

FLEX NEON Silicon LED profile

12W/24V, IP66, CRI80

Product Family / Series	FLEX NEON
Product Category	Silicon led profile
Product Type	Flexible LED Strip

Description :

FLEX NEON Silicon LED profile is a flexible, high-quality LED strip designed to create homogeneous, uniform and dot-free light lines. The range combines diffuse optics with high-performance silicone protection, offering luminous flux up to 780 lm/m, IP66 protection, excellent color uniformity and flexible installation. Available in multiple white color temperatures and monochrome colors, the system is suitable for architectural integration, façade lighting, cove lighting and outdoor applications. The strip can be cut to support design freedom and is compatible with 24V DC LED drivers and dimmers.



Optical Specifications

Light Source	LED
Number of LEDs	120 LEDs/m
Beam Angle	120°
Luminous Flux (lm)	780 lm/m, depending on model and CCT
Luminous Efficacy (lm/W)	63 lm/W, depending on model and CCT
Color Uniformity	≤2 SDCM
CCT	3000 K / 4000 K
CRI	>80
Flicker	Flicker free

Electrical Specifications

Nominal Voltage	24.0 V DC
Reverse Voltage Protection	Up to 25 V
Power	12 W/m
Dimming	Dimmable by LED drivers

Mechanical Specifications

Dimensions	8*8 mm, 10*10 mm, 15*10 mm, 16*16 mm, 20*20 mm
Standard Length	100 m Roll, Custom Lengths by request
LED Pitch / Density	120 LEDs/m
Flexibility	Flexible
Cuttability	Cuttable every 5 cm
Mounting	Recessed or Surface Mounted
Connection	Connector supplied by request
Material / Protection	High-performance silicone

Environmental

IP Rating	IP66
Operating Temperature	-30°C to +75°C
Ambient Temperature	-30°C to +50°C
Storage Temperature	-30°C to +75°C
Outdoor Suitability	Yes
UV Resistance	Yes
Salt Mist Resistance	Yes

Lifetime & Reliability

Lifetime	Up to 30,000 hours
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Compliance

CE	Yes
RoHS	Yes
ENEC	ENEC 10
EAC	Yes

Applications

Architectural Integration, Façade Lighting, Cove Lighting, Outdoor Applications, Decorative Linear Lighting, Interior Architectural Lighting.

Key Features

- Homogeneous and uniform dot-free light lines
- Luminous flux up to 780 lm/m
- IP66 & IP67 protection with high-performance silicone
- Color uniformity ≤ 2 SDCM
- Lifetime up to 30,000 hours
- Wide selection of white color temperatures
- Flexible and cuttable construction
- Extra-strong self-adhesive backside for easy mounting
- Dimmable with Dali LED drivers
- UV and salt mist resistant for outdoor use
- Made in China