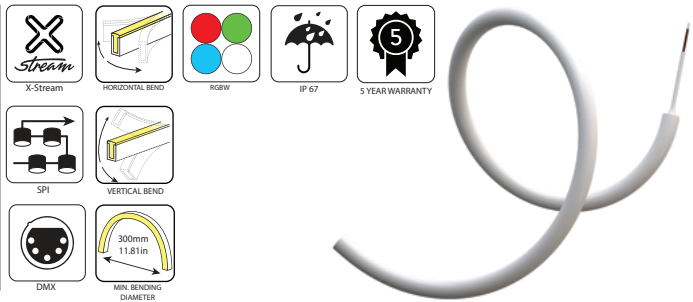


FXN 360 | FLEXIBLE NEON

The FXN 360 offers uniform and widespread illumination with 360° beam angle, making it perfect for one-piece display lighting both indoor and outdoors.

The fully diffused silicone snures consistent and reliable shadow-free and spot-free lighting. With IP65 rating, you can create varied shapes out of one single circular light and produce stunning light artwork.



PART NUMBER CONFIGURATOR

Prefix	Model	LED Colour	White CCT	Control	Bending Direction	Power	Voltage	LEDs Qty/m	Min. Cutting Length (mm)
FXN	360	RGBW RGB	27K – 2700K 30K – 3000K 40K – 4000K 50K – 5000K 60K – 6000K	D – DMX S – SPI	F – Freebend	9 – 9W	24 – 24V DC	192 – 192LEDs/m 336 – 336LEDs/m	50 – 50mm

Example: FXN – 360 – RGBW – 27K – D – F – 9 – 24 – 336 – 50

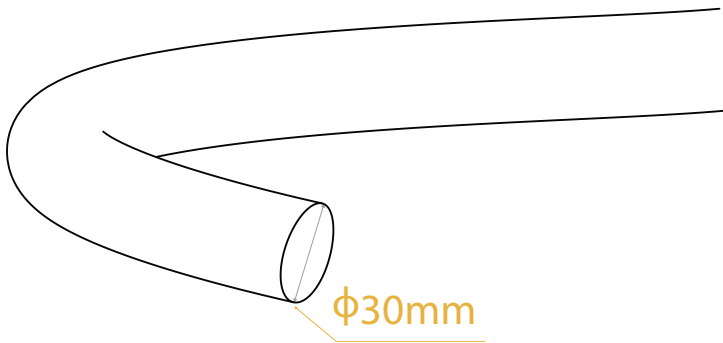
SPECIFICATIONS

Electrical	Power Consumption Operating Voltage Installation Temperature Operating Temperature Storage Temperature Current (mA/m)	9W per metre (fixed, standard configuration) 24V DC -40°C TO 55°C - (-40°F TO 131°F) -40°C TO 55°C - (-40°F TO 131°F) -40°C TO 60°C - (-40°F TO 140°F) 1.00A (RGB+W), 1.01A (RGB), 1.08 (RGBW/DMX), 1.03 (RGBW/SPI)
Physical	Dimensions Bending Housing / Lens Weight/m CRI IP Rating IK Rating LED Qty/m Min. Cutting Length Min. Bending Diameter Unit/m (Pixel Qty/m) Connectors Mounting Profiles Accessories Data Maximum Run Length	L: 1000mm – Φ: 30mm Freebend Silicone 650g >90 IP67 IK10 336LEDs/m (RGB+W), 192LEDs/m (RGB) 50mm (1unit) 300mm 8pxl/m (RGB), 7pxl/m (RGBW) Silicone Injection-moulded Connector U-Shaped Surface Mount, I-Shaped Surface Mount I-Shaped Suspension 96m @8pixels/m (RGB), 109m @7pixels/m (RGBW) – (6 universes & 4 channels)
Optical	Beam Angle Colour Range Total Lumens	360° RGBW, RGB >650lm/m
Diming & Control	Control Protocols Dimming Resolution	X-Stream: SPI protocol with data redundancy Others – SPI, DMX
Fixture Rating & Certifications	UL LISTED, CE RoHS COMPLIANT	  
Limited Warranty	5 Years	Extendable Warranty Available

