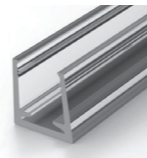
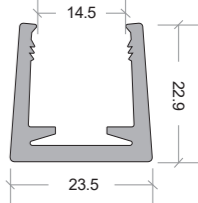
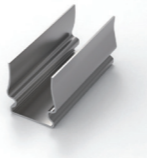
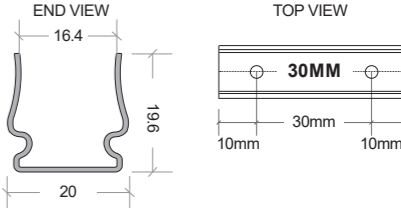

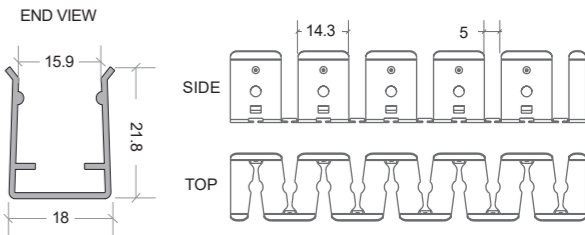

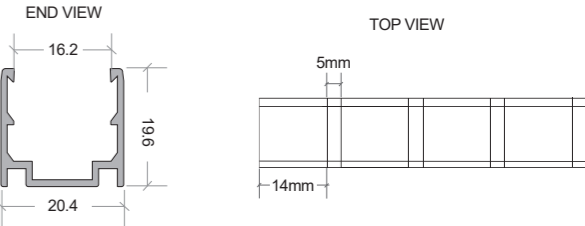
Ø4.0mm 2  
Ø4.0mm 2



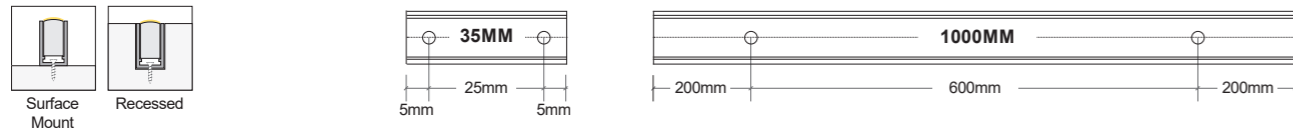
## NEON Y

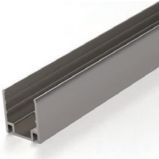
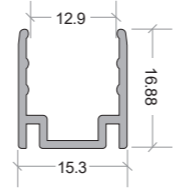



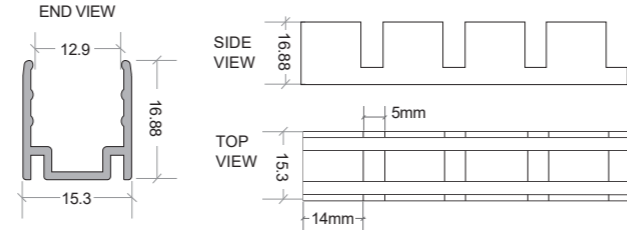
ACCESSORY	LENGTH	SCREW HOLE	HOLE QTY	DIAGRAM
 <b>ALUMINIUM PROFILE W20.4 × H19.6MM</b> Surface mount or recess	35mm  1000mm	  Ø4.0mm	2  2	
 <b>SELF-LOCKING ALUMINIUM PROFILE WITH CLIP W21.2 × H19.6MM</b> Surface mount or recess	35mm (1 clip)  1000mm (5 clips)	  Ø4.0mm	2  2	
 <b>ALUMINIUM PROFILE WITH CABLE TRAY W20.4 × H27.9MM</b> Surface mount or recess	35mm  1000mm	  Ø4.0mm	2  2	
 <b>ANTI-DROP ALUMINIUM PROFILE WITH PLASTIC GRIPS W26 × H20.2MM</b> Surface mount or recess	35mm  1000mm	  Ø4.0mm	2  2	
 <b>PLASTIC AND ALUMINIUM PROFILE W22.2 × H22.85MM</b> Surface mount	35mm  1000mm	  Ø4.0mm	2  2	

ACCESSORY	LENGTH	SCREW HOLE	HOLE QTY	DIAGRAM
 <b>PLASTIC PROFILE W23.5 × H22.9MM</b> Surface mount or recess	35mm  1000mm	  Ø4.0mm	2  2	
 <b>STAINLESS STEEL CLIP W20 × H19.6MM</b> Surface mount	50mm	Ø4.0mm	2	
 <b>FLEXIBLE STAINLESS STEEL PROFILE W18 × H22MM</b> Surface mount	100mm 300mm 500mm 1000mm			
 <b>FLEXIBLE ALUMINIUM PROFILE W20.4 × H19.6MM</b> Surface Mount - Vertical Bend	500mm 1000mm			

