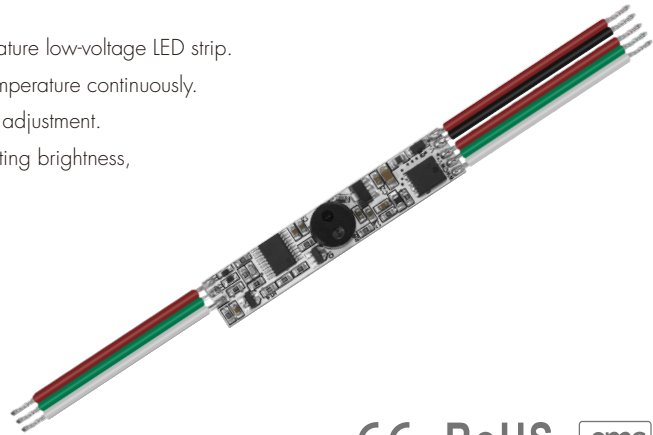


# Hand Swipe Induction CCT Dimmer

- Hand swipe induction CCT dimmer, connected directly to the color temperature low-voltage LED strip.
- When hold hand short for on/off and long for adjust brightness / color temperature continuously.  
When hand swipe fastly, switch between brightness and color temperature adjustment.
- Connect with external two push switches, one is used for on/off and adjusting brightness, the other is used for adjusting color temperature.
- Max 3A output current, max output power 72W@24V.
- Generally installed in the aluminum lamp strip housing.
- 3M paste in the bottom of the PCBA make easy installation and security.
- Low cost and high stability.
- Widely used in table lamps, bedroom lamps, wardrobe lights, etc.

