

seed studio

INDUSTRIAL PRODUCT DATASHEET

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

This pack contains 5 pieces of 1mm Ultra-Thin Single-Ended COB Filaments (300mm).

SKU

100061492

UPDATED

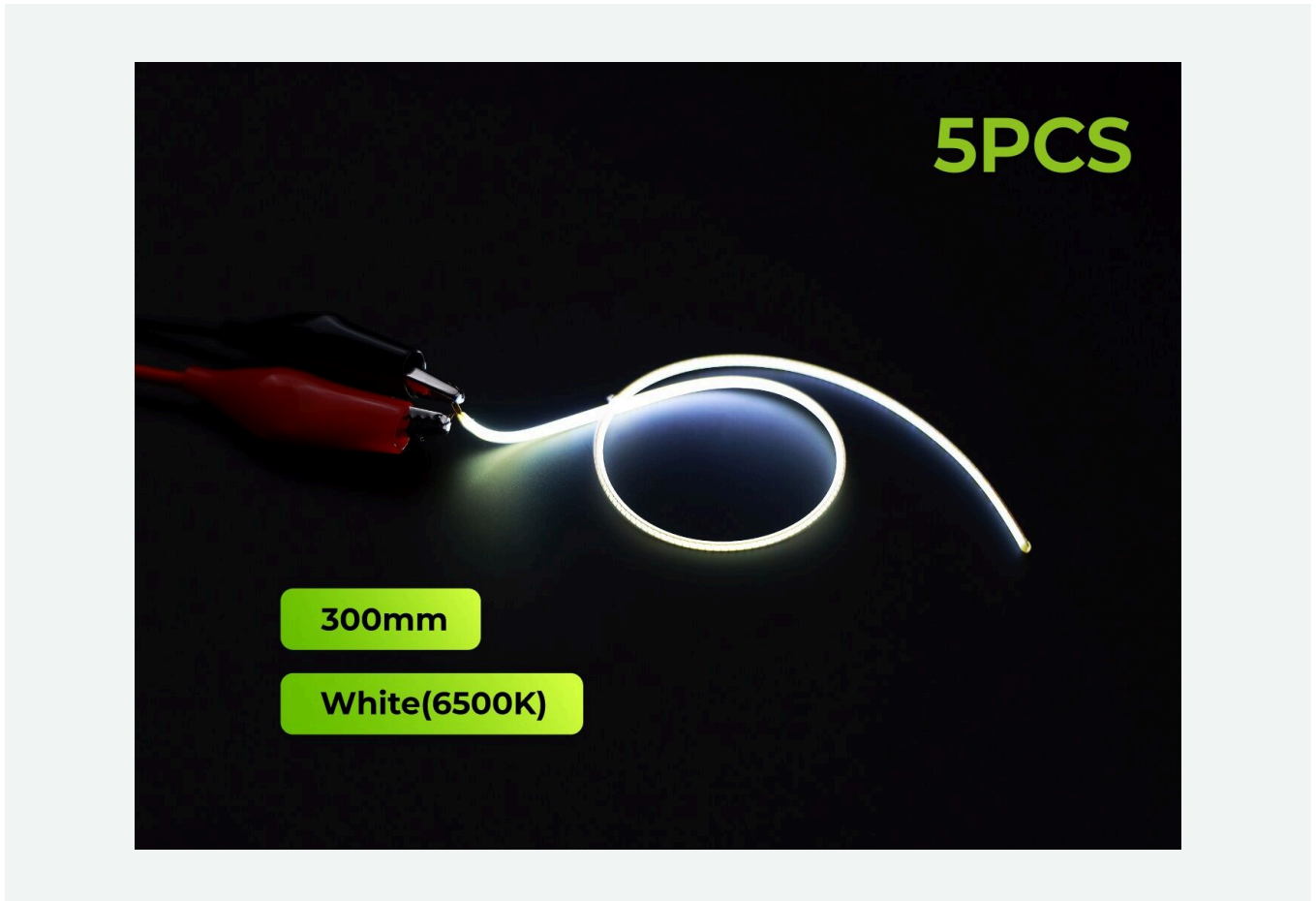
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PRICE

\$8.50(Excl. VAT)



Overview



This pack contains 5 pieces of 1mm Ultra-Thin Single-Ended COB Filaments (300mm). Unique single-ended power design maintains a clean and minimalist tail end. Ultra-flexible and fully cuttable, these strips integrate seamlessly into tight, irregular spaces—delivering pure light exactly where you need it. Each strip comes with DIY connecting wires (Total 10 wires).

