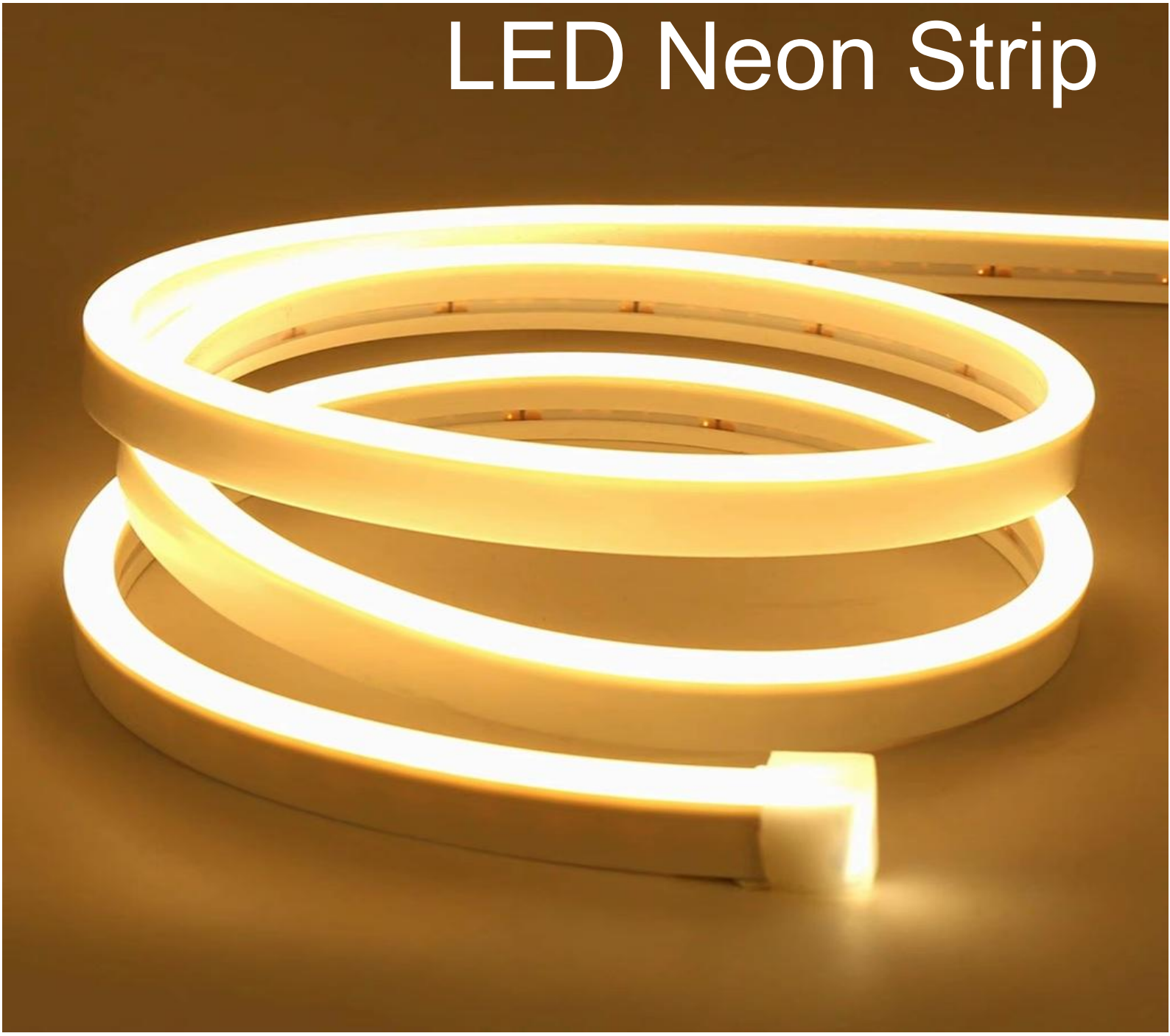
Product Data Sheet

LED Neon Strip



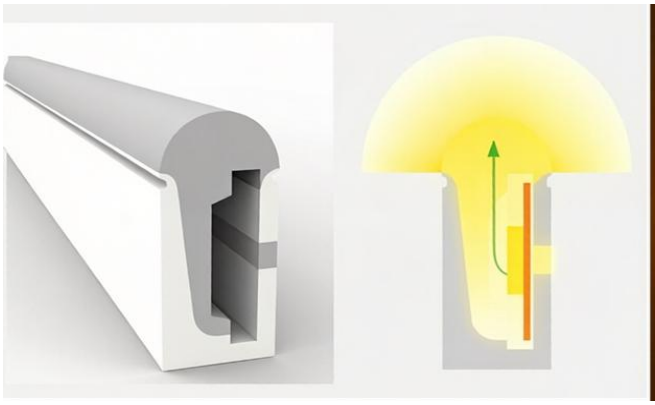
CE RoHS IP66 SINGLE CCT 2700K 3000K 3500K 4000K 5000K HE HE

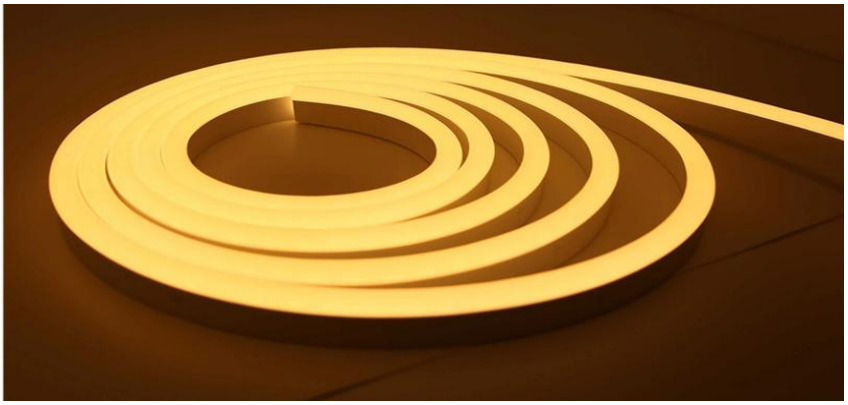
Coerm Lighting www.coerm.com email: ren@coerm.com

Overview

The LED Neon Strip is a flexible lighting solution designed to replicate the visual aesthetics of traditional neon. It consists of LED strips encased in a thick, solid PVC polymer jacket. This specialized housing acts as a diffuser, blending individual points of light into a single, uniform glow that mimics traditional neon.

