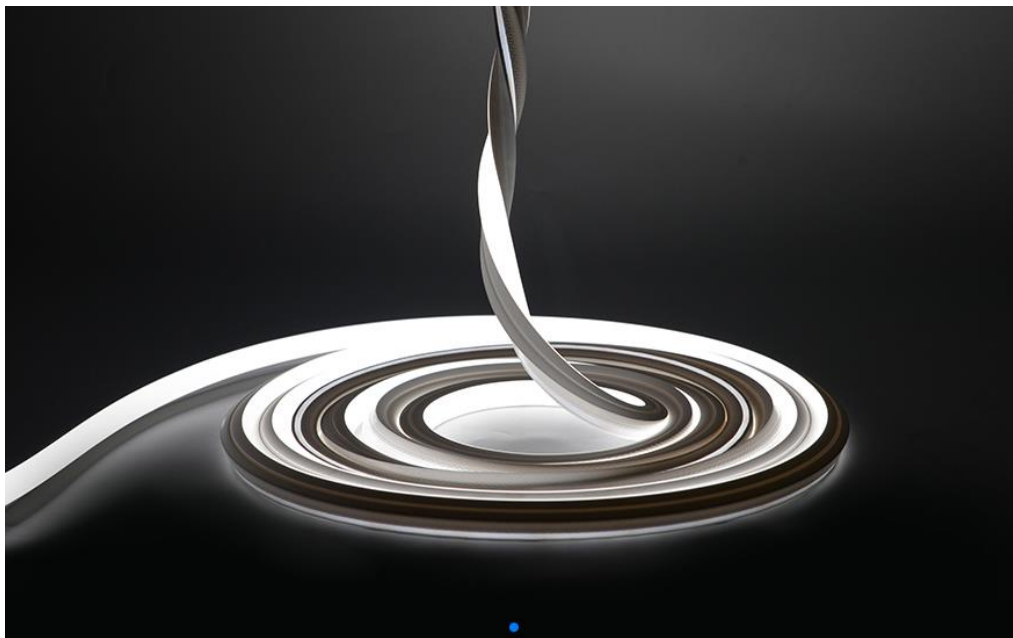


# ARCHITECTURAL FX

Technicians of Light

## Neon 3D 1616 White IP67



### General Information

Flexible LED strip in UV, chlorine, saltwater, solvent and heat-resistant special silicone for indoor- and outdoor use IP67  
4.8w, 9.6w, 14w per m, up to 1135 lumens per m @ 2700k  
>90lm/w  
Single Colour White 2350k, 2500k, 2700k, 3000k, 3500k, 4000k, 5000k (Finished CCT)  
CRI >80 and CRI >90  
Free Cutting or 50mm Increments  
Width 16mm x Height 16mm  
Bending diameter: 300mm  
Twist 360° per 1000mm  
Max Single length 5m, 10m, 15m, 25m in-feeder connector and an end cap as agreed  
Customized length with sealed connectors on request.  
Constant light output and extended lifetime due to an integrated constant current source on the circuit board.

## Electrical & output data

Input Voltage 24 Volt DC Constant Voltage (23 V min, 25 V max)

Working Temperature range: -20 to +55°C

Storage temperature Ts min = 0°C, Ts max = 60°C

Dimmable – Mains (Triac), 0-10v, Dali, DMX

Protected against electrostatic discharge +/- 2,000 V

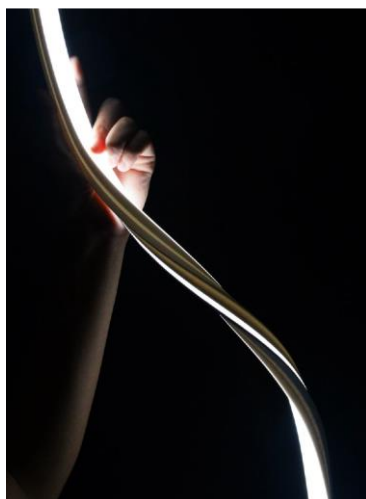
## Lifetime and Warranty (See full Architectural FX total system warranty for more detail)

Lifespan L70: 36,000 hours Outdoor 50,000hrs Indoor

Product availability lifetime – 3 years from last order

End of Lifetime guarantee 5 years

The above data are typical values. Due to tolerances in the production process and electrical components, Values for light output and electrical power can vary up to 10%.



