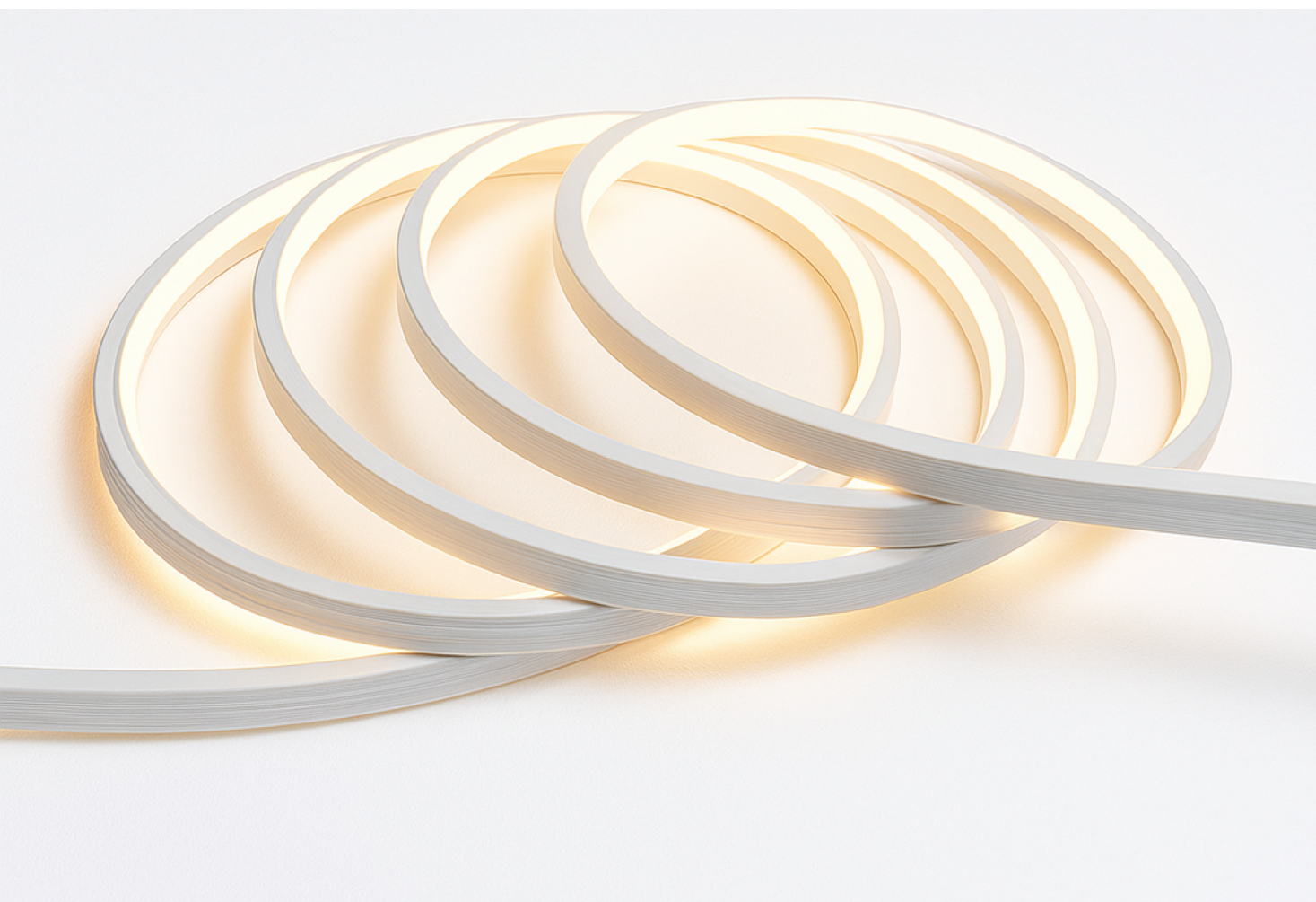


SIGMA

LED Neon Light 12x12mm



- Seamless, dot free, uniform light output.
- Bendable at vertical or horizontal direction.
- Robust housing with high quality silicon.
- UV proof for true outdoor application.
- Easy installation with clips or profile.
- Cuttable for flexible use.