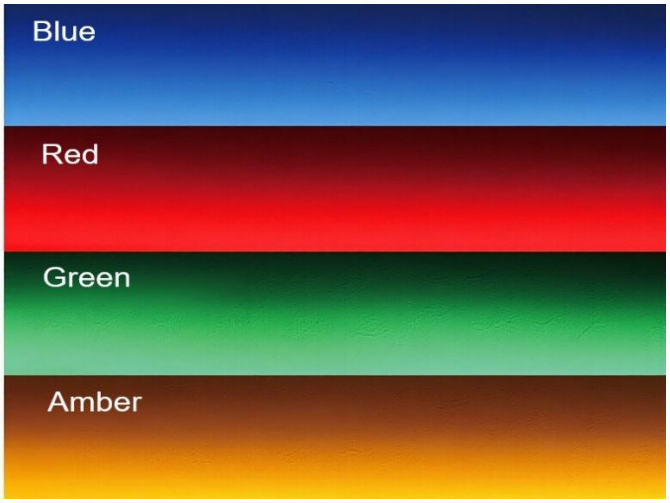
Internally, the strip typically features high-density SMD or COB LED chips mounted on a flexible circuit board, which is then encased through an extrusion molding process. This material not only serves as a light diffuser but also protects against moisture, dust, UV rays, and physical impact. The result is a visually striking and highly durable product—ideal for both indoor and outdoor applications where performance and reliability are critical.