Maximum bending diameter 300mm  
Maximum Twist 360°  
(See Installation manual for more detail)

## CRI >80

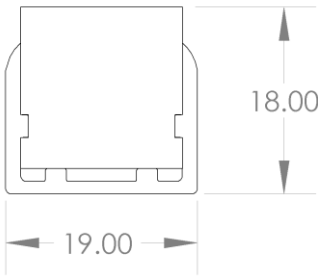
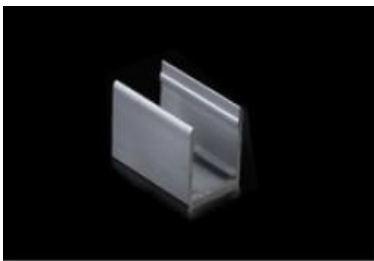
| Generic Product | Product Type | Bend Orientation       | Colour (Finished CCT) | Power/Lumen per m Free Cutting |      |     | Power/Lumen per m 50mm Cut increments |      |     |
|-----------------|--------------|------------------------|-----------------------|--------------------------------|------|-----|---------------------------------------|------|-----|
|                 |              |                        |                       | 4.8w                           | 9.6w | 14w | 4.8w                                  | 9.6w | 14w |
| Neon            | 3D 1616      | All (Side, Top, Twist) | 2350k                 | -                              | -    | 722 | 247                                   | 495  | 722 |
| Neon            | 3D 1616      | All (Side, Top, Twist) | 2500k                 | -                              | -    | 760 | 260                                   | 520  | 760 |
| Neon            | 3D 1616      | All (Side, Top, Twist) | 2700k                 | -                              | -    | 760 | 260                                   | 520  | 760 |
| Neon            | 3D 1616      | All (Side, Top, Twist) | 3000k                 | -                              | -    | 800 | 274                                   | 547  | 800 |
| Neon            | 3D 1616      | All (Side, Top, Twist) | 3500k                 | -                              | -    | 800 | 274                                   | 547  | 800 |
| Neon            | 3D 1616      | All (Side, Top, Twist) | 4000k                 | -                              | -    | 840 | 288                                   | 576  | 840 |
| Neon            | 3D 1616      | All (Side, Top, Twist) | 5000k                 | -                              | -    | 840 | 288                                   | 576  | 840 |

## CRI >90

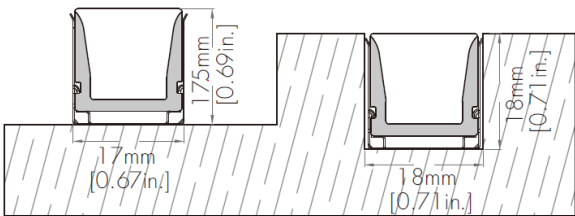
| Generic Product | Product Type | Bend Orientation       | Colour (Finished CCT) | Power/Lumen per m Free Cutting |      |     | Power/Lumen per m 50mm Cut increments |      |     |
|-----------------|--------------|------------------------|-----------------------|--------------------------------|------|-----|---------------------------------------|------|-----|
|                 |              |                        |                       | 4.8w                           | 9.6w | 14w | 4.8w                                  | 9.6w | 14w |
| Neon            | 3D 1616      | All (Side, Top, Twist) | 2350k                 | -                              | -    | 608 | 205                                   | 410  | 608 |
| Neon            | 3D 1616      | All (Side, Top, Twist) | 2500k                 | -                              | -    | 640 | 216                                   | 432  | 640 |
| Neon            | 3D 1616      | All (Side, Top, Twist) | 2700k                 | -                              | -    | 640 | 216                                   | 432  | 640 |
| Neon            | 3D 1616      | All (Side, Top, Twist) | 3000k                 | -                              | -    | 675 | 228                                   | 456  | 675 |
| Neon            | 3D 1616      | All (Side, Top, Twist) | 3500k                 | -                              | -    | 675 | 228                                   | 456  | 675 |
| Neon            | 3D 1616      | All (Side, Top, Twist) | 4000k                 | -                              | -    | 710 | 240                                   | 480  | 710 |
| Neon            | 3D 1616      | All (Side, Top, Twist) | 5000k                 | -                              | -    | 710 | 240                                   | 480  | 710 |

