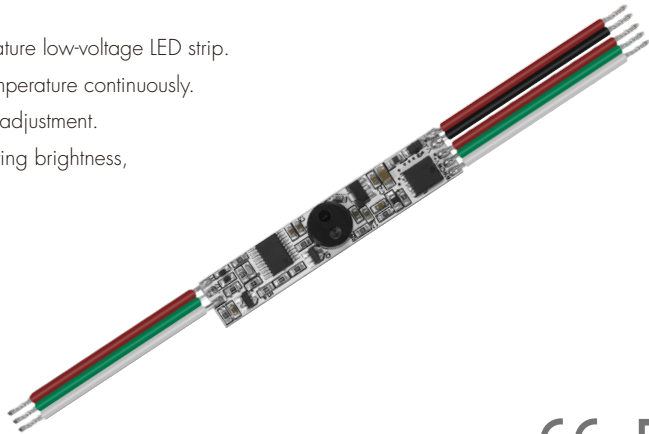


Hand Swipe Induction CCT Dimmer

- 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.

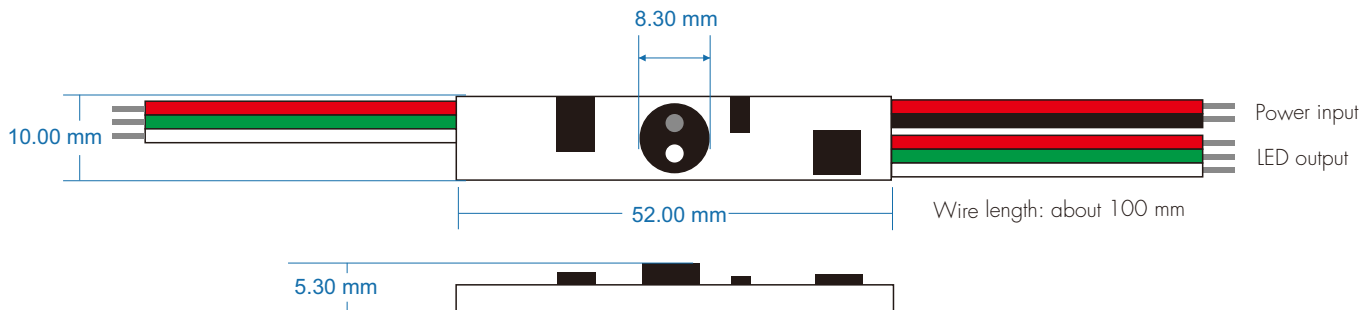


CE RoHS

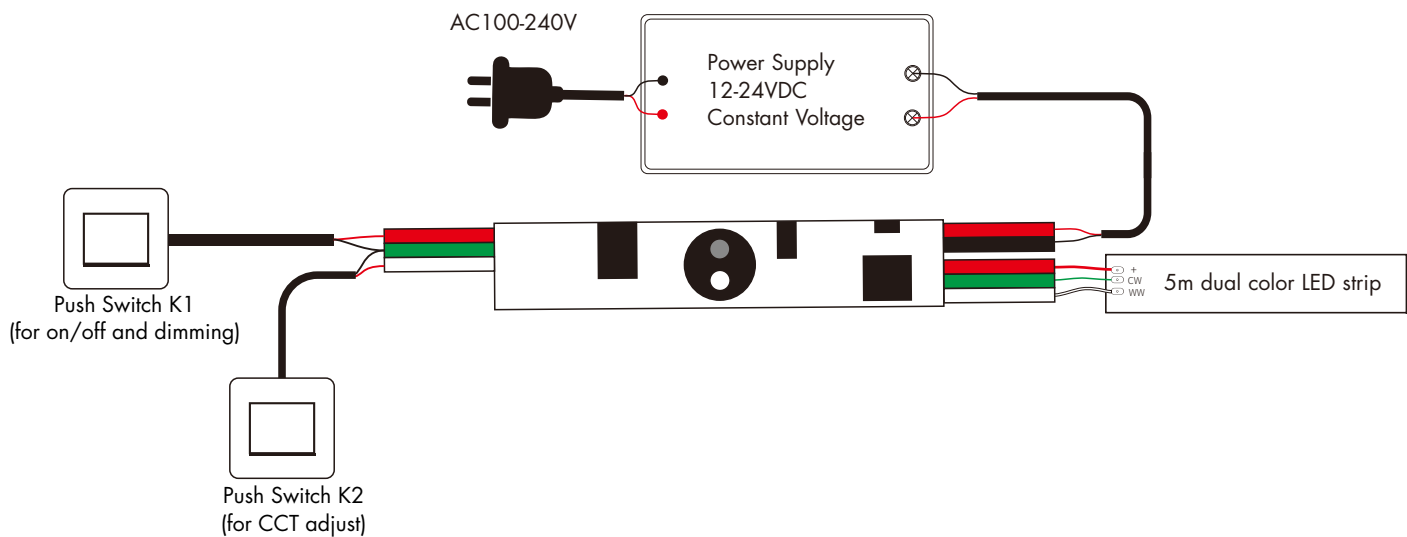
Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	12-24VDC	Input signal	Hand Swipe / Push DIM	EMC standard	EN IEC 55015/EN IEC 61547
Output voltage	12-24VDC	Dimming gray scale	4096 levels	Safety standard	EN 61347-1/-2EN 62493
Output power	Max. 36W@12V Max. 72W@24V	Dimming range	0-100%	Certification	CE RoHs
Sensor data		Dimming curve		Package	
Detective distance(cm)	≤6	PWM Frequency	2000Hz (default)	Size	L130 x W90 x H20mm
Detective angle (°C)	15-30	Warranty and Protection		Gross weight	0.012kg
Environment		Warranty	5 years		
Operation temperature	Ta: -20℃ ~ +55℃	Protection	Reverse Polarity		

Dimension

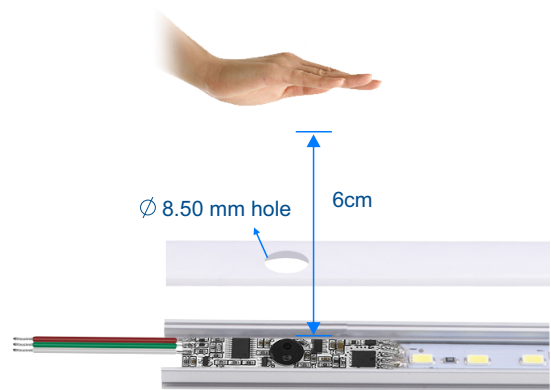


Wiring Diagram



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 ($<0.5\text{s}$): Switch between brightness and color temperature adjustment.
- Hold hand ($<1\text{s}$): Turn on/off the light.
- Hold hand ($>1\text{s}$): 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 ($1-6\text{s}$): 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 ($1-6\text{s}$): Adjust color temperature continuously, with every other long press, the color temperature level goes to the opposite direction.

Notice:

1. $\text{NW} = 50\% \text{WW} + 50\% \text{CW}$
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

