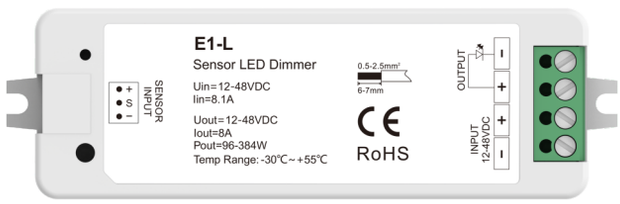
E1-L

Sensor

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 emc LVD

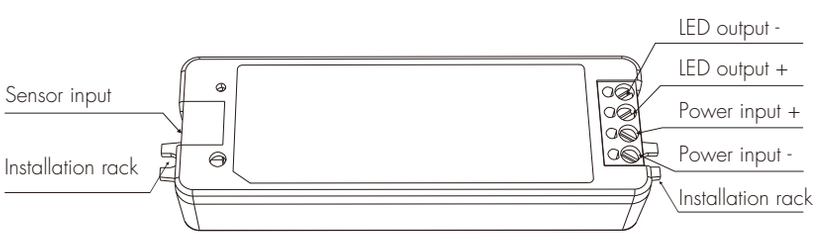
Technical Parameters

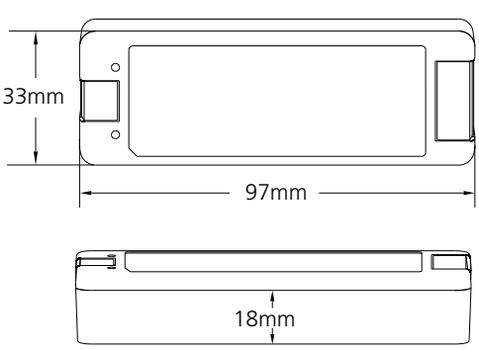
Input and Output	
Input voltage	12-48VDC
Input current	8.1A
Output voltage	12-48VDC
Output current	8A
Output power	96W/192W/288W/384W (12V/24V/36V/48V)
Output type	Constant voltage

Safety and EMC	
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
Safety standard (LVD)	EN 61347-1:2015+A1:2021 EN 61347-2-13:2014+A1:2017
Certification	CE, EMC, LVD
Warranty	
Warranty	5 years

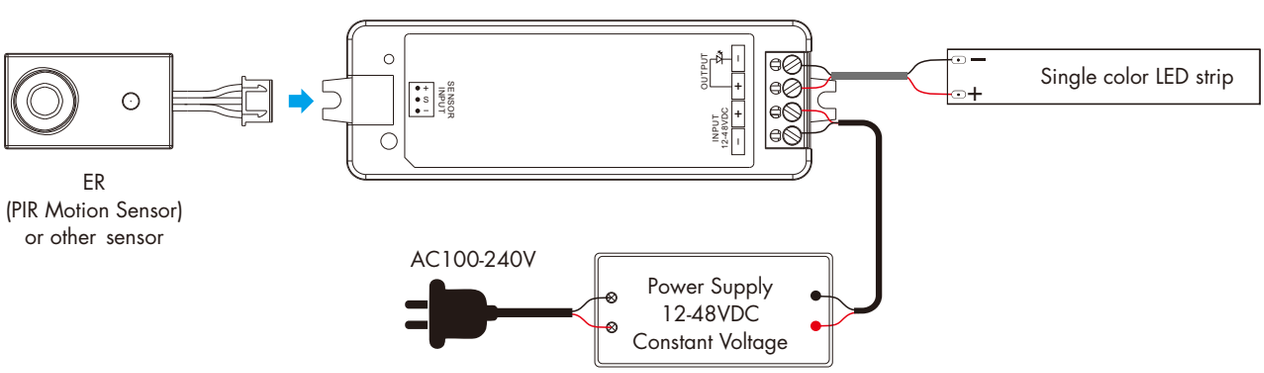
Environment	
Operation temperature	Ta: -30 ℃ ~ +55 ℃
Case temperature (Max.)	Tc: +85 ℃
IP rating	IP20
Package	
Size	L114 x W38 x H26mm
Gross weight	0.052kg

