

AURORA
BOREALE

Expand your Brightness



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WEBSITE

www.ablighting.ae

ABTECH Lighting Solutions

NEON FLEX

DATASHEET ^{12x12}

SIDE BEND Neon Flex

NEON FLEX

12×12 - SIDE BEND



Description

Architectural side-bending neon flex designed for continuous linear illumination in curved and customized lighting applications. The silicone extrusion construction provides uniform dot-free lighting performance with high flexibility, durability, and outdoor protection for architectural and decorative environments.

APPLICATIONS

- Architectural lighting
- Cove and indirect lighting
- Façade detailing
- Hospitality projects
- Furniture integration
- Decorative linear lighting

Key Feature

- **Uniform**
dot-free illumination
- **Flexible**
side-bending design
- **Silicone anti-yellowing**
construction
- **IP67**
outdoor protection
- **Compatible with**
clips and profile
installation
- **Smooth and soft**
light output

NEON FLEX

12×12 - SIDE BEND

PRODUCT RANGE

Power	Voltage	CCT	CRI	LED Density	IP Rating	PCB Width	Cut Length
10W/m	24V DC	3000K	90	140 LED/m	IP67	8 mm	50 mm
10W/m	24V DC	4000K	90	140 LED/m	IP67	8 mm	50 mm
12W/m	24V DC	3000K	90	240 LED/m	IP67	8 mm	50 mm
12W/m	24V DC	4000K	90	240 LED/m	IP67	8 mm	50 mm
12W/m	24V DC	RGB	90	96 LED/m	IP67	8 mm	50 mm
12W/m	24V DC	RGBW	90	96 LED/m	IP67	8 mm	50 mm

TECHNICAL SPECIFICATIONS

• LIGHT SOURCE & PERFORMANCE

LED Type	SMD 2835 / SMD 5050
Beam Angle	120°
Light Output	230 – 600 lm/m
Lighting Effect	Uniform dot-free illumination
Color Consistency	Standard SDCM

• MECHANICAL SPECIFICATIONS

Product Size	12 × 12 mm
FPC Width	8 mm
Cutable Length	50 mm / 62.5 mm
Material	Extruded Silicone
Bend Type	Side Bend
Minimum Bend Radius	300 mm
Cable Exit Options	End / Side / Bottom
Installation Method	Clips / Aluminum Profiles

• ELECTRICAL SPECIFICATIONS

Input Voltage	24V DC
Current Consumption	417 – 500 mA/m
Maximum Run Length	5 meters
Power Feeding	Single-side power feed
Dimming Compatibility	Supported depending on control system
Control Options	Single Color / RGB / RGBW

• PROTECTION & ENVIRONMENT

IP Rating	IP67
Impact Protection	IK08
Working Temperature	-25°C to +60°C
Storage Temperature	-25°C to +70°C
UV Resistance	☒ ☐
Flame Resistance	☒ ☐
Saltwater Resistance	☒ ☐
Solvent Resistance	☒ ☐

WARRANTY

5 Years
Warranty

CERTIFICATIONS





AURORA BOREALE