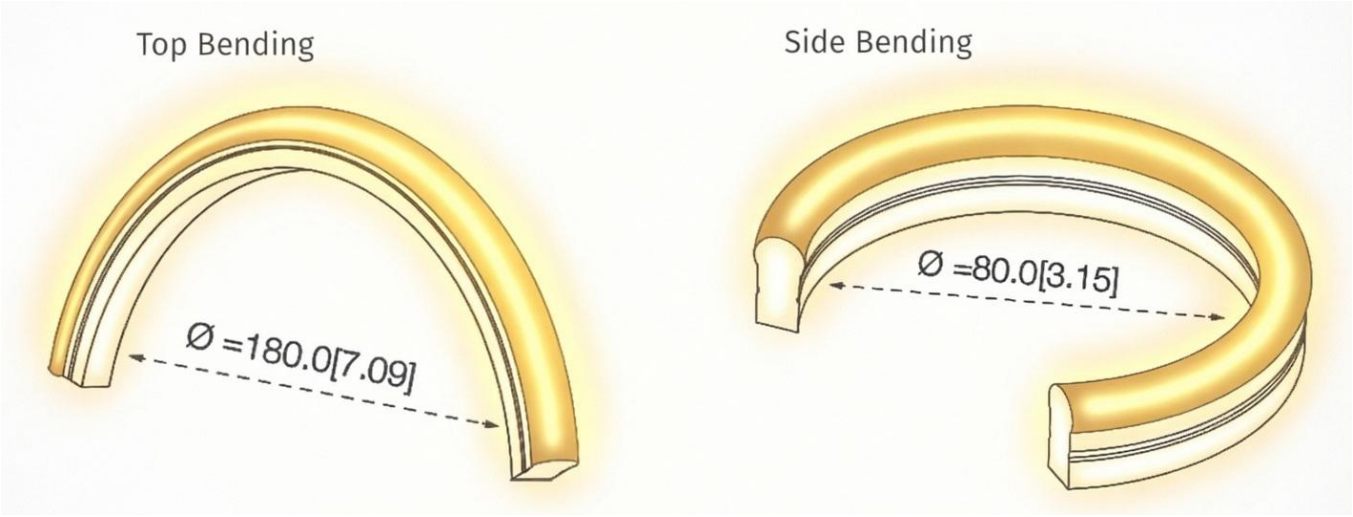
Features

1. Fully diffused, dotless light
2. Visible cutting marks at the PCB for accurate length of the light strip
3. IP65 for wet locations and UV stabilized for outdoor
4. Durable PVC jacket, resistant to impact, dust and UV.
5. Top-bending and side-bending options with multiple output levels
6. Available in static white, and Red/Green/Blue and RGB Dynamic Color Changing



Specifications

Input Voltage	AC220V AC110V DC24V DC12V DC5V		
Rated Power	6W/m 10W/m 12W/m 14.6W/m	60 LEDs/m 120 LEDs/m 144 LEDs/m 160 LEDs/m	
Cut Points	100cm		
Light Colors	Static White	Colors	Dynamic
	2300K Warm White 2700K Warm White 3000K Neutral White 4000K Day White 5000K Cold White 6500K Cold White	Red Green Blue Amber Glacier Blue	RGB RGBW
Lumens Efficacy	Up to 90 lumens / w		
Dimensions (Lighting Width x Height)	Side Bending	Top Bending	
	6x12mm 8x16mm 10x20mm	10x10mm 12x16mm 16x16mm 20x20mm	
Environment	Outdoor / Wet Location (IP65)		

