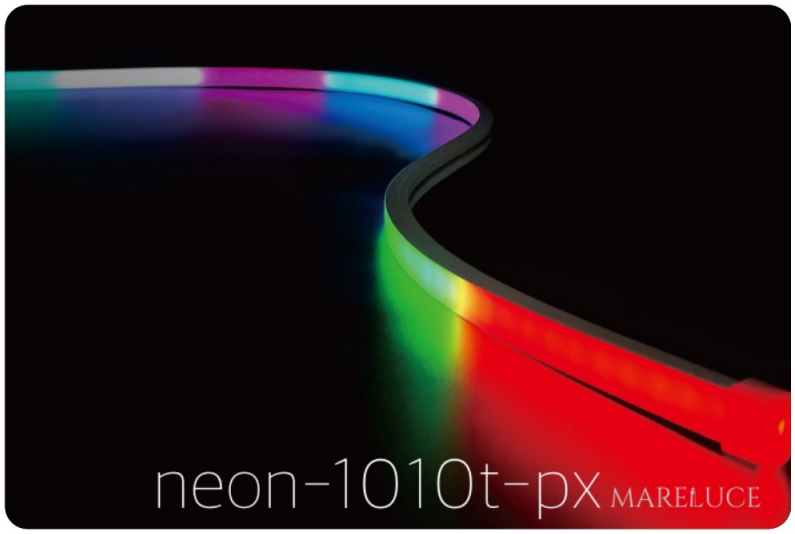
ADDRESSABLE LED NEON · PIXEL RGB · IP67

NEON-1010T-PX

10 × 10 mm addressable pixel RGB silicone neon, 24 V DC, WS2811



PROFILE	10 × 10 mm
POWER	12.5 W/m
VOLTAGE	24 V DC
PROTECTION	IP67
PIXELS	10 / m
IC	WS2811

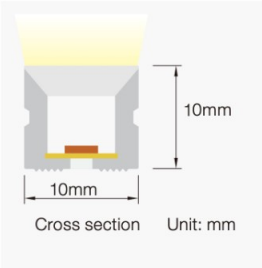
Overview

NEON-1010T-PX is a 10 × 10 mm top-view silicone neon with individually addressable RGB pixels every 100 mm. Driven by a WS2811 single-wire SPI signal, it plays chases, gradients and colour effects along hull lines, decks, bars and architectural details. One-piece extruded silicone, IP67, resistant to salt solution, weak acids, alkalis and UV.

Specifications

Light type	**Addressable RGB (pixel)**
Cross section	**10 × 10 mm**
Input voltage	**24 V DC**
Power	**12.5 W/m (RGB full output)**
Control	**SPI, single data line (DI/DO)**
IC	**WS2811**
Pixels	**10 per metre**
Cut unit	**100 mm**
Protection	**IP67**
Material	**Silicone, milky-white diffuser**
Cable	**PVC, OD 4.0 mm, 3-core, with waterproof connectors**

Cross Section



ORDERING INFORMATION

Product Code

NEON-1010T-PX
MODEL

RGB
COLOUR
WS2811 · 10 px/m

Single ordering code. Pixel pitch 100 mm (10 pixels per metre), cut at every pixel mark. Controlled by any SPI pixel controller supporting WS2811.