Mechanical Structures and Installations

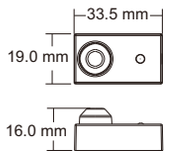
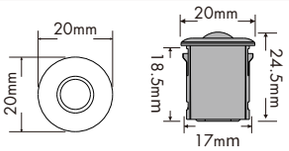
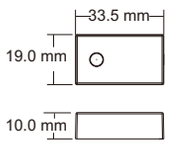
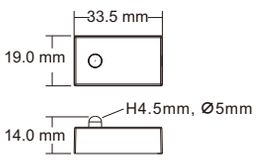
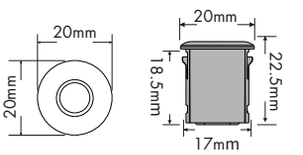
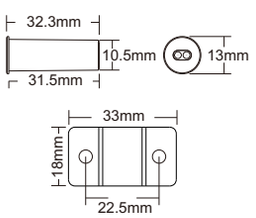
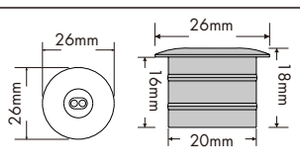
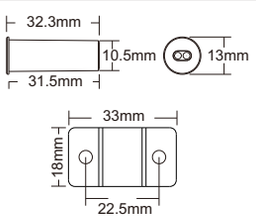
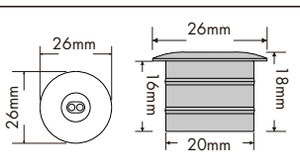
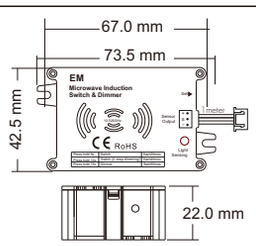




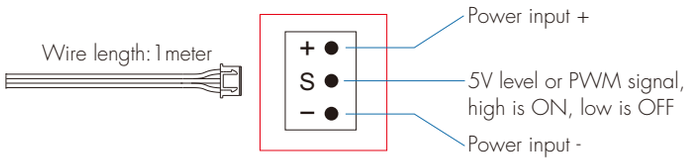
Wiring Diagram



Available sensor head

Model and Product name	Features	Product pictrue	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: ⩽3m Sensitivity angle: 120
ER-A PIR Motion Sensor				Sensitive field: ⩽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: ⩽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: ⩽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: ⩽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-selectedhold time when there is no movement.			Detection zone: Max.(DxH) 20x15m Detection angle: 150°(wall installation), 360°(ceilling installation) Hold time: 10s/30s/90s/3min 10min/20min/30min

