

# Domed XL

Architectural LED Neon Light Rope



# Domed XL

## Architectural LED Neon Light Rope

A robust and fully water resistant alternative to traditional neon lighting. Offering designers and architects the opportunity to reduce energy costs whilst still achieving the traditional neon look.

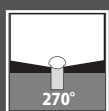
The curved profile allows for a large viewing angle. Suitable for both indoor and outdoor use, Surlight's Architectural LED Neon Light Rope is highly reliable and robust making it ideal for architectural and commercial applications.

Available in a range of single colours and colour changing RGB. Applications include: signage, point of sale display, architectural feature lighting, shop fitting, bar & hotel feature lighting.



### Features:

- Ingress Protection to IP66.
- UV & flame resistant PVC.
- Domed profile for large viewing angle (270°).
- Uniform & even light source no LED "spotting".
- High lumen output.
- Flexible - with 120mm minimum bending angle
- Easily installed - with DIY accessories for joining, terminating, mounting & powering.
- Continuous length up to 10m.
- Automated production - Highly reliable, robust & hard wearing.
- 5 year lifespan



**Beam Angle**



**Bending Diameter**



**Flame Resistant**



**UV Resistant**



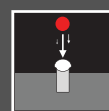
**Solvents Resistant**



**Saltwater Resistant**



**IP66 Protection**



**IK08 Protection**

### AVAILABLE COLOURS:



**R**



**G**



**B**



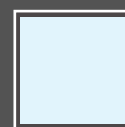
**A**



**WW**



**NW**



**PW**

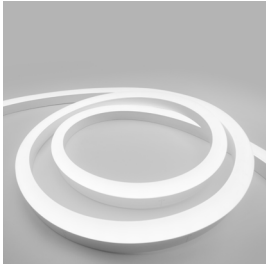


**RGB**

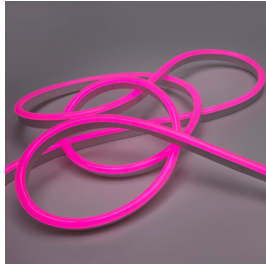


# Architectural LED Neon Light Rope

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Single Colour Domed XL

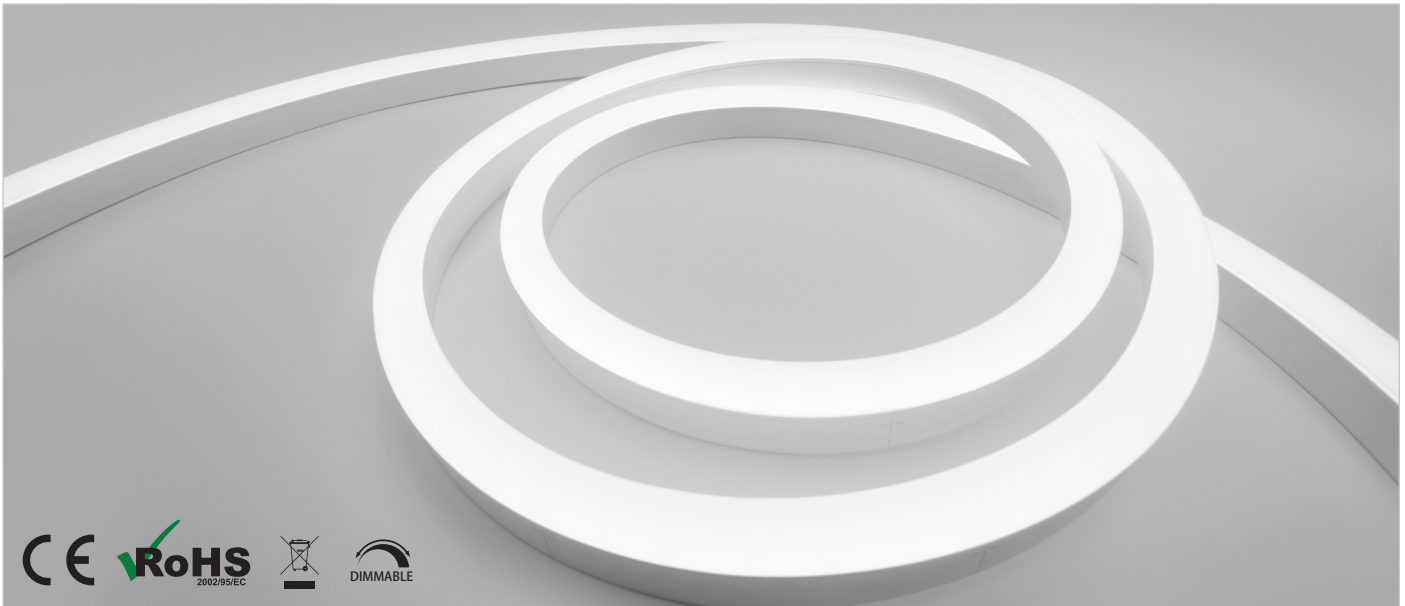


RGB Domed XL