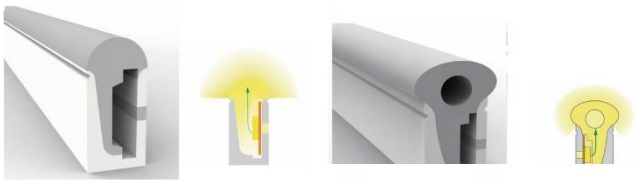


Ordering Code

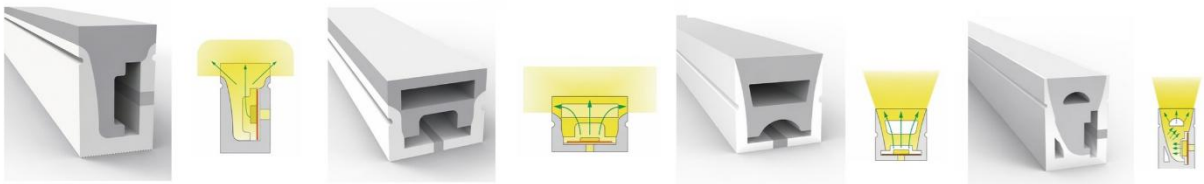
	Voltage	Bend Style	Section Dimensions	Lights Color	
Neon					
	AC 220V AC 110V AC 100V DC24V DC12V DC5V	Top Bending (TB) Side Bending (SB)	6x12mm 8x16mm 10x20mm	23(2300K) 27(2700K) 30(3000K) 35(3500K) 50(5000K) 65(6500K)	Red Green Blue Ice Blue Amber RGBW Dynamic

Strip Profiles Options

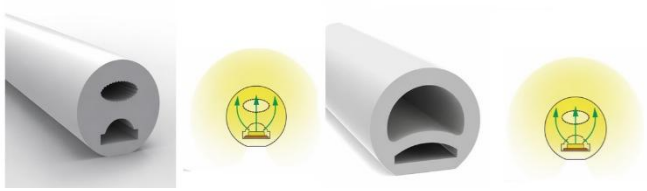
Dome



Flat



Tube



Package

Supplied in 100-meter spools. Each spool is individually packed in a carton measuring 310 × 310 × 250 mm (L × W × H), with a gross weight of 12 kg.

Applications

1. Border and Contour Lighting for Indoor and Outdoor Use
2. Decorative Lighting and Architectural Outlines
3. Light Engine for Furniture and Refrigeration
4. Horizontal Guide and Signage Lighting
5. Accent or Cove Lighting for Displays