Technical Data

Installation method / 安裝方式
Metodo de instalacion

Surface Mounted Type / 明裝式燈具 / Superficie Tipo Montado

Power Consumption / LEDs Qty
燈具功率 / LED 燈珠數量
Consumo de energía / Cantidad de LED

5W / 6W Meter @ 140 PCS LED Min. Cutting Length: 50mm @ 7 pcs LEDs (120 Degree)
8W / 10W Meter @ 140 PCS LED Min. Cutting Length: 50mm @ 7 pcs LEDs (120 Degree)
12W / 15W Meter @ 140 PCS LED Min. Cutting Length: 50mm @ 7 pcs LEDs (120 Degree)
5W / 6W Meter @ 120 PCS LED Min. Cutting Length: 50mm @ 6 pcs LEDs (30 / 60 Degree)
8W / 10W Meter @ 120 PCS LED Min. Cutting Length: 50mm @ 6 pcs LEDs (30 / 60 Degree)
12W / 15W Meter @ 120 PCS LED Min. Cutting Length: 50mm @ 6 pcs LEDs (30 / 60 Degree)

LED Driver Type
LED驅動款式
Tipo de controlador LED

Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格
Consulte la especificación de controlador de LED
1. ON/OFF Switch AC220-240V 50/60HZ
2. 0/1 -10V Dimming Driver AC220-240V 50/60HZ
3. DALI Dimming Driver AC220-240V 50/60HZ
4. DMX Driver AC220-240V 50/60HZ (Dimming range from 0-100%)

Input Voltage / 輸入電壓
Voltaje de entrada

DC 24V
DC 48V (Tailor-Made)

Color Temperature / 色溫
Temperatura de color

2700K / 3000K / 4000K / 6500K

Color Rendering Index / 顯色指數
Índice de reproducción cromática

> 80 @ Mono White
> 90 @ Mono White

Lumen Maintenance LM-80 Reported by TM-21

L70 > 54,000 hours

LED Life / LED壽命 / La vida del LED

>100,000 hours

LED Chips Brand / LED晶片品牌
Marca de chips LED

Epistar / Sanan

Beam Angle / 光束角 ángulo de haz

120° (Milky Diffuser)
30° (Clear Diffuser)
60° (Clear Diffuser)

MacAdam Ellipses Binning
麥克亞當橢圓分級
Mac Adam binning ellipse

Standard Deviation Colour Matching ± 3 SDCM
標準偏差配色 ± 3 SDCM
Coincidencia de color estándar Desviación ± 3 SDCM

Luminaire Efficacy / 燈具效率
La eficacia de la luminaria

Side Light (Milky Diffuser 120 Degree)
60 LM/W (2700K) 65 LM/W (3000K) 65 LM/W (4000K) 70 LM/W (6500K)
Front Light (Milky Diffuser 120 Degree)
65 LM/W (2700K) 70 LM/W (3000K) 70 LM/W (4000K) 75 LM/W (6500K)
Front Light (Clear Diffuser 30 / 60 Degree)
65 LM/W (2700K) 70 LM/W (3000K) 70 LM/W (4000K) 75 LM/W (6500K)

Housing materials / 外殼材料
Materiales de la carcasa

Silicone / 硅膠 / Silicona

Bending Direction / 可彎曲方向 / Dirección de flexión

Vertical Bending
Horizontal Bending (Except for 30 & 60 Degree)

Minimum Bend Diameter / 最小彎曲直徑
Diámetro mínimo de curvatura

Dia 120 mm

Maximum Length Feed
最大連接長度
Longitud máxima del feed

24V: 7-10m @ Single Feed 單端供電
24V: 14-20m @ Double Feed 兩端供通
Depends on the Watt / Meter

Operating Temperature Range / 工作溫度範圍
Rango de temperatura de funcionamiento

-10 °C / +45 °C

Operating Humidity / 工作濕度
Humedad de funcionamiento

0~90%, non-condensing / 不結霜
sin condensación

Ingress Protection / 防護等級
Protección de ingreso

IP67 (IEC 60529)

