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# Product Specification

TLN-COB06-XXXX



## Features

Chip-on-board design, with more chips on PCB, the lighting effects are more evenly.

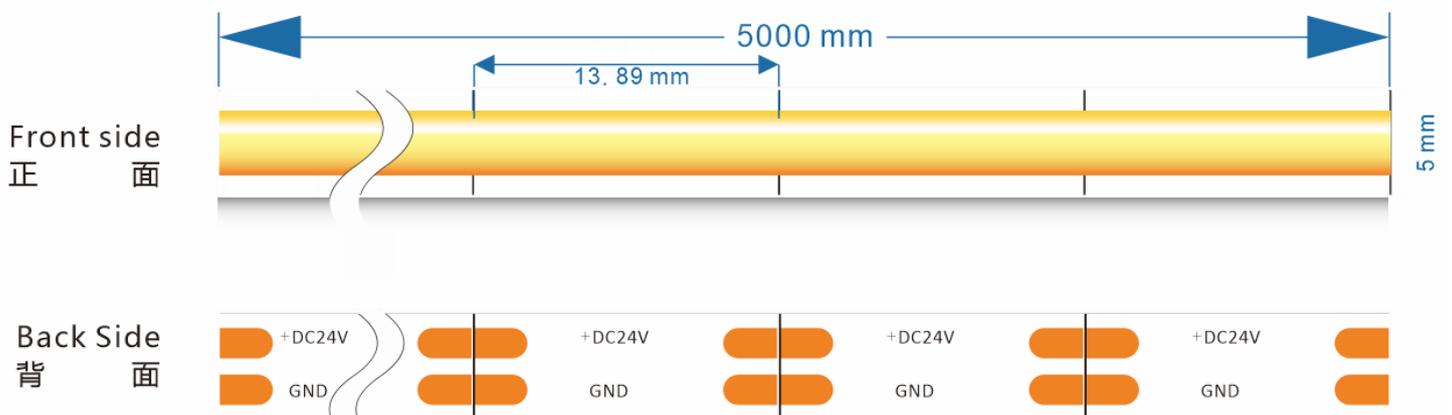
5mm ultra slim PCB, cut length is only 13.89mm, better for more applications in furniture lighting or display lighting.

Double layer 2oz PCB, for better flexibility, heat dissipation and voltage drop.

## Picture



## Dimensions



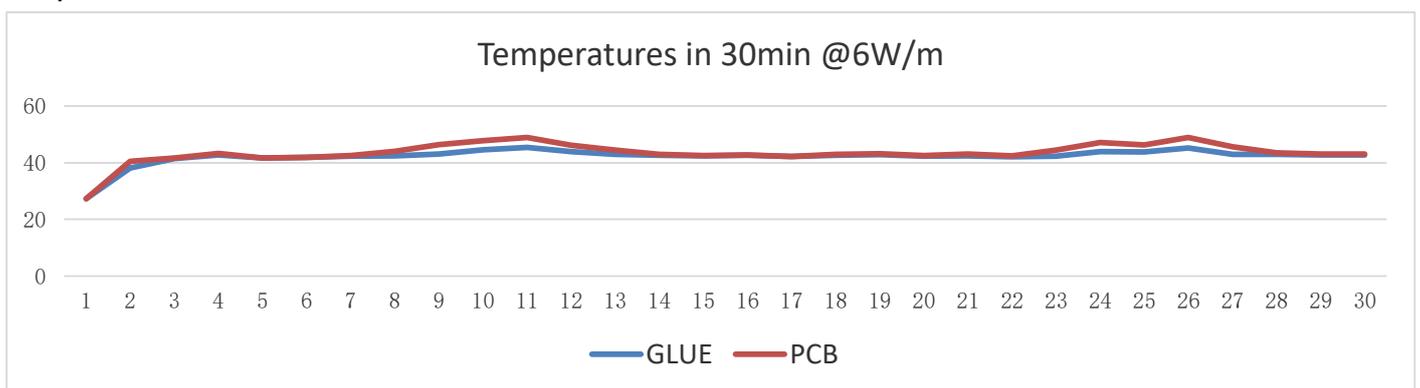
# Specifications

Item NO.	TLN-COB06-XXXX, where XXXX = 2400,2700,3000,4000 or customized on request					
Input Voltage	24Vdc					
PCB	5mm, 2oz					
Power	6.0W/M					
Ra	Ra 80+			Ra 90+		
CCT	2700K	3000K	4000-6500K	2700K	3000K	4000-6500K
Brightness	510Lm/m	540Lm/m	570Lm/m	420Lm/m	450Lm/m	480Lm/m
Efficiency	85Lm/w	90Lm/W	95Lm/W	70Lm/W	75Lm/W	80Lm/W
Length	5 meters					
Size	Width: 5mm; Height: 2mm					
Cutting Length	13.89mm					
Lifespan	35,000 H					
Working Temperature	-20°C - 40°C					
Storage Temperature	-20°C - 45°C					
Warranty	5 years					

\* The above measurements of watts, brightness and efficiency allowance tolerance  $\pm 10\%$ .

\* The above measurements are based on IP20.

## Temp. Curve



\* The above curve based on 30 minutes testing data. The Temp. changes after powering within 30 minutes.

