SILICONE LED NEON · SIDE BEND · IP65

NEON-48S

4 × 8 mm micro side-bend silicone neon, 24 V DC



PROFILE	4 × 8 mm
POWER	6 W/m
VOLTAGE	24 V DC
PROTECTION	IP65
CRI	90
MIN. BEND Ø	30 mm

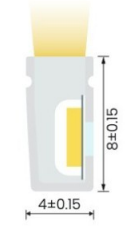
Overview

NEON-48S is a 4 × 8 mm micro side-bend LED neon extruded from high-transparency silicone. Its very small profile and 30 mm minimum bend diameter make it ideal for fine contour lines, lettering, furniture edges and interior detailing where space is tight. The optical structure gives a continuous, dot-free line of light. Constant voltage, 24 V DC, PWM dimmable.

Specifications

Bending direction	**Side (horizontal)**
Cross section	**4 ± 0.15 × 8 ± 0.15 mm**
Input voltage	**24 V DC, constant voltage**
Power	**6 W/m**
Colour options	**2700K, 3000K, 6000K**
CRI	**90**
Dimming	**PWM**
Cut unit	**50 mm**
Min. bend diameter	**30 mm**
Protection	**IP65**
Material	**Silicone, milky-white diffuser**
Ambient temperature	**−25 °C to +55 °C**
Storage temperature	**−25 °C to +60 °C**
LED solder-point temp.	**Max. 65 °C**
Beam angle	**117°**

Cross Section



Cross section

ORDERING INFORMATION

Product Code

NEON-48S
MODEL

2700K · 3000K · 6000K
COLOUR TEMPERATURE

Ordering code = model + colour temperature. Example: **NEON-48S-3000K**. All versions are constant voltage (CV) at 6 W/m.

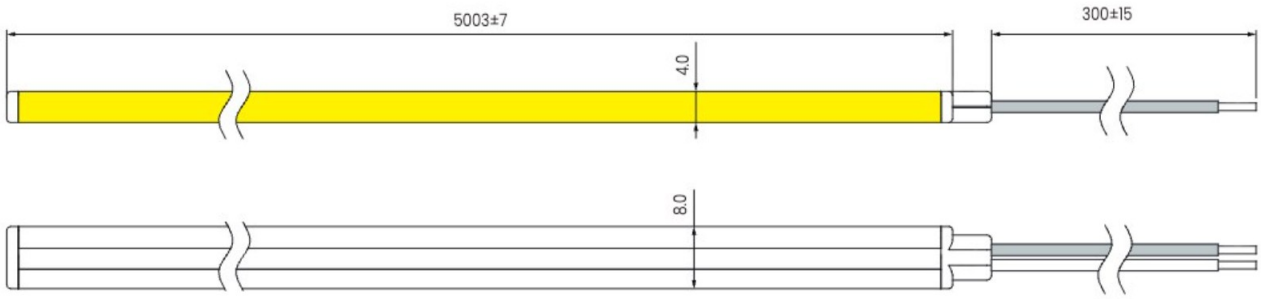
Photometric Data

CODE	COLOUR	DRIVE	POWER	LM/M	LM/W	CUT	MAX RUN	MAX AMB.
NEON-48S-2700K	Warm White 2700K	CV	6 W/m	204	34.0	50 mm	5 m	55 °C
NEON-48S-3000K	Warm White 3000K	CV	6 W/m	219	36.5	50 mm	5 m	55 °C
NEON-48S-6000K	Cool White 6000K	CV	6 W/m	208	34.7	50 mm	5 m	55 °C

Measured at 24 V DC, full output. Max run = maximum length from a single feed point. CCT tolerance ±150 K. Other colours on request.

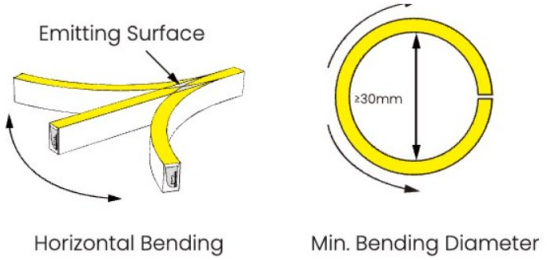
DIMENSIONS & INSTALLATION

Dimensions (unit: mm)



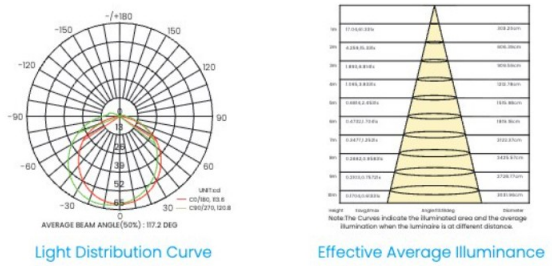
Example shown: 5 m length (5003 ± 7 mm), 4 × 8 mm profile, 300 ± 15 mm lead cable.