Impact Protection / 衝擊保護
Protección contra impactos

IK09 (IEC 62262)

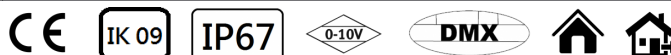
Dimension / 尺寸 / Dimensión

W: 12 x H: 12mm

Comply Testing Standard
符合測試標準
Cumplir el estándar de prueba

LED Luminaries: IEC/EN 60598-1;EN / IEC/EN 60598-2-1;IEC62471; IEC TR 62778:2014 IEC/EN 62031; IEC/EN 62493; IEC 60529; IEC/EN 55015; IEC/EN 61000-3-2; IEC/EN 61000-3-3; IEC/EN 61547
LED Driver: EN 55015; IEC/EN 61000-3-2; IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN61574; IEC/EN 62384;

Certification-認證-Certificación



Project	Fixture#	Date
		Firm



Ordering Information

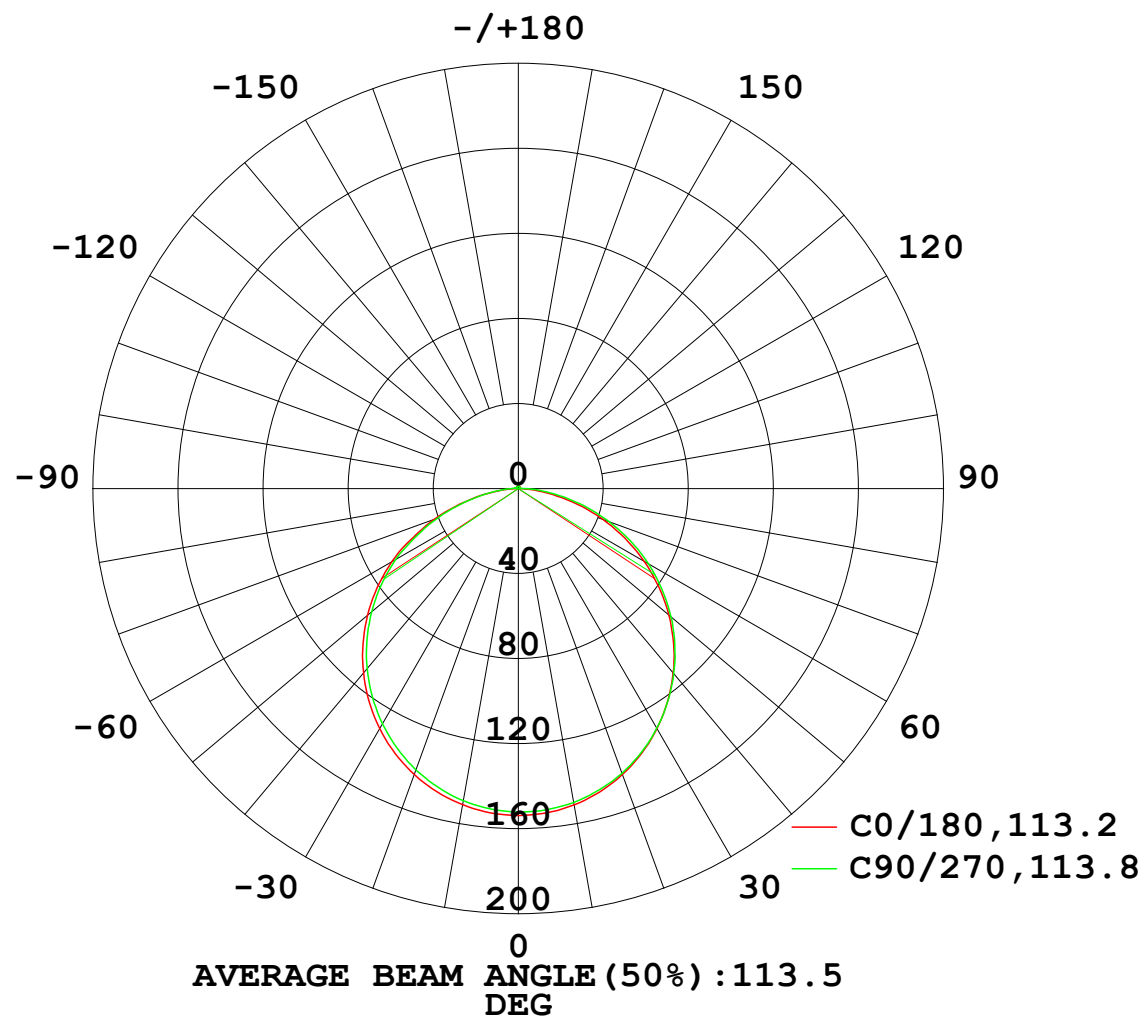
Choose the option that suits your need and write its corresponding code on the appropriate line to form the product code.

