

AURORA
BOREALE

Expand your Brightness



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WEBSITE

www.ablighting.ae

ABTECH Lighting Solutions

NEON FLEX

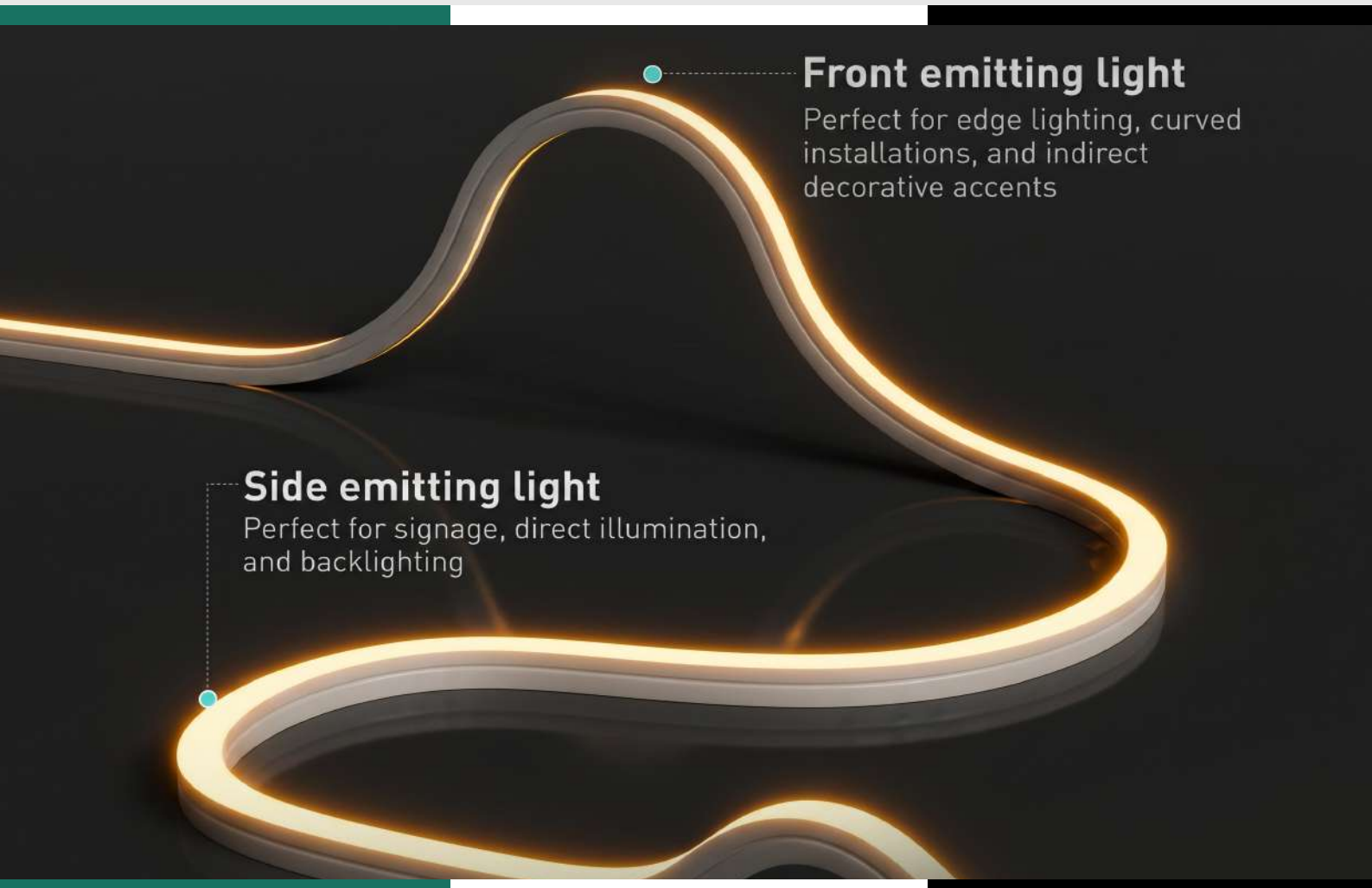
DATASHEET 15x15

3D BEND Neon Flex



NEON FLEX

15x15 - 3D BEND



Front emitting light

Perfect for edge lighting, curved installations, and indirect decorative accents

Side emitting light

Perfect for signage, direct illumination, and backlighting

Description

Architectural 3D bending neon flex designed for continuous linear illumination in free-form and customized lighting applications.

The flexible silicone construction enables both top and side bending directions while maintaining uniform dot-free lighting performance for creative architectural and decorative installations.

APPLICATIONS

- Architectural lighting
- Decorative linear lighting
- Curved lighting features
- Hospitality projects
- Furniture integration
- Customized lighting applications

Key Feature

- **Uniform**
dot-free illumination
- **Flexible**
3D-bending design
- **Silicone anti-yellowing**
construction
- **IP67**
outdoor protection
- **Compatible with**
clips and profile
installation
- **Top and side**
bending capability

NEON FLEX

15x15 - 3D BEND

PRODUCT RANGE

Power	Voltage	CCT	CRI	LED Density	IP Rating	PCB Width	Cut Length
10W/m	24V DC	3000K	90	120 LED/m	IP67	10 mm	50 mm
10W/m	24V DC	4000K	90	120 LED/m	IP67	10 mm	50 mm

TECHNICAL SPECIFICATIONS

• LIGHT SOURCE & PERFORMANCE

LED Type	SMD 2835
Beam Angle	120°
Light Output	400 – 500 lm/m
Lighting Effect	Uniform dot-free illumination
Color Consistency	Standard SDCM

• MECHANICAL SPECIFICATIONS

Product Size	15 × 15 mm
FPC Width	10 mm
Cuttable Length	50 mm
Material	Extruded Silicone
Bend Type	3D Bend
Bending Direction	Top Bend & 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 mA/m
Maximum Run Length	5 meters
Power Feeding	Single-side power feed
Dimming Compatibility	Supported depending on control system

• 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	☒ ☐

CERTIFICATIONS



WARRANTY

5 Years
Warranty





AURORA BOREALE