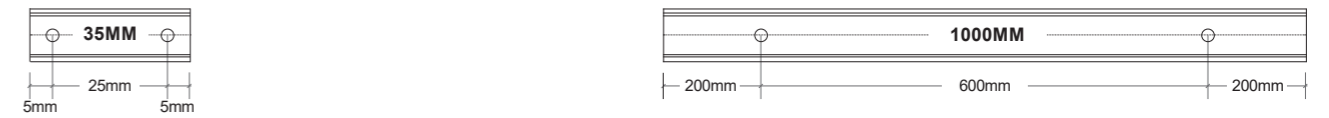
## NEON Y MICRO



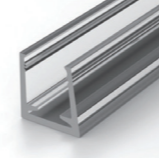
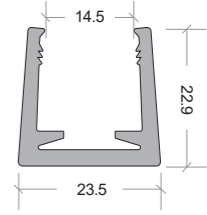
ACCESSORY	LENGTH	SCREW HOLE	HOLE QTY	DIAGRAM
 <p>ALUMINIUM PROFILE <b>W15.3 × H16.88MM</b> Surface mount or recess</p>	35mm	Ø4.0mm	2	
	1000mm		2	


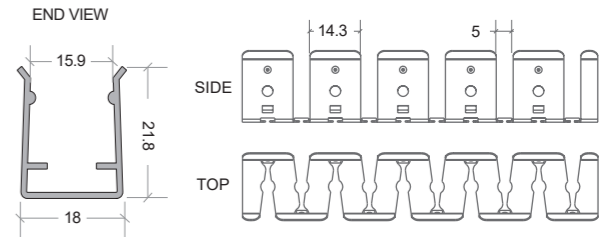
ACCESSORY	LENGTH	DIAGRAMS
 <p>FLEXIBLE ALUMINIUM PROFILE <b>W15.3 × H16.88MM</b> Surface Mount - Vertical Bend</p>	500mm	
	1000mm	

## NEON Y3



ACCESSORY	LENGTH	SCREW HOLE	HOLE QTY	DIAGRAM
 <p>PLASTIC AND ALUMINIUM PROFILE <b>W22.2 × H22.85MM</b> Surface mount</p>	35mm	Ø4.0mm	2	
	1000mm		2	

ACCESSORY	LENGTH	DIAGRAMS
 <p>PLASTIC PROFILE <b>W23.5 × H22.9MM</b> Surface mount or recess</p>	35mm	
	1000mm	

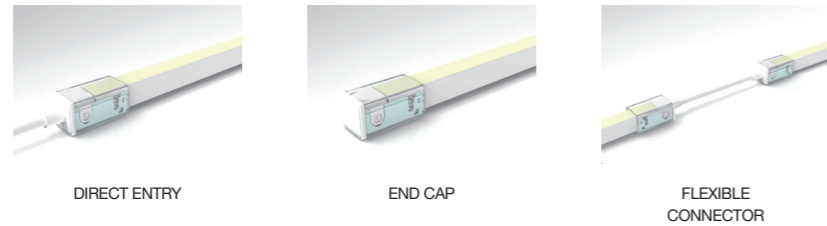
ACCESSORY	LENGTH	DIAGRAMS
 <p>FLEXIBLE STAINLESS STEEL PROFILE <b>W18 × H22MM</b> Surface mount</p>	100mm	
	300mm	
	500mm	
	1000mm	

NOTE: NEON Y3 IS 3-SIDED, WHILE USEFUL FOR BENDING FLEXIBLE STAINLESS STEEL PROFILE WILL REDUCE LIGHT OUTPUT.

# CONNECTOR OVERVIEW

## NEON | IP67 DIY SNAP CONNECTORS

DIY SNAP CONNECTORS CAN BE PRE-FITTED AT FACTORY OR FITTED ON-SITE (SEE NEON INSTALLATION GUIDE FOR SNAP CONNECTOR INSTRUCTIONS). SUITABLE FOR OUTDOOR APPLICATIONS. FOR UNDERWATER APPLICATIONS, USE IP68 INJECTION CONNECTIONS ONLY. CABLE LENGTHS GIVEN ARE STANDARD, CAN BE MADE LONGER BY REQUEST.