\* The x-axis indicates the minutes from 1 minutes to 30 minutes.

\* The y-axis indicates the changes of temperatures in Glue, PCB under ambient TC at 25°C

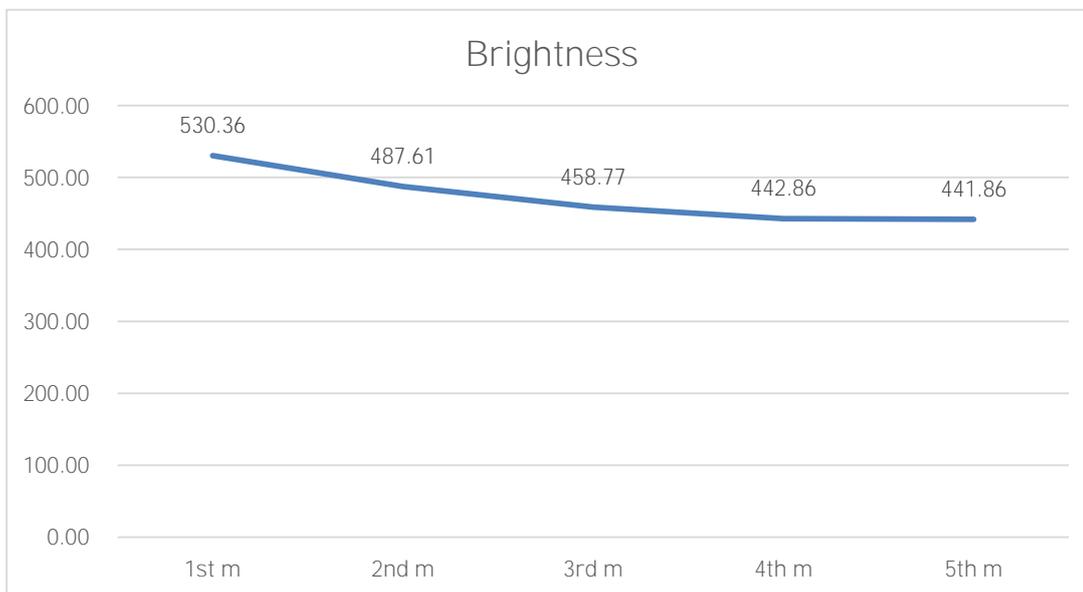
## Brightness Curve

Length	1st m	2nd m	3rd m	4th m	5th m
Volage	23.43	23	22.71	22.55	22.54
Lumen	530.36	487.61	458.77	442.86	441.86
Dropped	0.00%	-8.06%	-13.50%	-16.50%	-16.69%

\* The above chart shows the voltage drop on each meter, shows the brightness difference on each meter. The above test are based on 5m.

\* The following reference curve shows the brightness on each meter, the total length based on 5m.

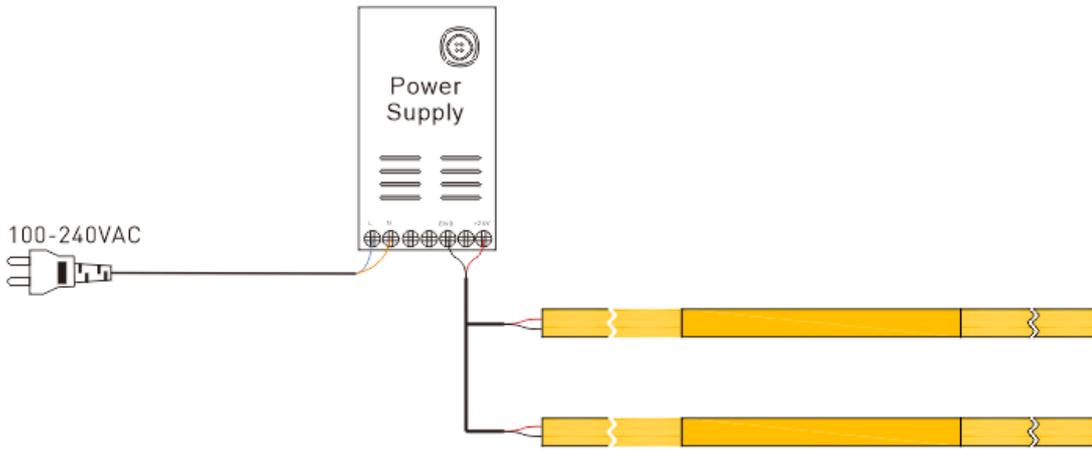
\* Normally, we recommend brightness drop within 30%, so the recommend connecting length is 5m.



## Waterproof Ways

Waterproof Ways	IP Rating	Details
	IP65	Injected with heat shrink tube.

## Installation Ways



\* The max running length is 5 meters, for over 5 meters please connect in parallel.

\* Make sure of the total watts of COB Strip lights is less than 80% of the power supply's max output.

\* Match the polarities according to the mark ('+' and '-') in the PCB while connecting.

## Applications

\* furniture lighting or display lighting.

## Package

①) 5 meters per roll.

②) Each roll packed with anti-static bags, and label on it.

③) 25 rolls into a inner box(30cm x 24cm x 26cm).

④-⑤) 2 inner boxes into a large carton (50cm\*30cm\*29c