**Mounting and connecting accessories**

**Aluminium mounting profile 2000mm or mounting clip 50mm**



**Flexible mounting profile Top or Side Bend or 3D 500mm**

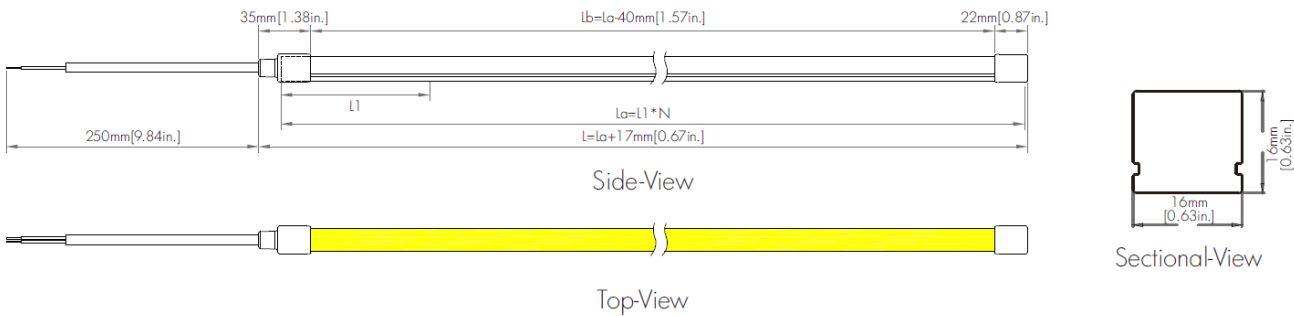


| Mounting Accessory              | Cable Entry    |
|---------------------------------|----------------|
| MP - Mounting Profile           | End (Standard) |
| MC - Mounting Clip              | Side           |
| FMP - Flexible Mounting Profile | Top/Bottom     |

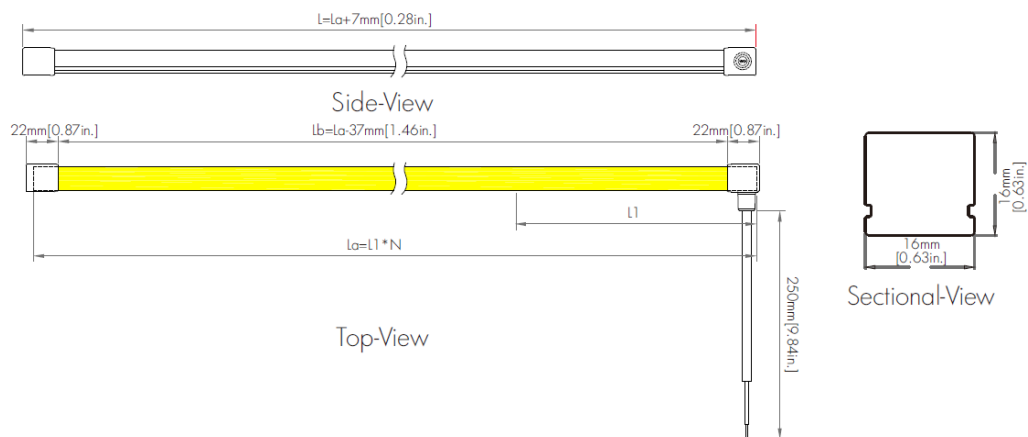
Product code example:  
Neon 3D 1616 2700k 14w CRI 80 FMP IP67 (Custom length to suit project to be advised)

**Endcap sealed by gluing process:**

Power entry from the tail

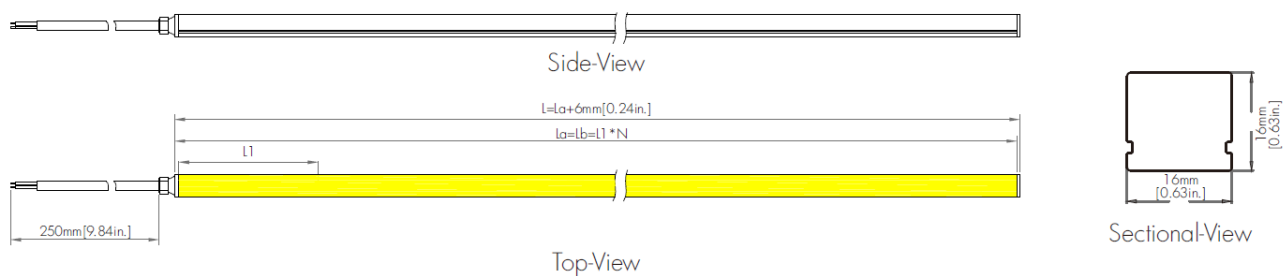


Power entry from the side



**Endcap sealed by Die-casting:**

Power entry from the tail



Power entry from the side

