

INDUSTRIAL PRODUCT DATASHEET

# Double Ended COB LED Strip - White(6500K) 300mm(5PCS)

Double Ended COB LED Strip - White(6500K) 300mm(5PCS): 1mm flexible filament with 360° glow and included DIY connection kit.

SKU

100074765

UPDATED

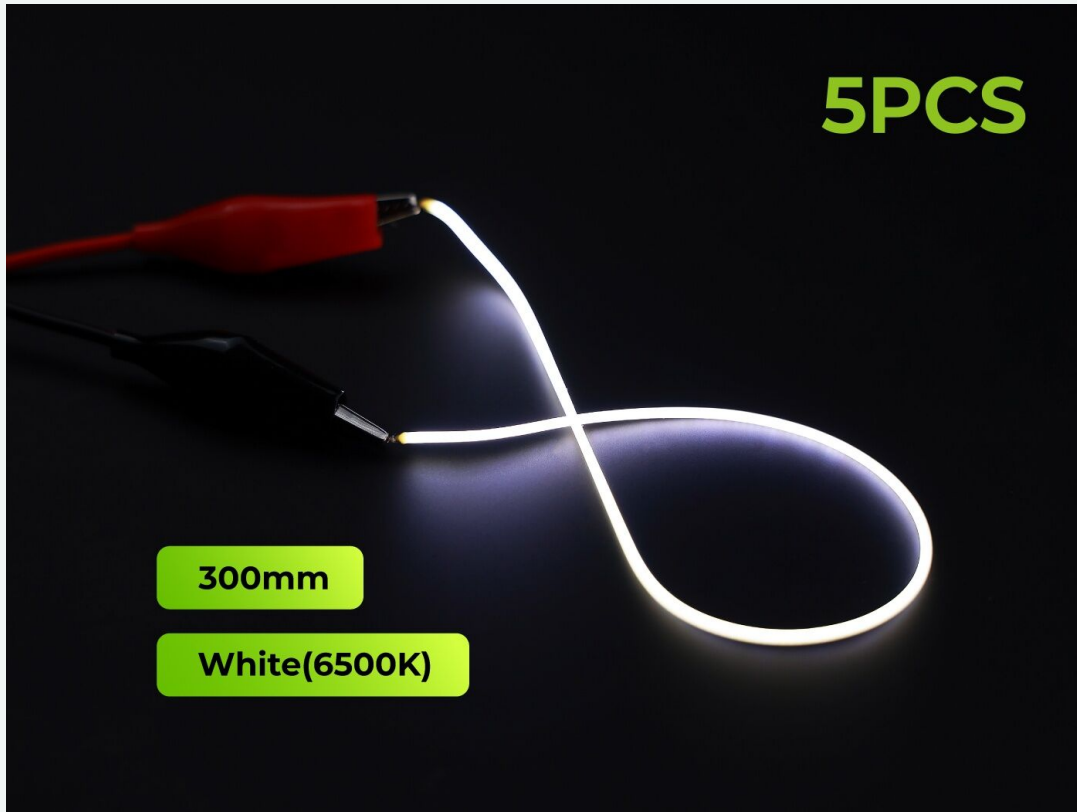
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PRICE

\$8.50(Excl. VAT)



# Overview

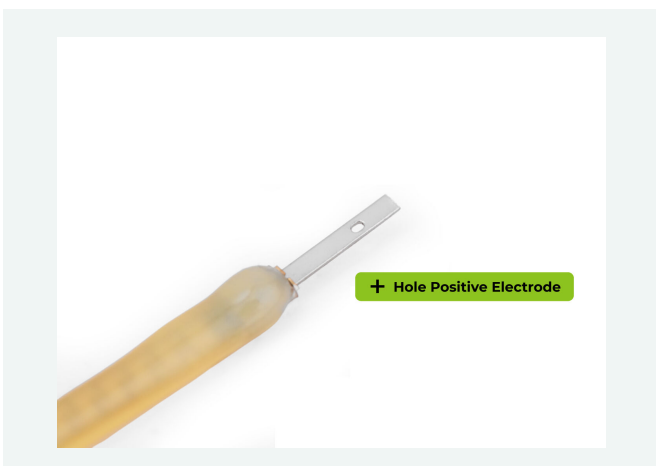
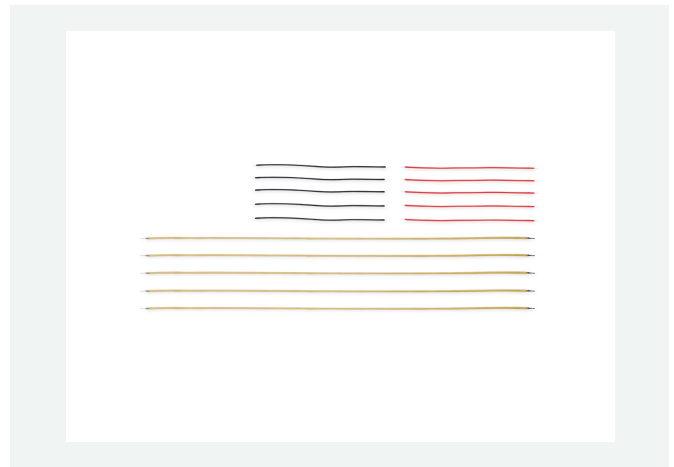
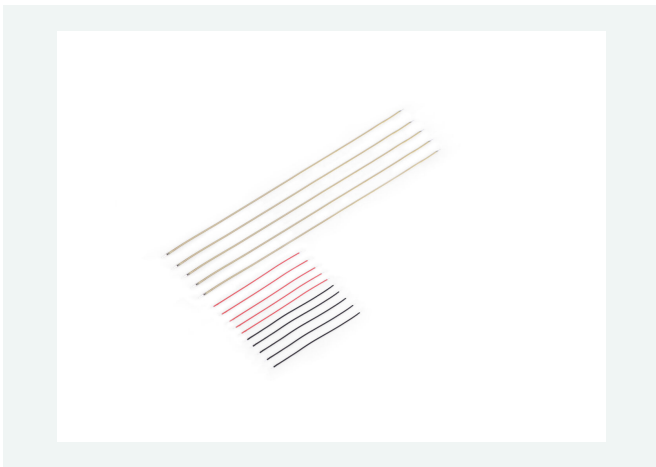


