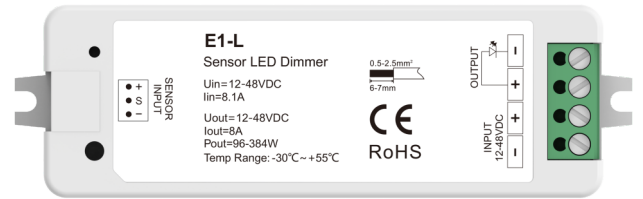


## Sensor LED Dimmer

- Input connect with a variety of induction sensor head, output connected directly to the low voltage LED strip.
- Max 8A output current, max output power 384W@48V.
- PIR motion sensor: when people enter the sensitive field, the light turn on; when people exit the sensitive field, the light turn off after 30 seconds.
- Touch sensor: short touch to turn on or turn off light; long touch to dimming up or down.
- Door sensor: when the door open, or no obstacle ahead, the light turn on gradually; when the door close, or obstacle ahead, the light turn off gradually.
- Hand sweep sensor: when hand sweep, the light turn on gradually; when hand sweep again, the light turn off gradually.
- Microwave motion detector: turn on the light upon detection of motion, and turn off after a pre-selected hold time when there is no movement, without dimming, with dimming and two-step dimming function respectively.

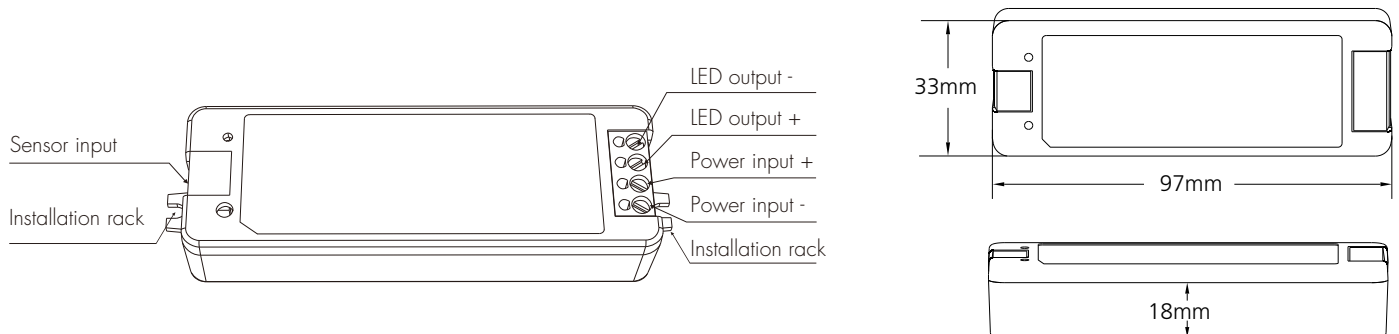


CE RoHS  LVD

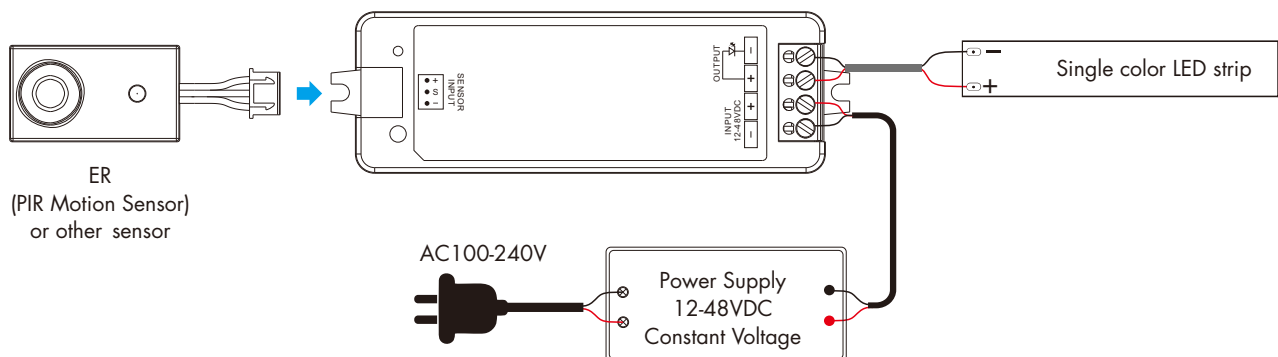
### Technical Parameters

Input and Output		Safety and EMC		Environment	
Input voltage	12-48VDC	EMC standard (EMC)	EN IEC 55015:2019+A11:2020 EN 61547:2009 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019	Operation temperature	Ta: -30 °C ~ +55 °C
Input current	8.1A	Safety standard (LVD)	EN 61347-1:2015+A1:2021 EN 61347-2-13:2014+A1:2017	Case temperature (Max.)	Tc: +85 °C
Output voltage	12-48VDC	Certification	CE, EMC, LVD	IP rating	IP20
Output current	8A	<b>Warranty</b>	Warranty	5 years	
Output power	96W/192W/288W/384W (12V/24V/36V/48V)			<b>Package</b>	
Output type	Constant voltage			Size	L1 14 x W38 x H26mm
				Gross weight	0.052kg