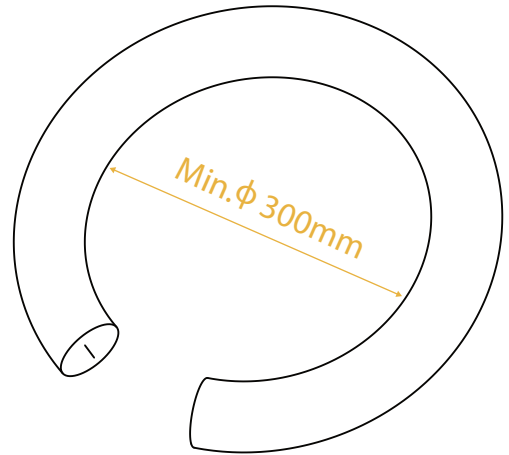
FXN 360 | FLEXIBLE NEON

DIMENSIONS & BENDING

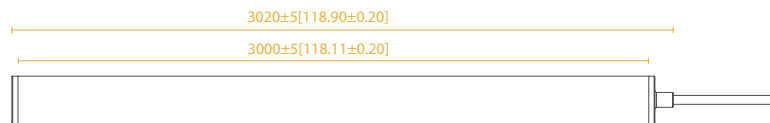
Dimensions of Light



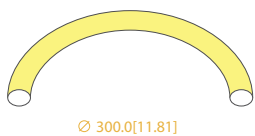
Minimum Bending Diameter



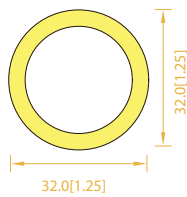
Profile Drawings



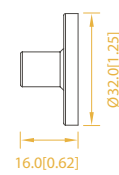
Bend direction



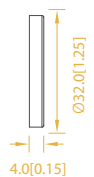
Sectional view



Front cap

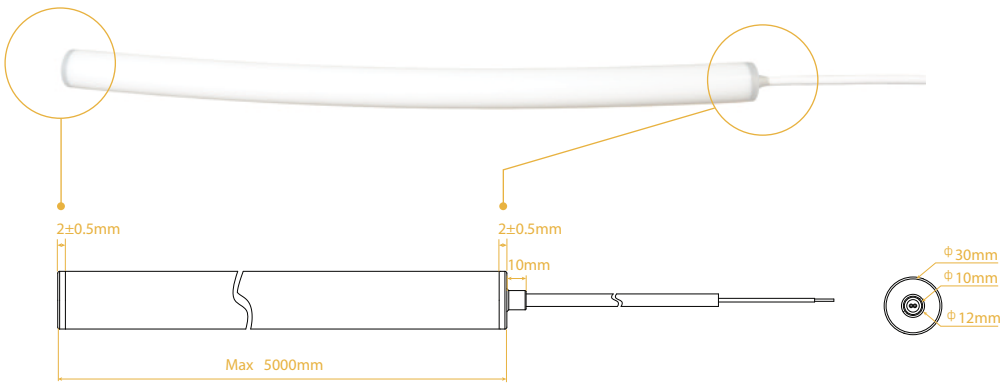


Closing-end cap



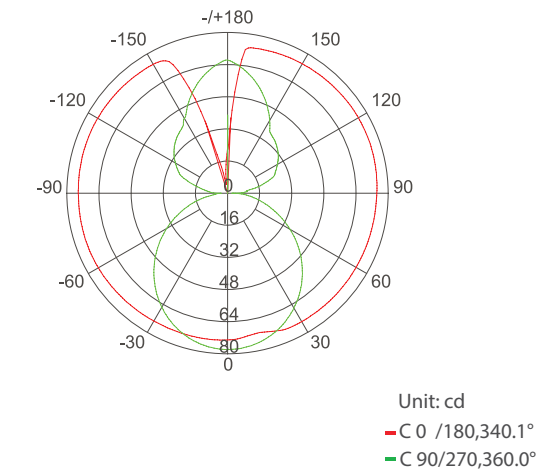
FXN 360 | FLEXIBLE NEON
CONNECTORS

Silicone Injection-moulded Connector IP65



Luminous Intensity Distribution Diagram

Average Illumination



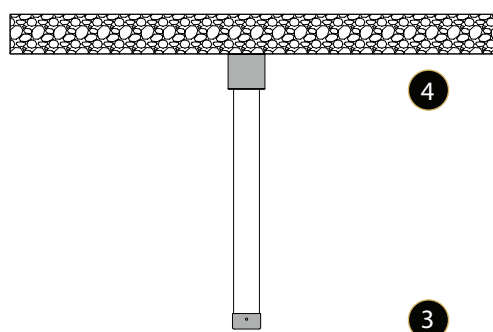
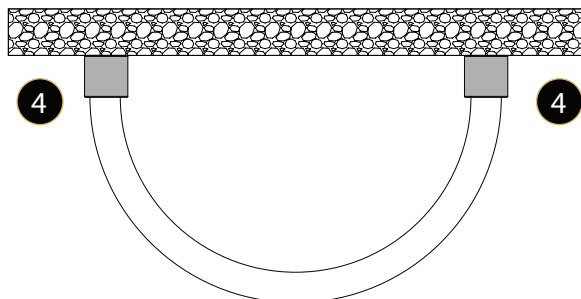
AVERAGE BEAM ANGLE (50%): 350.0°