The Double Ended COB LED Strip - White(6500K) 300mm(5PCS) is a 1mm ultra-flexible filament providing 360° cool white light with CRI >80, featuring double-ended conductive pads for uniform brightness and flexible mounting. Operating at 3V 300mA and optimized for the COB LED Driver Board for Seeed Studio XIAO, it includes a DIY connection kit with 5 strips and 10 pre-tinned wires, suitable for 3D print lighting, holiday decor, neon signs, and model detailing.

# Key Features

- **1mm Ultra-Flexible & 360° Cool White:** Crafted from Flexible FPC and Silicone Phosphor, this 1mm filament delivers a 360° full-angle glow. It emits a crisp 6500K Cool White light with CRI >80, providing accurate color rendering and a continuous linear aesthetic—far superior to traditional rigid LEDs.
- **300mm Double-Ended Design:** Featuring conductive pads on both ends, this design ensures consistent voltage distribution for uniform brightness across the entire 300mm length. It supports versatile mounting configurations like suspension or tension mounting, making it ideal for creating large-scale contours or "liquid light" effects.
- **3V 300mA Spec & Driver Compatibility:** Operating at 3V with a high current draw (~300mA), this extra-long filament delivers intense brightness. It is specifically optimized for the High-Power Ports of the **COB LED Driver Board for Seeed Studio XIAO**, ensuring stable and sufficient drive current for high-load applications.
- **DIY Connection Kit Included:** Prepared for medium-to-large projects, the pack includes **5 pieces of 300mm strips** and **10 pre-tinned red/black electronic wires (10cm)**. Designed for makers, users can solder the connections themselves, enjoying the flexibility to build custom light paths from scratch.

# Product Gallery



## Specification

| Parameter                  | Description                      |
|----------------------------|----------------------------------|
| Length                     | ~300 mm                          |
| Width                      | ~1.0 mm                          |
| Color Temperature          | 6500K (Cool White)               |
| Luminous Flux (Brightness) | >50 lm (@ 300mA)                 |
| Operating Voltage          | 3V (Current Limiting Required)   |
| Operating Current          | <300mA (Recommended)             |
| Power Consumption          | ~0.8W                            |
| Beam Angle                 | 360°                             |
| CRI                        | >80                              |
| Material                   | Flexible FPC + Silicone Phosphor |
| Connector Type             | Double Ended                     |
| Operating Temp             | -30°C ~ +55°C                    |

## Applications

- **3D Print Lighting:** Embed inside models for cool glowing effects.
- **Christmas & Holiday Decor:** Add festive glow to tree ornaments, wreaths, or gift boxes.
- **Mini Neon Signs:** Bend into shapes for unique desktop decor.
- **Model Detailing:** Upgrade robots and figures with precision lighting details.

## Part List

|                                                 |    |
|-------------------------------------------------|----|
| Double Ended COB LED Strip - White(6500K) 300mm | x5 |
| 100mm Red Connecting Wire                       | x5 |
| 100mm Black Connecting Wire                     | x5 |

## Compliance & Logistics

|          |            |
|----------|------------|
| HSCODE   | 9405429000 |
| USHSCODE | 8541410000 |
| UPC      |            |
| EUHSCODE | 9405413910 |
| COO      | CHINA      |

# Resource Links

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- <https://www.seeedstudio.com/Double-Ended-COB-LED-Strip-White-6500K-300mm-5PCS-p-6594.html>

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