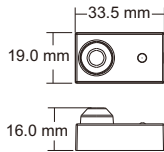

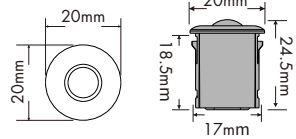

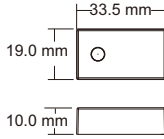

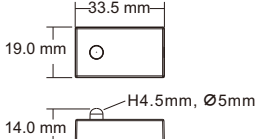

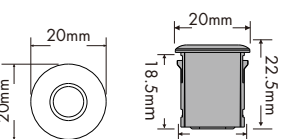

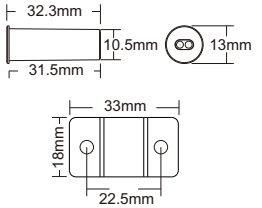

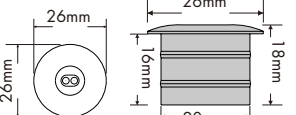

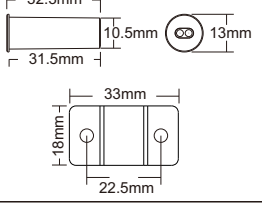

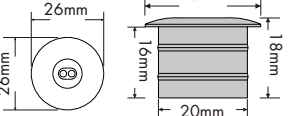

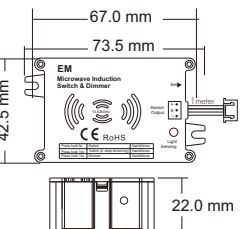
### Mechanical Structures and Installations



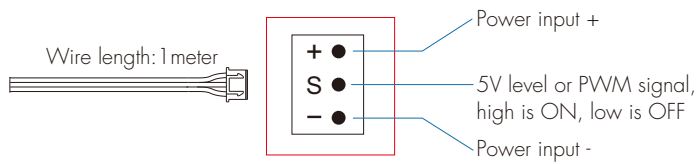
### Wiring Diagram



Available sensor head

Model and Product name	Features	Product picture	Size	Sensor data
ER PIR Motion Sensor	When people enter the sensitive field, the light turn on; when these exit the sensitive field, the light turn off after 30 seconds.			Sensitive field: $\leq 3m$ Sensitivity angle: 120
ER-A PIR Motion Sensor				Sensitive field: $\leq 3-4m$ Sensitivity angle: 120
EW Wood Touch Sensor	The medium can be wood, glass or plastic. Short touch the sensing area to turn on or turn off light; long touch the sensing area to dimming up or down.			Dimming range: 0-100% PWM Frequency: 2KHz Detective distance: $\leq 5cm$
EC Touch Sensor	Short touch the LED to turn on or turn off light; long touch the LED to dimming up or down.			Dimming range: 0-100% PWM Frequency: 128Hz
EC-A Touch Sensor				Dimming range: 0-100% PWM Frequency: 128Hz
ED(C) Door Sensor	When the door open, or no obstacle ahead, the light turn on gradually; when the door close, or obstacle ahead, the light turn off gradually.			Sensitive field: $\leq 8cm$ Sensitive angle: 15-30
ED-C Door sensing head				Sensitive field: 1-6cm Sensitive angle: 15-25
EB(C) Hand Sweep Sensor	When the door open, or no obstacle ahead, the light turn on gradually; when the door close, or obstacle ahead, the light turn off gradually.			Sensitive field: $\leq 8cm$ Sensitive angle: 15-30
EB-C Hand sweep sensing head				Sensitive field: 1-6cm Sensitive angle: 15-25
EM Microwave motion Sensor	Turns on the light upon detection of motion, and turns off after a pre-selected hold time when there is no movement.			Detection zone: Max.(DxH) 20x15m Detection angle: 150°(wall installation), 360°(ceiling installation) Hold time: 10s/30s/90s/3min 10min/20min/30min