Solderless Connection Guide

1. Line up the sharp prongs of the power connector with the SMD Neon Strip light wires

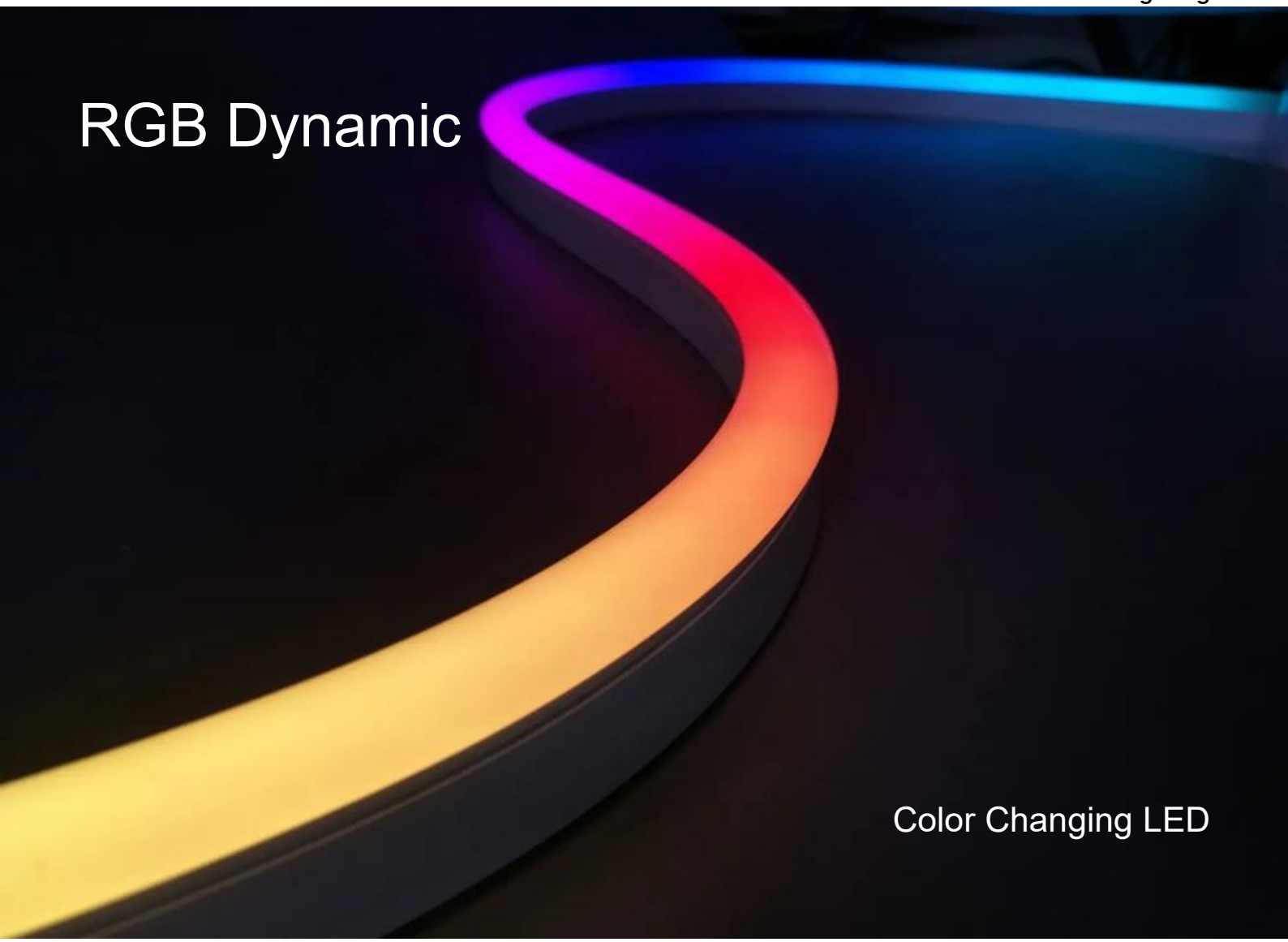
Always insert sharp pins into strip light and rounded pins into accessories.