Bending



Side (horizontal) bending; minimum bend diameter 30 mm.

Light Distribution



Reference: 24 V, 6 W/m, single colour, 4000K. IES files for other versions on request.

Length Standard

NEON LENGTH (L)	INTEGRAL END CAP	SILICONE END CAP	TOLERANCE
0 m < L ≤ 5 m	L + 3	L + 4.5	±7

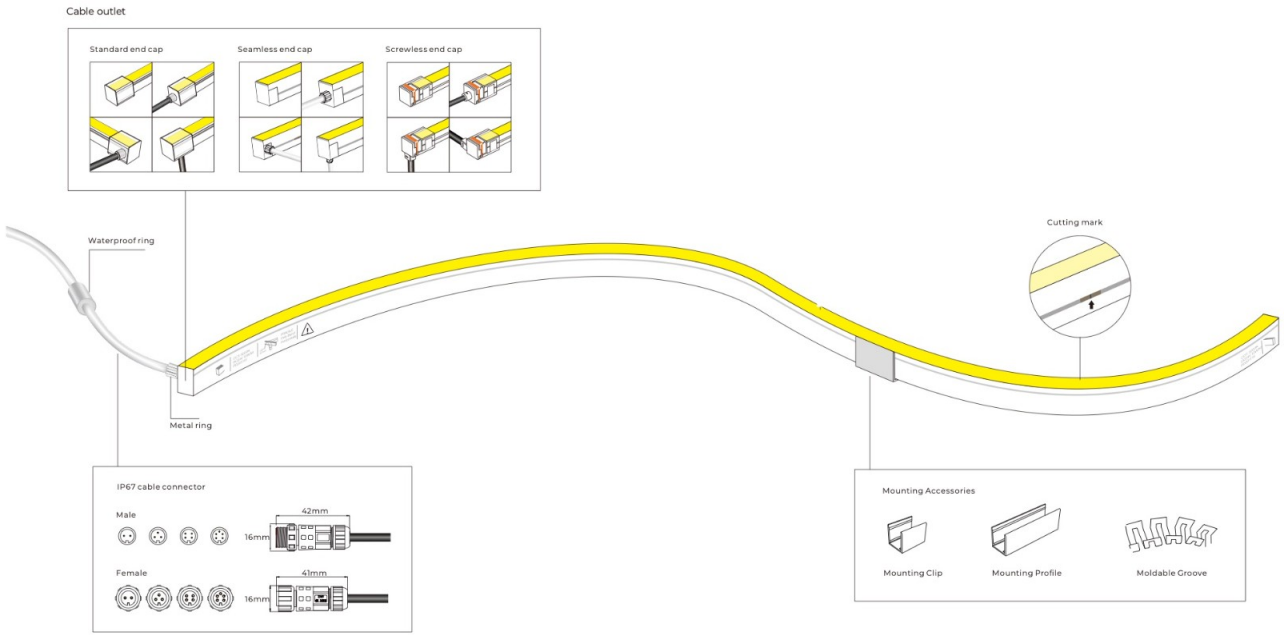
Final length in mm by end-cap type. Light output and power may vary by up to ±10% due to production and component tolerances.

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Cable Outlet & Mounting

End caps, cable entry, connectors and mounting accessories for MareLuce silicone neon.

System Overview



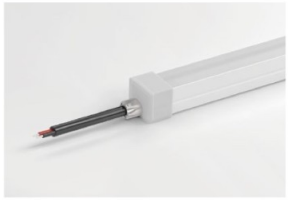
Each piece is supplied sealed: cable outlet at the feed end, closed end cap at the far end. Cut only at the marked cutting points; the maximum run length per feed point is given in the product datasheet.