	DIRECT ENTRY	END CAP	FLEXIBLE CONNECTOR
SINGLE COLOUR	✓	✓	✓
TUNEABLE	✓	✓	✓
RGB	✓	✓	✓
RGBW	✗	✓	✗
DMX RGB CHASING	✗	✓	✗
DMX RGBW CHASING	✗	✓	✗

**RGBW, DMX RGB CHASING AND DM RGBW CHASING:**  
ONLY END CAPS ARE AVAILABLE, WHICH CAN ALLOW FOR THE SHORTENING OF LENGTHS ON-SITE (END CAP SIDE) IF REQUIRED.  
**NOTE:** THAT THIS WILL REDUCE ANY EXISTING IP RATING TO IP67.

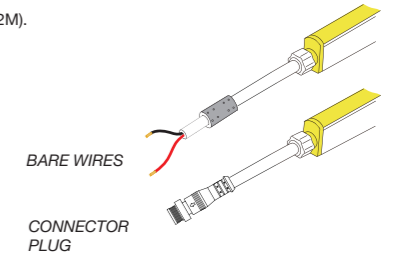
## NEON | IP68 INJECTION MOULDING

REQUIRES FITTING AT FACTORY. LEAD TIMES APPLY. SUITABLE FOR OUTDOOR & SUBMERGED APPLICATIONS (UP TO 2M). CABLE LENGTHS GIVEN ARE STANDARD, CAN BE MADE LONGER BY REQUEST.

For IP68 injection moulding there are two cable options available - bare wires or plugs. The below chart shows the injection moulding dimensions for both types.

**Bare end cables** come with a standard cable length of 600mm. It is recommended to ensure the feeder cable is long enough to reach to where connections can be made (cables can be made longer upon request).

**IP68 Connector cable plugs** are designed for "plug-and-play" type installations (see 'Connector Plug' page for information about the plug connectors).

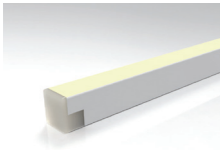




	ACCESSORY	CABLE LENGTH	DIMENSION DIAGRAM
	<b>DIRECT ENTRY</b>	600mm with waterproof interrupter, ending in bare wires	<b>SEE MODEL SPECIFIC ACCESSORIES PDF FOR DIMENSIONS</b>
		300mm with IP68 male connector plug*	
	<b>SIDE ENTRY</b>	600mm with waterproof interrupter, ending in bare wires	
		300mm with IP68 male connector plug* <i>(male or female depending on left or right side)</i> <small>Side Injection moulding increases product width at connection. If using profile, connection end will not fit and will need to extend out of profile.</small>	
	<b>BOTTOM ENTRY</b>	600mm with waterproof interrupter, ending in bare wires	
		300mm with IP68 male connector plug*	
	<b>L SHAPE ENTRY</b>	600mm with waterproof interrupter, ending in bare wires	
		300mm with IP68 male connector plug*	

\*See 'Connector Plug' page for information about IP68 injection moulding cable connector plugs

## NEON | IP68 INJECTION MOULDING

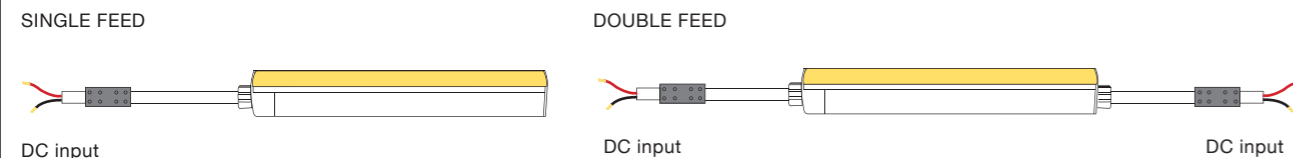
REQUIRES FITTING AT FACTORY. LEAD TIMES APPLY. SUITABLE FOR OUTDOOR & SUBMERGED APPLICATIONS (UP TO 2M).  
CABLE LENGTHS GIVEN ARE STANDARD, CAN BE MADE LONGER BY REQUEST.