# Single Colour Domed XL LED Neon Light Rope

Product Code: 867-0006



## Key Features

- Unique efficient Neon Cathode alternative
- UV & flame resistant PVC
- Extra large Domed profile with viewing angle of 270°
- Available in a range of colours
- Solvent, Saltwater & Water Resistant to IP68
- IK08 Protection (against external mechanical impacts).
- Ideal for signage and architectural lighting

## Product Description

The Surelight LED XL Neon Light Rope is our largest grade of LED Neon. A robust and fully water resistant alternative to traditional neon lighting.

Offering designers and architects the opportunity to reduce energy costs whilst still achieving the traditional neon look.

Easily installed with a range of interconnecting accessories the LED Neon Light Rope can be cut to length to suit an individual application.

Available in 7 colours and weatherproof to IP68.

## Specification

### Lighting Performance

Lumen Output	LED Qty	Minimum Lifetime
380lm/m	60 SMD LEDs/m	30,000hrs

*N.B Lumen values quoted on Pure White (6000k)*

### Cut Length

Red/Amber	Green/Blue/White
Can be cut every 10 LEDs (16.7cm)	Can be cut every 6 LEDs (10cm)

### Physical Details

Reel Weight	Reel Length	Finish	Beam Angle	Ingress Protection
30Kg	50m	White PVC	270°	IP68

### Colour



### Input Data

Drive Current	Input Voltage	Power Supply Type
N/A	24V DC	Constant Voltage

### Physical Details

Colour	Input Power	Continuous length that can be powered	Ambient Temperature Range
Red/Amber	7.2W/m	15m	-10 to +40 °C
Green/Blue/Whites	12W/m	10m	-10 to +40 °C

### Options

Colours
Amber, Blue, Green, Red, Warm White, Neutral White, Pure White

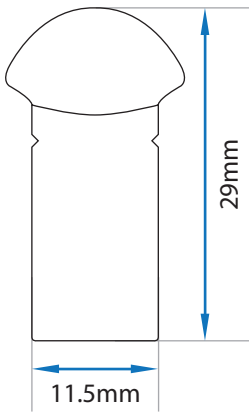
### Optics





## Mechanical Dimensions (Unit mm)

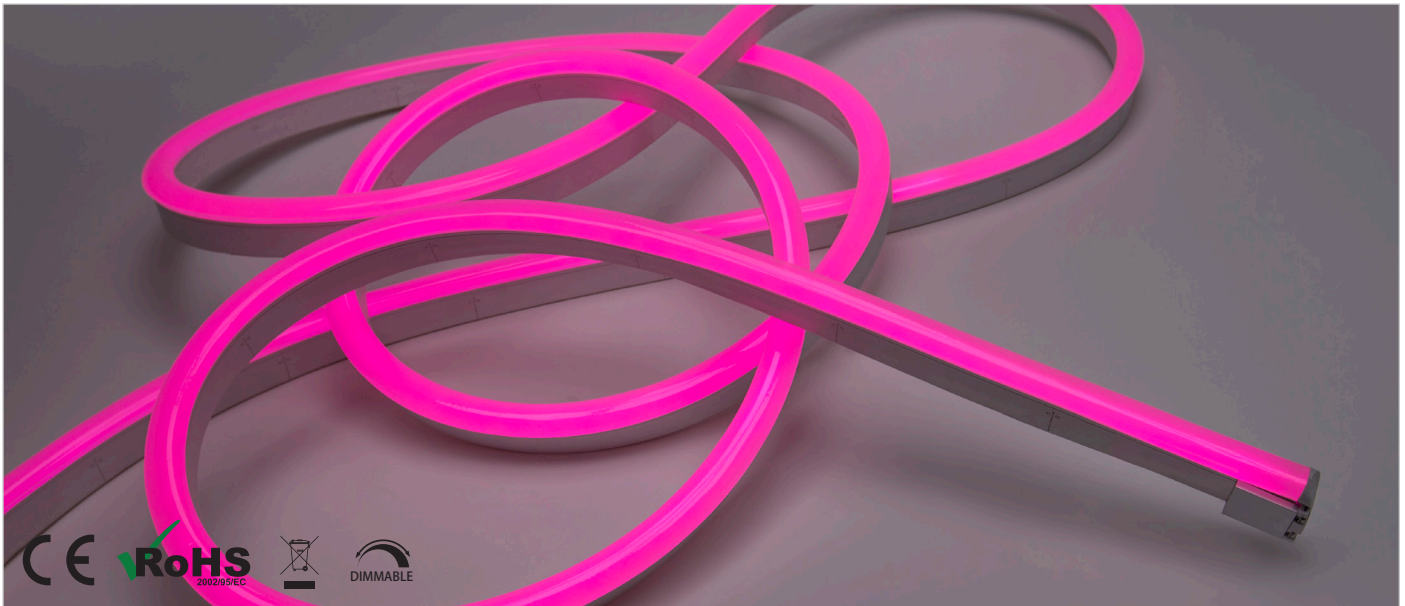
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# RGB Domed XL LED Neon Light Rope