End Cap Types

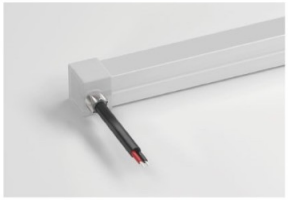
TYPE	CONSTRUCTION	BEST FOR
Standard silicone end cap	Moulded silicone cap, IP67 sealed	General use; the default option
Seamless end cap	Light runs to the very end, no dark area	Corners, butted joints and closed shapes
Screwless end cap	Mechanical quick-connect cap with gasket, IP67 (see next page)	On-site cutting and fast replacement

Cable Entry Direction

Silicone End Cap (IP67)



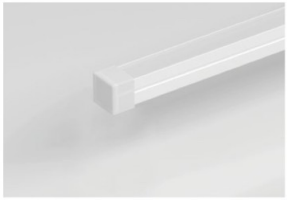
Front Cable Entry



Side Cable Entry



Bottom Cable Entry



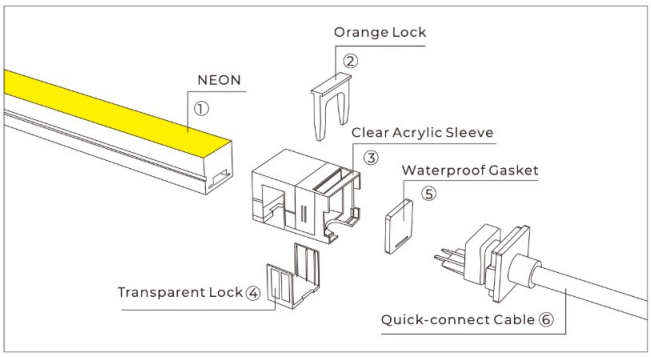
Closed end cap

Front: cable exits in line with the neon. **Side:** cable leaves at 90° for runs that end against a wall. **Bottom:** cable passes straight down through the mounting surface for hidden wiring. **Closed end cap:** blind end without cable. Specify end cap and cable entry for each end when ordering; availability varies by model.

INSTALLATION GUIDE · LED NEON FLEX

Screwless End Cap

IP67 screwless end cap deconstruction diagram



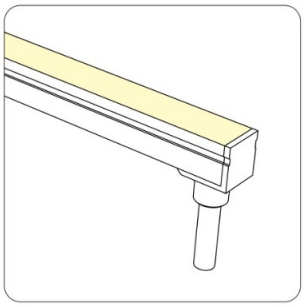
The screwless end cap seals a cut end to IP67 without glue or soldering, so pieces can be cut to length and connected on site.

1. Neon
2. Orange lock
3. Clear acrylic sleeve
4. Transparent lock
5. Waterproof gasket
6. Quick-connect cable

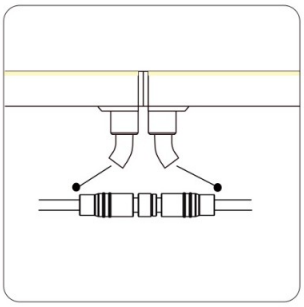
Follow the assembly instructions supplied with the cap.

Joints & Corners

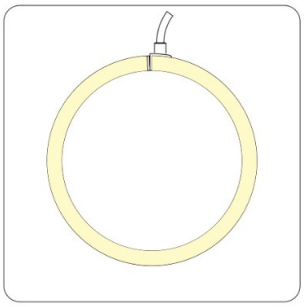
IP67 seamless end cap without dark area



Linear interconnection without dark area



Curve interconnection of lighting outward without dark area



Curve interconnection of lighting outward without dark area



Seamless end caps let two pieces meet without a dark gap, in straight lines and in closed curves. Join pieces with IP67 cable connectors (Ø16 mm, 41–42 mm long, 2 to 5 pins) and place connectors where they stay dry and accessible.

Mounting

ACCESSORY	USE
Mounting clips	Fixed at regular intervals along straight and curved runs; quick to install.
Mounting profile	Aluminium or PC channel for continuous support and a clean, straight line; recommended on exterior and overhead runs.
Moldable groove	Flexible channel that follows curves, letters and logos.
Recessed (wing) neon	Pressed into a routed groove, no profile needed; groove size in the product datasheet.

Installation Notes

- Respect the **bending direction** and **minimum bend diameter** in the product datasheet; do not bend at end caps or cable outlets.
- Do not twist the neon, and never pull or carry it by the cable.
- Cut only at the marked cutting points and reseal every cut end with an end cap to keep the IP rating.
- Use the power supply type and voltage given in the datasheet and do not exceed the maximum run length; feed longer lines from several points.
- On deck and exterior areas keep connections and power supplies protected from standing water; rinse salt deposits with fresh water.
- Switch off the power before installation or maintenance; installation should be carried out by a qualified electrician.

Drawings are for illustration; details may vary by model. Contact MareLuce for project-specific advice.