2. Gently insert power connector into the end of the Neon Strip light

3. Insert rounded prongs of power connector into the AC Power Driver Cord

4. Outdoor Applications require the use of a weatherproofing kit and sealant to protect all connections.

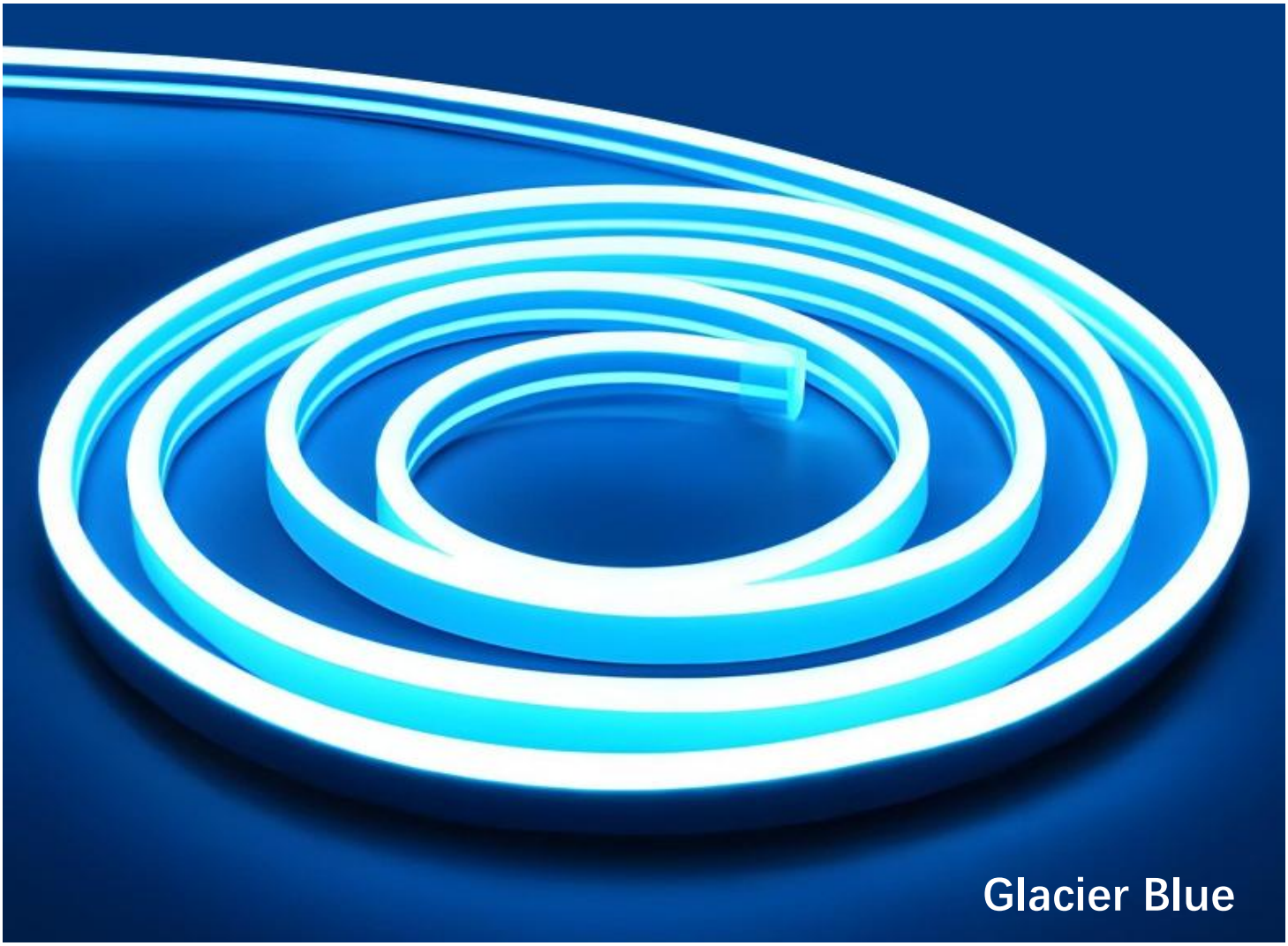
5. Attach an end cap to the end of SMD Neon Strip light run



Never Attempt to cut or install accessories while AC220V/120V/100V SMD LED Neon Strip lights are plugged in to a power source

Note: AC 220V/120V/100V SMD LED Neon Strip Lights are polarized. If they do not light up when you first plug them in, simply unplug the power cord and reinstall connection 180˚ from the original configuration, or inser the power connector int the opposite end of the repe light.

Warning: The SMD LED Neon Strip Lights produce excessive heat operating while spooled. Fully unspool LED lights before operation. Failure to do so may result in damage to the strip light and or property.



Safety And Disclosures

- Installation must be in accordance with local and national electrical code regulations.
- To ensure safety and correct installation, our strips are intended to be installed by a qualified, licensed electrician.
- Do not install in environment where excessive heat may exist.
- LED strip lights must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
- Do not install indoor LED tape light products in outdoor / wet location environments.
- Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
- We reserve the right to modify and improve the design of our fixtures without prior notice. Although we try our best to order the same colors every time, due to changes in technology and phosphors over time, we cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.