Product Code: 867-0007



## Key Features

- RGB Colour Changing
- Unique efficient Neon Cathode alternative
- UV & flame resistant PVC
- Extra large Domed profile with viewing angle of 270°
- Available in a range of colours
- Solvent, Saltwater & Water Resistant to IP68
- IK08 Protection (against external mechanical impacts).
- Ideal for signage and architectural lighting

## Product Description

The Surelight RGB LED XL Neon Light Rope is our largest grade of colour changing RGB LED Neon. A robust and fully water resistant alternative to traditional neon lighting.

LED neon offers designers and architects the opportunity to reduce energy costs whilst still achieving the traditional neon look.

Easily installed with a range of interconnecting accessories the RGB LED Neon Light Rope can be cut to length to suit an individual application.

Fully controllable, various rgb control options and accessories available - See our LED Control Options.

IK08 rated (against external mechanical impact) so ideal for gym, sports complex and bowling alley lighting.

Weatherproof to IP68.

## Specification

### Lighting Performance

Lumen Output	LED Qty	Minimum Lifetime
300lm/m (Typical)	60 SMD LEDs/m	30,000hrs

### Cut Length

RGB
Can be cut every 6 LEDs (10cm)

### Physical Details

Reel Weight	Reel Length	Finish	Beam Angle	Ingress Protection
30Kg	50m	White PVC	270°	IP68

### Input Data

Drive Current	Input Voltage	Power Supply Type
N/A	24V DC	Constant Voltage

### Physical Details

Input Power	Continuous length that can be powered	Ambient Temperature Range
12W/m	10m	-10 to +40 °C

### Colour

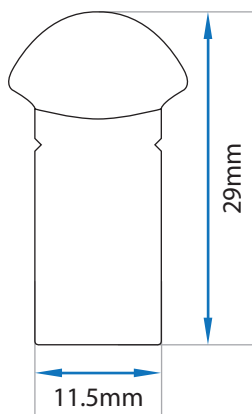


### Optics



## Mechanical Dimensions (Unit mm)

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# Accessories

## Installation Accessories & Tools



**Cutter Tool**



**Insert Inducer**



**Assembly Tool**



**Screw Power Connector**



**Clasp Power Connector**



**Screw End Cap**



**Clasp End Cap**



**Screw Jumper**



**Seamless Power T-Feed**



**Seamless Middle Connector**



**Power T-Feed**



**Self Locking "U" Section Channel**

## LED Drivers



**60W Mean Well LED Driver**  
24V DC



**100W Mean Well LED Driver**  
24V DC



**150W Mean Well LED Driver**  
24V DC



**240W Mean Well LED Driver**  
24V DC



# Control Accessories

## Single Colour



**Levo CV**  
Intelligent Dimmer



**Vitrum-1**  
Dimming Glass Wall Controller



**Vitrum-5**  
Wireless Multi-Zone Dimming Glass Wall Controller



**Vitrum-6**  
Wireless Multi-Zone CT Glass Wall Controller



**Vitrum-7**  
Wireless Multi-Zone CT Glass Wall Controller

## RGB Colour



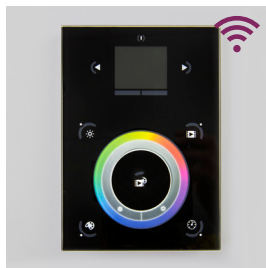
**Vitrum-4**  
RGB Glass Wall Controller



**Vitrum-8**  
Wireless Multi-Zone RGB Glass Wall Controller



**Imperium Mini**  
Plug & Play RGB Controller



**S.T.I.C.K.**  
Surelight Touch Sensitive Intelligent Control Keypad



**Maximus**  
Award Winning Touch Panel





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