ACCESSORY	CABLE LENGTH	DIMENSION DIAGRAM
 <b>END CAP</b>	-	SEE MODEL SPECIFIC ACCESSORIES PDF FOR DIMENSIONS
 <b>FLEXIBLE CONNECTOR</b>	100mm <i>(Cable can be made longer by request)</i>	
 <b>WATERPROOF METAL FERRULE</b>	This stainless steel waterproof metal ferrule prevents water from running down the cable. Only included for standard IP68 injection ending in bare wires	

\*See next page for information about IP68 injection moulding cable connector plugs

### SINGLE / DOUBLE FEED

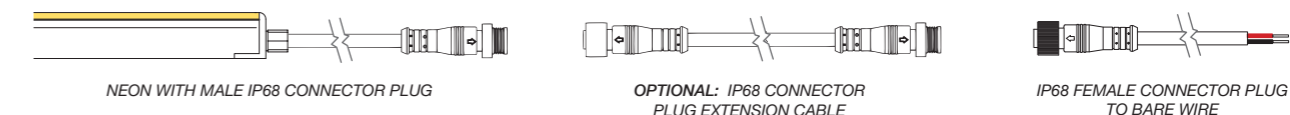
THE MAXIMUM RUN LENGTH PER POWER FEED CAN BE DOUBLED BY POWERING FROM BOTH ENDS.

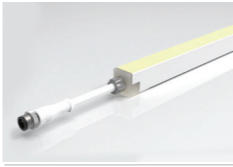

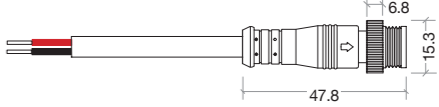

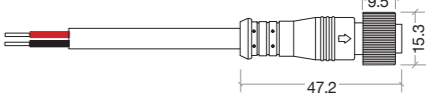




## NEON | IP68 INJECTION MOULDING - CONNECTOR PLUG

CABLE LENGTHS GIVEN ARE STANDARD, CAN BE MADE LONGER BY REQUEST.

**Connector plugs** have an IP68 rating (when fastened) and are designed for "plug-and-play" type installations. As standard, the Neon IP68 injection moulded connector plugs are male. The installer can wire in an **IP68 female connector plug to bare wire** at the start location (power supply/control centre) then plug the two together (ensuring stainless steel locking ring is tight). Depending on required cable length an extension cable may be required.

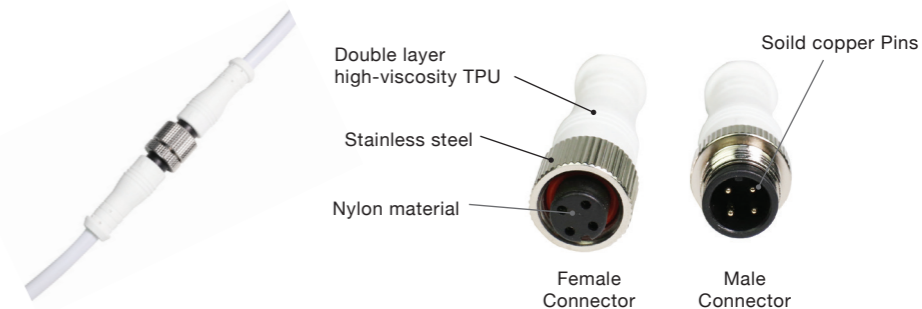


	<b>IP68 CONNECTOR PLUGS</b> (male or female depending on power feed end). Male as standard.	Cable Length 300mm	These connect to the corresponding IP68 Connector plug to bare Wire or to an IP68 Connector plug Extension cable
	<b>IP68 MALE CONNECTOR PLUG TO BARE WIRE</b>	300mm	
	<b>IP68 FEMALE CONNECTOR PLUG TO BARE WIRE</b>	300mm	
	<b>IP68 CONNECTOR PLUG EXTENSION CABLE</b>	1m / 2m / 5m / 10m	

### Female & Male Connector plugs

The male/female waterproof connector plug is made by two layers of injection molding with high viscosity TPU and high density nylon material inside.

After locked by its stainless steel locking ring, it has outstanding reliability and waterproof performance with IP68 rating.





# NEON

## DYNAMIC CHASING

Dynamic Neon is pixel addressable, which means that every LED chip can be controlled independently by Digital Multiplex (DMX) protocol, allowing for a variety of dynamic effects to be created both manually (using a control panel) and for lighting automation (using a PC).

Create installations that chase, blend, flow, flash, skip, or fade. Perfect for theatres, bars, restaurants, and retail where you want to create atmosphere or draw attention.

Dynamic Neon is available for Neon X, Neon Y and Neon Y3.

CHASING CAN PROVIDE A BEAUTIFUL, FLUID, BLENDING EFFECT WHERE COLOURS TRANSITION SEAMLESSLY INTO ONE ANOTHER.

ON THE FLIP SIDE CHASING CAN ALSO CREATE FAST-PACED, DYNAMIC MOTION EFFECTS, WHERE COLOURS FLASH & SKIP IN A FLURRY OF ACTIVITY

### DYNAMIC NEON

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

NEON

lightculture)  
INSPIRED LIGHT

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contact us directly.*