Flux Out: 128.9lm		(CCT=6000K)	
Height	Eavg, Emax	Beam Angle: 90.00°	Diameter
0.5m	164.1,311.5lx		100cm
1.0m	41.02,77.88lx		200cm
1.5m	18.23,34.61lx		300cm
2.0m	10.26,19.47lx		400cm
2.5m	6.564,12.46lx		500cm
3.0m	4.558,8.653lx		600cm
3.5m	3.349,6.357lx		700cm
4.0m	2.564,4.867lx		800cm
4.5m	2.026,3.846lx		900cm
5.0m	1.641,3.115lx		1000cm

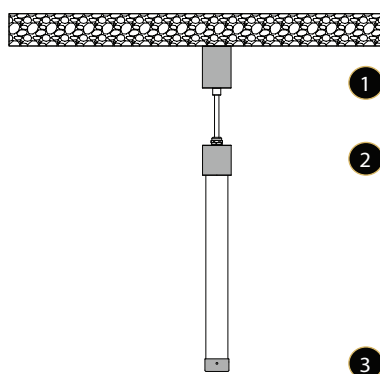
FXN 360 FLEXIBLE NEON MOUNTING PROFILES & ACCESSORIES

U-Shaped Surface Mount IP20

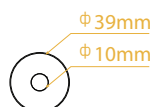
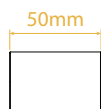
I-Shaped Surface Mount



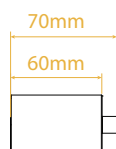
Accessory – I-Shaped Suspension IP54



1



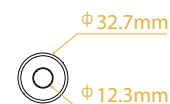
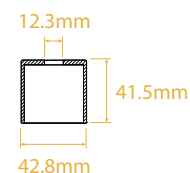
2



3

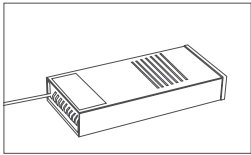


4

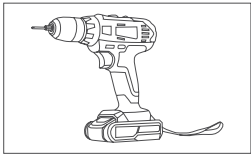


FXN 360 FLEXIBLE NEON

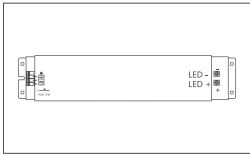
PRODUCTS & TOOLS



LED power supply

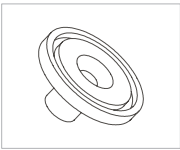


Electric drill

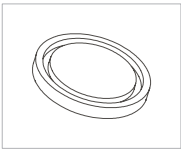


Controller (If needed)

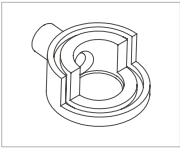
Product Accessories



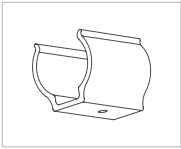
Item: Front cap
Dimensions L*W*H: Ø 32*16mm
Quantity (3m): 2pcs
Free/Optional Optional



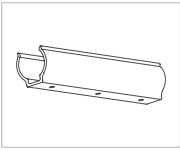
Item: Closing End-cap
Dimensions L*W*H: Ø 32*4mm
Quantity (3m): 2pcs
Free/Optional Optional



Item: Front cap (side outlet)
Dimensions L*W*H: 41*32*15mm
Quantity (3m): --
Free/Optional Optional



Item: Plastic groove-20mm
Dimensions L*W*H: 20*37*36.6mm
Quantity (3m): --
Free/Optional Optional



Item: Plastic groove-1000mm
Dimensions L*W*H: 1000*37*36.6mm
Quantity (3m): --
Free/Optional Optional

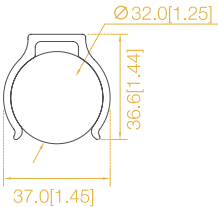


Item: Silicone Glue
Dimensions: 45g/pc
Quantity (3m): --
Free/Optional Optional



Item: Screws
Dimensions L*W*H: PA3*10 mm
Quantity (3m): --
Free/Optional Optional

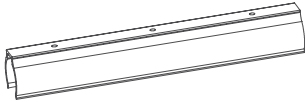
Profile Drawings (neon + installation accessories)



Plastic groove

FXN 360 FLEXIBLE NEON PRODUCTS & TOOLS

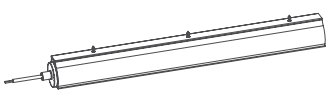
Installation



Prepare the plastic groove



Use screws to fix the plastic groove
to the mounting surface



Put the strip into the groove



Note:
The profile must be installed vertically and securely fastened, as shown in the diagram above.
Customers should choose the appropriate installation steps based on their actual needs.
During the installation process, please ensure that the minimum bending diameter is met at corners.
Please use our company's matching accessories for installation to avoid unnecessary damage.
For more information, please contact sales rep.