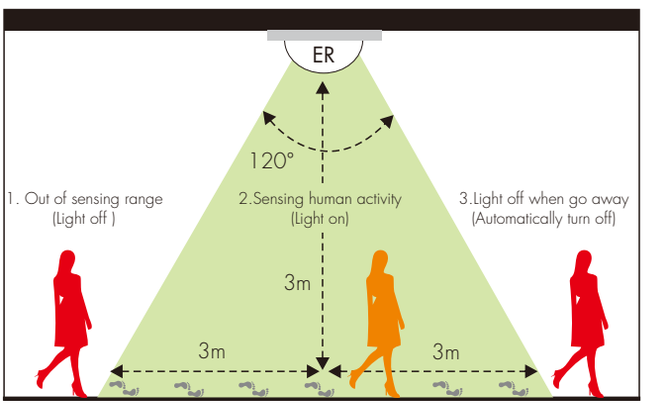
Sensor wire define



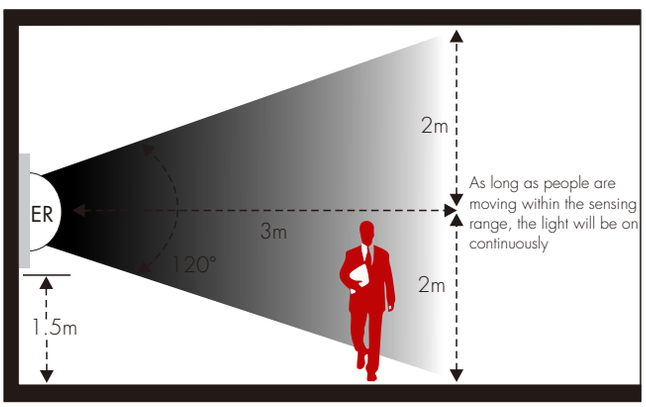
Induction sensor head installation and application

ER: PIR Motion Sensor

Ceilling mounting pattern

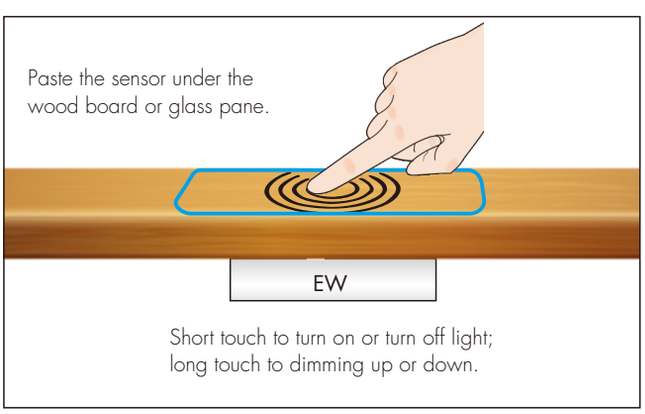


Wall mounting pattern

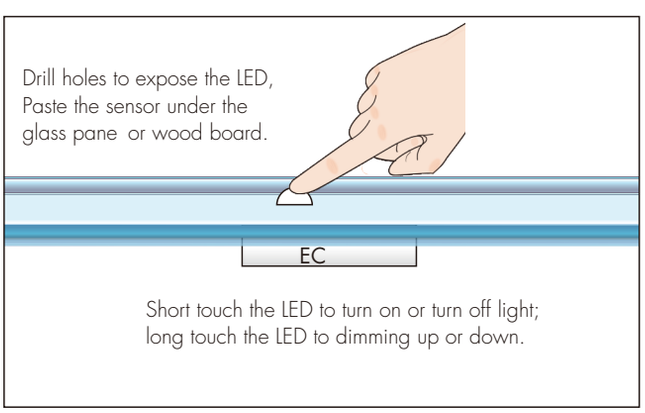


When installing, please pay attention to choosing a proper position and angle, otherwise the sensing distance will be very close or the sensing will be insensitive

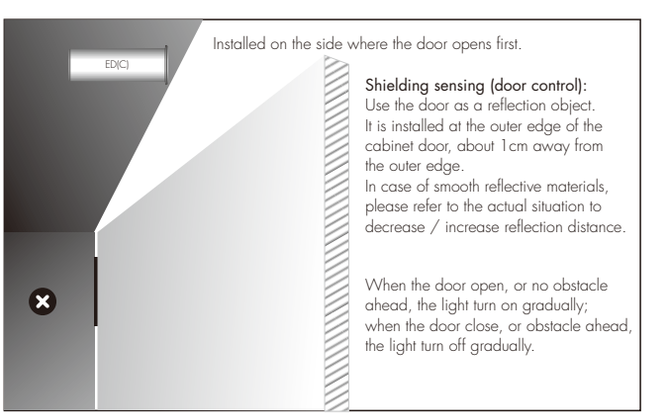
EW: Wood Touch Sensor



EC: Touch Sensor



ED(C): Door Sensor



EB(C): Hand Sweep Sensor