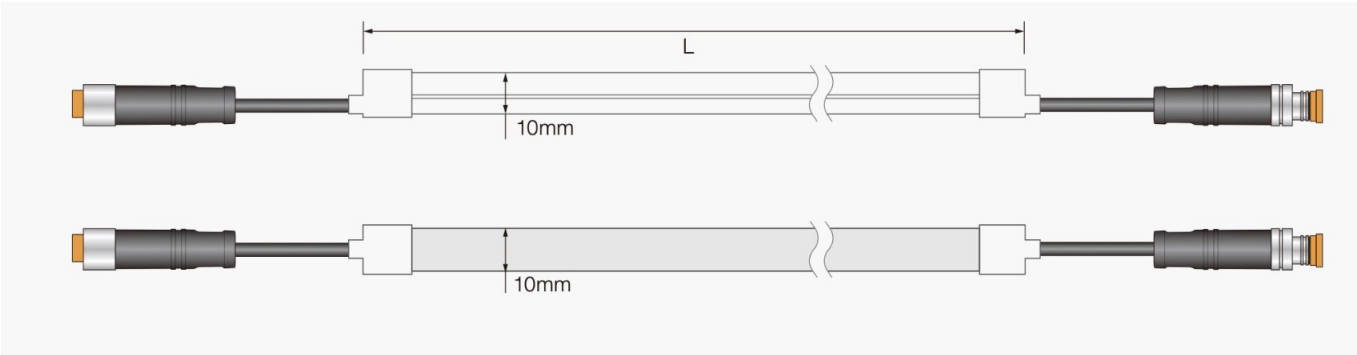
Photometric Data

CODE	OUTPUT	POWER	LM/M	LM/W	PIXELS/M	CUT	IC
NEON-1010T-PX	RGB (all channels)	12.5 W/m	304	24.3	10	100 mm	WS2811
	Red only	4.8 W/m	69	14.4	10	100 mm	WS2811
	Green only	4.8 W/m	216	45.0	10	100 mm	WS2811
	Blue only	4.8 W/m	35	7.3	10	100 mm	WS2811

Measured at 24 V DC, full output per channel. Single-wire SPI data (DI/DO).

DIMENSIONS & INSTALLATION

Dimensions (unit: mm)



L = ordered length; waterproof connector cable on both ends.

Wiring

CORE	FUNCTION
Red	V+ (24 V DC)
Green	Data DI / DO
Black	V− (GND)

PVC cable OD 4.0 mm with waterproof male/female connectors.

Control

Signal	SPI, single data cable
IC	WS2811
Pixel pitch	100 mm
Controller	Any WS2811-compatible SPI pixel controller

Pixel & Length

ITEM	VALUE
Pixel pitch / cut unit	100 mm
Pixels per metre	10
Lengths	To order, in multiples of 100 mm

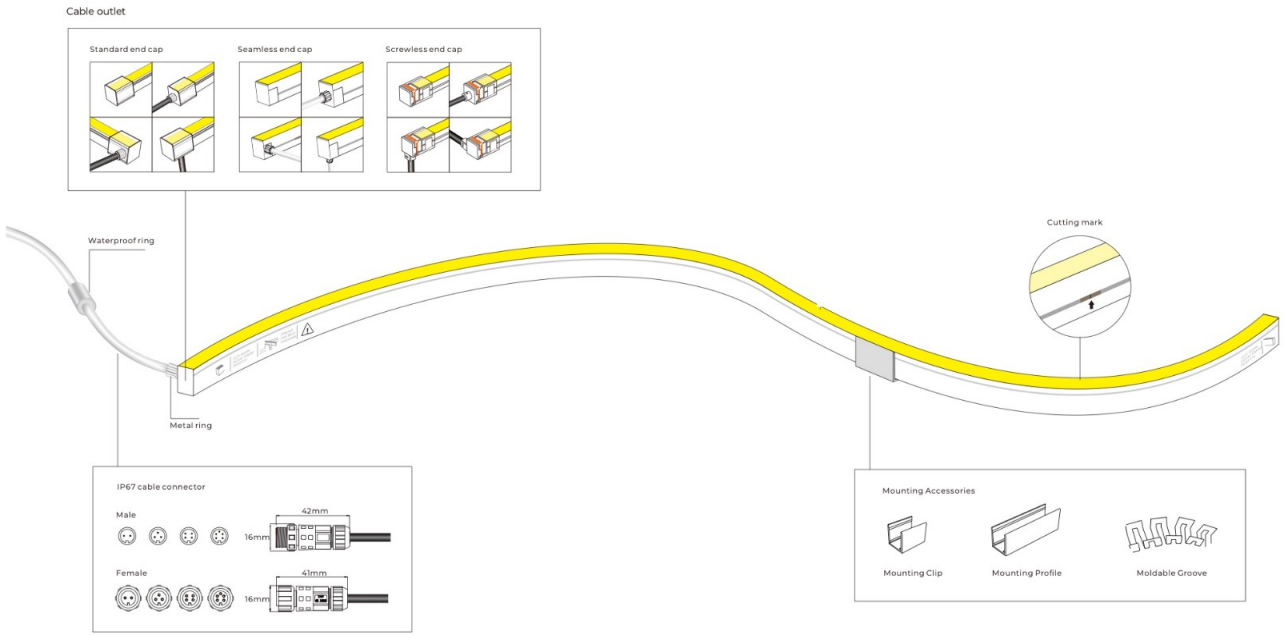
Light output and power may vary by up to ±10% due to production and component tolerances.