Example product code: [SIGMA-10W](#)

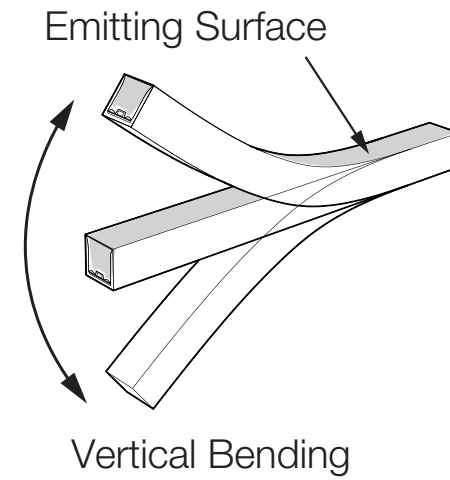
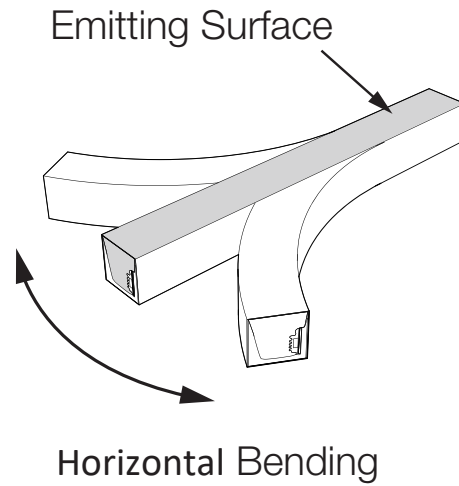
SIGMA - -
[Power Consumption](#)

Power Consumption	
Code	Description
5W	5W @ 120LEDS / 140 LEDs
6W	6W @ 120LEDS / 140 LEDs
8W	8W @ 120LEDS / 140 LEDs
10W	10W @ 120LEDS / 140 LEDs
12W	12W @ 120LEDS / 140 LEDs
15W	15W @ 120LEDS / 140 LEDs

Beam Angle



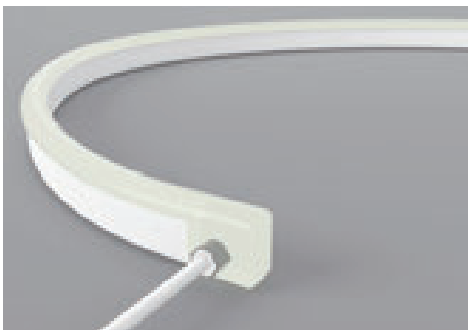
Bending Direction & Dimension



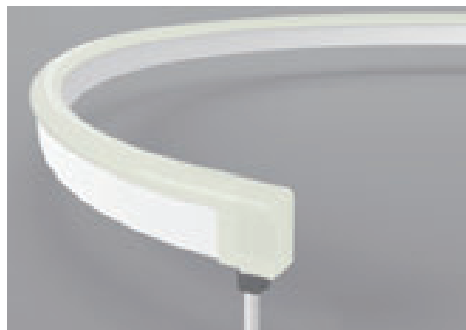
Cable Output Direction



Direct Entry



Side Entry



Bottom Entry

Mounting Profile