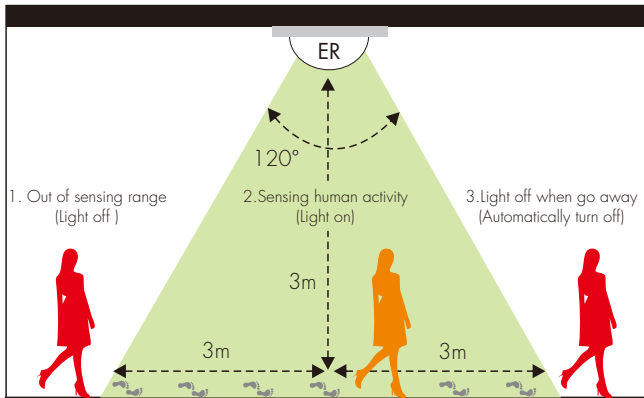
## Sensor wire define



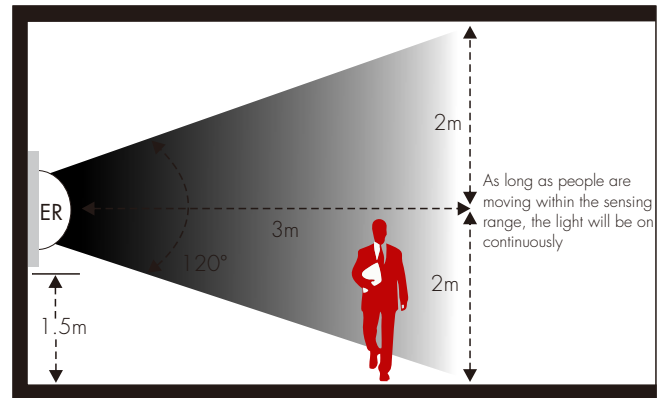
## Induction sensor head installation and application

ER: PIR Motion Sensor

Ceilling mounting pattern

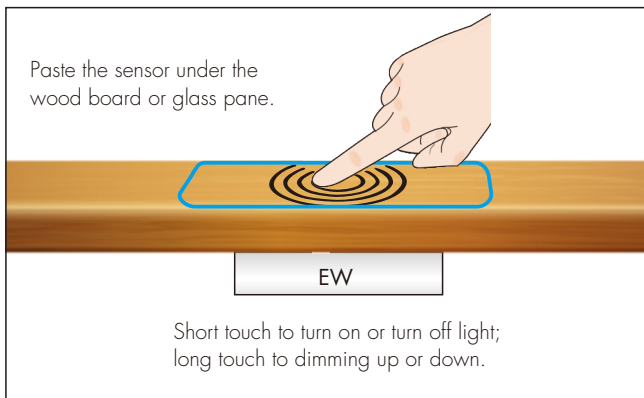


Wall mounting pattern

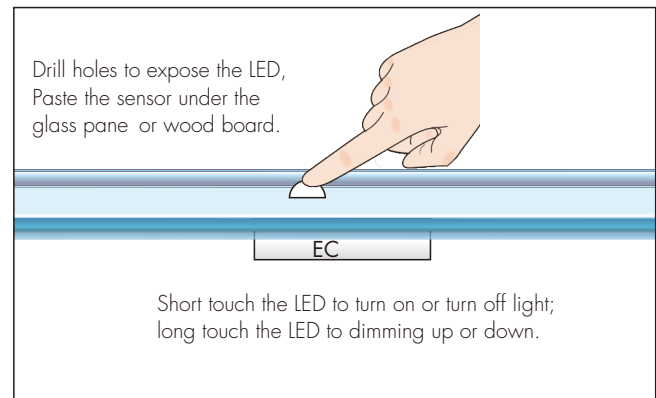


When installing, please pay attention to choosing a proper position and angle, otherwise the sensing distance will be very close or the sensing will be insensitive

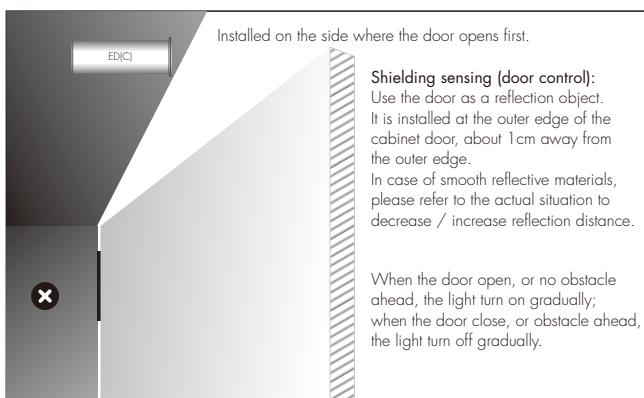
EW: Wood Touch Sensor



EC: Touch Sensor



ED(C): Door Sensor



EB(C): Hand Sweep Sensor