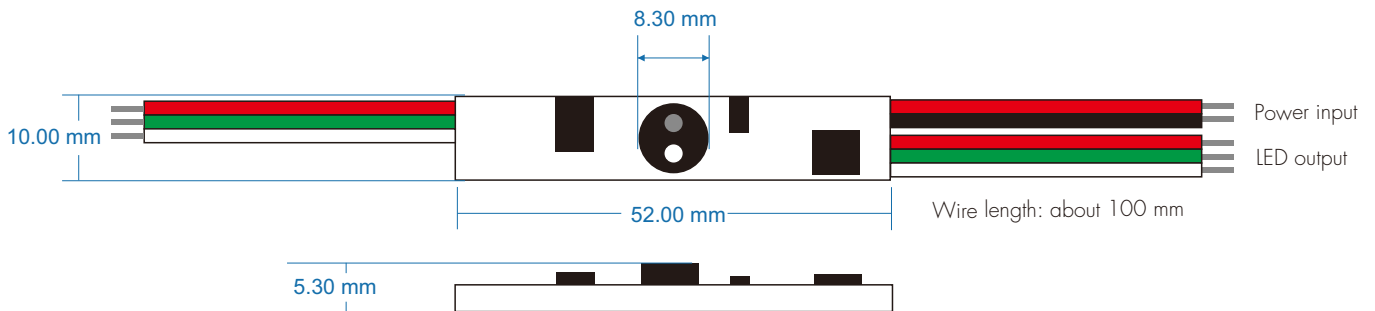


CE RoHS emc LVD

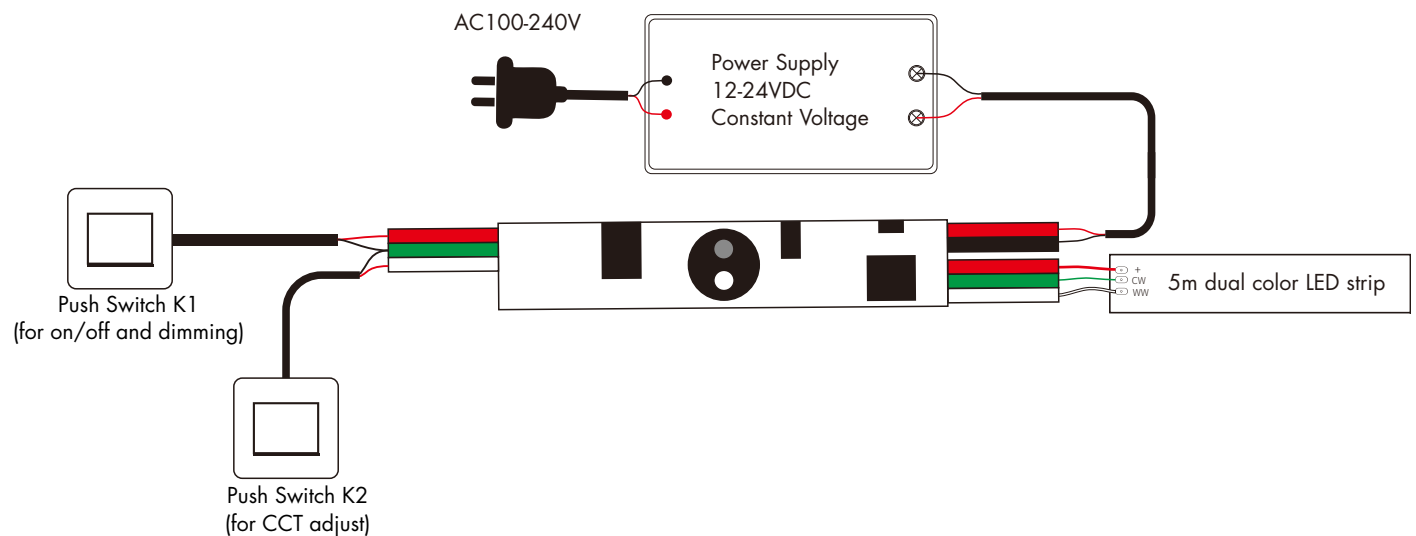
## Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	12-24VDC	Input signal	Hand Swipe / Push DIM	EMC standard (EMC)	EN IEC 55015:2019+A11:2020 EN 61547:2009 EN IEC 61000-3-2:2019+A11:2021 EN 61000-3-3:2013+A11:2019
Output voltage	12-24VDC	Dimming gray scale	4096 levels	Safety standard(LVD)	EN 61347-1:2015+A1:2021 EN 61347-2-13:2014+A1:2017
Output power	Max. 36W@12V Max. 72W@24V	Dimming range	0-100%	Certification	CE,EMC,LVD
Sensor data		Warranty and Protection		Package	
Detective distance(cm)	≤6	Warranty	5 years	Size	L130 x W90 x H20mm
Detective angle (°C)	15-30	Protection	Reverse Polarity	Gross weight	0.012kg
Environment					
Operation temperature	Ta: -20°C ~ +55°C				

## Dimension

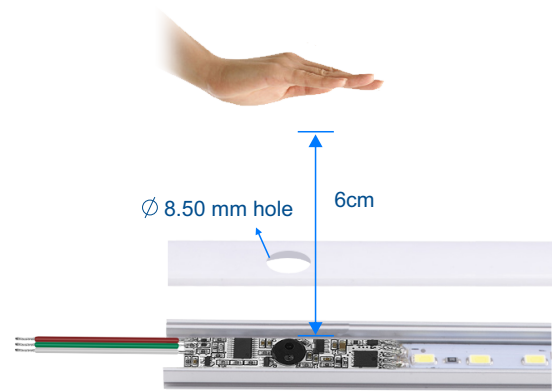


## Wiring Diagram



## Installation attention

- Cut a hole in size  $\varnothing 8.5\text{mm}$  on the PC cover.
- Put hand swipe induction CCT dimmer switch into profiles when power is off, put the sensor head to the hole.
- Pay attention to power input and LED output polarity.



## Hand swipe control

- Hand swipe (<0.5s): Switch between brightness and color temperature adjustment.
- Hold hand (<1s): Turn on/off the light.
- Hold hand (>1s): Adjust brightness or color temperature continuously, with every other long hold hand, the brightness or color temperature level goes to the opposite direction.

## Push-DIM control

### Push switch K1 :

- Short press: Turn on / off the light gradually.
- Long press(1-6s): Adjust brightness continuously, with every other long press, the light level goes to the opposite direction.

### Push switch K2 :

- Short press: Change 3 levels color temperature (WW, NW and CW) in sequence.
- Long press(1-6s): Adjust color temperature continuously, with every other long press, the color temperature level goes to the opposite direction.

### Notice:

1. NW = 50% WW + 50% CW
2. For color temperature adjustment, if the current brightness is lower than 30%, the brightness will auto restore 30% to avoid light flash.

## Dimming curve