INSTALLATION GUIDE · LED NEON FLEX

Cable Outlet & Mounting

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

System Overview



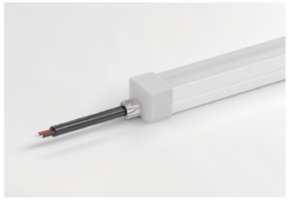
Each piece is supplied sealed: cable outlet at the feed end, closed end cap at the far end. Cut only at the marked cutting points; the maximum run length per feed point is given in the product datasheet.

End Cap Types

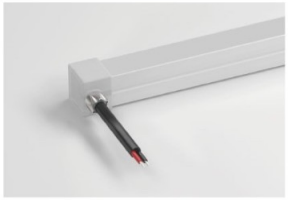
TYPE	CONSTRUCTION	BEST FOR
Standard silicone end cap	Moulded silicone cap, IP67 sealed	General use; the default option
Seamless end cap	Light runs to the very end, no dark area	Corners, butted joints and closed shapes
Screwless end cap	Mechanical quick-connect cap with gasket, IP67 (see next page)	On-site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

Cable Entry Direction

Silicone End Cap (IP67)



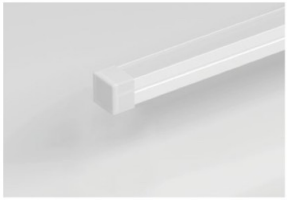
Front Cable Entry



Side Cable Entry



Bottom Cable Entry



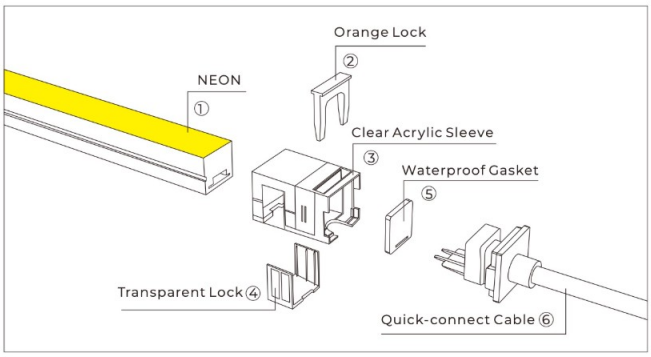
Closed end cap

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



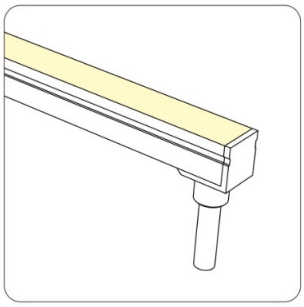
The screwless end cap seals a cut end to IP67 without glue or soldering, so pieces can be cut to length and connected on site.

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

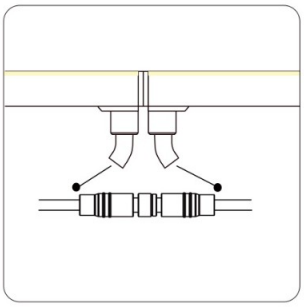
Follow the assembly instructions supplied with the cap.

Joints & Corners

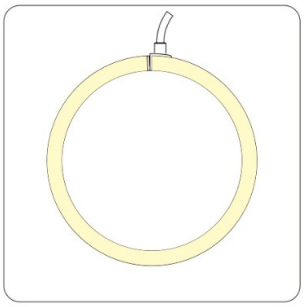
IP67 seamless end cap without dark area



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.