Key Features

01 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 continuous linear aesthetic —far superior to traditional rigid LEDs.

02 Single-Ended Power & Cut-to-Fit Design

Innovative single-ended wiring (Anode and Cathode on the same side) eliminates the need for wiring at the tail end, drastically simplifying installation in tight spaces. If 300mm is too long, simply trim it from the non-wired end to fit various scale models, wearables, or creative decoration projects perfectly.

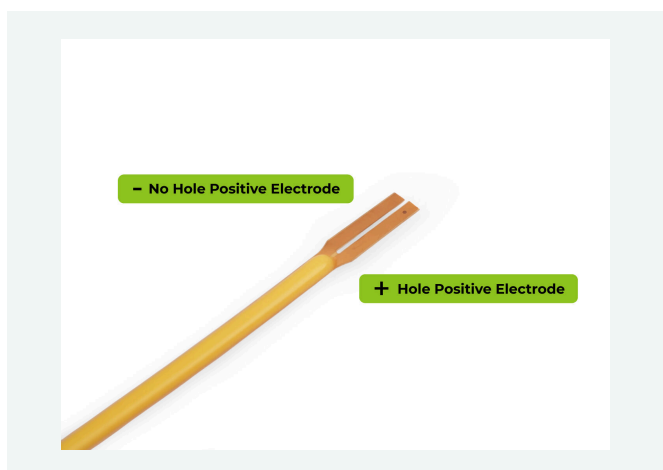
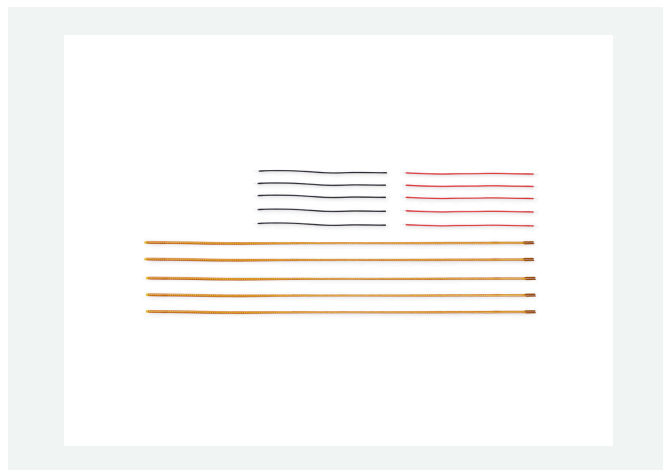
03 3V 100mA Spec & PWM Compatibility

Rated at 3V 100mA, this filament provides high brightness with efficient power usage. It matches perfectly with the COB LED Driver Board for Seeed Studio XIAO and supports PWM control, allowing for safe and smooth dynamic effects like breathing or fading.

04 DIY Connection Kit Included

The pack includes pre-tinned red and 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	~300mm
Width	~1.0 mm
Cuttability	Yes (Cut from the tail end)
Color Temperature	6500K (Cool White)
Luminous Flux (Brightness)	>22 lm (@ 100mA)
Operating Voltage	2.8V-3.2V (Current Limiting Required)
Operating Current	<100mA (Recommended)
Power Consumption	~0.3W
Beam Angle	360°
CRI	>80
Material	Flexible FPC + Silicone Phosphor
Connector Type	Single Ended
Operating Temp	-30°C ~ +55°C

Applications

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

Part List

Single Ended COB LED Strip - White (6500K) 300mm	×5
100mm Red Connecting Wire	×5
100mm Black Connecting Wire	×5

Compliance & Logistics

HSCODE	9405429000
USHSCODE	8541410000
EUHSCODE	9405413910
COO	CHINA

Logistics	Value
ECCN	EAR99
HSCODE	9405429000
USHSCODE	8541410000
EUHSCODE	9405413910
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Single-Ended-COB-LED-Strip-White-6500K-300mm-5PCS-p-6591.html>

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