



Lighting controls / LED dimmer / Intelligent driver

Tel: +86 20 8450 1739/ 8471 4495

Fax: +86 20 23830061

Email: sales@iskydance.com

Website: www.iskydance.com

Add: No.36,Zhongsan,Shiguang Road,Zhongcun
Street,Panyu District,Guangzhou, China



GUANGZHOU SKYDANCE CO.,LTD.



LIGHTING CONTROL SYSTEM^{Wi-Fi}

2023 PRODUCT CATALOG



- Wireless
- DMX512
- Triac
- DALI
- 0/1-10V
- Sensor

WWW.ISKYDANCE.COM



Sensor Series

Sensor Series

SKYDANCE sensor series include PIR Motion Sensor, microwave sensor, touch sensor, hand sweep sensor, and door sensor system. They are widely used in cabinets, ceilings, stairs, and doors. Light threshold, time delay, and standby time etc. function can be set. Products include sensor dimmers, sensor switches, stair light controllers, RF & 0/1-10V sensor dimmers, cabinet LED driver and a variety of sensor probes etc..Providing a complete sensor lighting control solution.



PIR Motion Sensor



Microwave Induction



Light Threshold



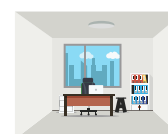
Dimming



On/Off



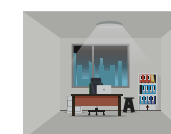
Warranty 5 years



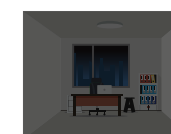
1. With sufficient ambient light, the sensor does not turn on the light.



2. With insufficient ambient light, the sensor turns on the light when motion is detected.



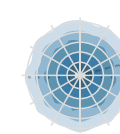
3. After hold time, the light turns off if no motion is detected.



4. After elapse of stand-by time, the sensor turns off the light if no motion detected.

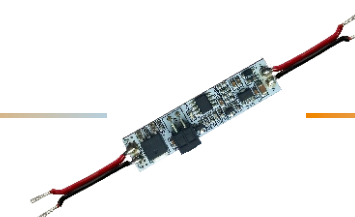


Wall mounting pattern(Unit:m)
Suggested installation height: 1-1.8m

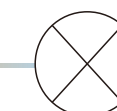


Wall mounting pattern(Unit:m)
Suggested installation height: 2.5-15m

DC input



PIR Motion Sensor Switch



LED

AC input



Cabinet LED drivers



Sensor control
(Optional)



Control boxes
(Optional)



LED



Remote Control

Sensor Series

► Mini Sensor Switch & Dimmer

- > Apply to table, cabinet, wardrobe led lights control,etc.
- > Touch/Hand sweep/door/PIR sensor arious trigger ways
- > Efficiency and high sensitivity
- > Easy installation



E1-C

50 X 7.8 X 10MM

Short press on the blue LED: Turn on or off light.
Long press on the blue LED: Dim up, long press again dim down.

PC cover, acrylic board or mirror glass, thickness: 0.5-3mm.

E1-B

50 X 11X 9MM

8cm

L7 x H5mm hole

Cut a hole in size L7 x H5mm on the PC cover

Put mini sensor switch into profiles when power is off, put the detetor head to the hole.

Pay attention to power input and LED output polarity.

Model No.	E1-C	E1-B
Product Name	Touch sensor dimmer	Hand sweep sensor switch
Input Voltage	12-24VDC	12-24VDC
Output Voltage	12-24VDC	12-24VDC
Output Current	Max 3A	Max 4A
Output Power	12V<36W, 24V<72W	12V<48W, 24V<96W
Size (mm)	50 X 7.8 X 10	50 X 11 X 9

E2-B

(CCT Hand swipe dimmer)

52 X 5.3 X 10MM

8.50 mm hole

6cm

Cut a hole in size Φ8.5mm on the PC cover.
Put mini sensor switch into pro les when power is off, put the detetor head to the hole.

Pay attention to power input and LED output polarity.

E1-D

50 X 11X 9MM

L7 x H5mm hole

Aluminum profile

Sensor switch

LED strip

PC cover

Cut a hole in size L7 x H5mm on the side of aluminum profile Put mini sensor switch into profiles when power is off, put the detetor head to the hole, detector head should face to the objects.

Pay attention to power input and LED output polarity.

E1-R

50 X 11X 12MM

Put mini sensor switch into profiles when power is off.

Pay attention to power input and LED output polarity.

Model No.	E2-B	E1-D	E1-R
Product Name	CCT Hand Sweep dimmer	Door sensor switch	PIR motion sensor switch
Input Voltage	12-24VDC	12-24VDC	12-24VDC
Output Voltage	12-24VDC	12-24VDC	12-24VDC
Output Current	Max 3A	Max 4A	Max 3A
Output Power	12V<36W, 24V<72W	12V<48W, 24V<96W	12V<36W, 24V<72W
Size (mm)	50 X 10 X 5.3	50 X 11 X 7.5	50 X 11 X 12

Sensor Series

► 24CH PIR Motion Sensor Stair Light Controller

- 24 Channel
- 2 lighting modes settable
- Work with single color and RGB SPI Pixel led strips
- 1-8 level light speed and brightness adjustable
- 2 groups different SPI(TTL) signal output
- White light step must be used with ES-F step sub-controller,defaults 24 steps, can be set up to 72 steps



186 X 68 X 25.5MM

Model No.	ES24
Input Voltage	5-24VDC
Output Voltage	/
Output Current	24CH*1A
Output Power	5V<100W 12V<240W; 24V<480W

Accessories



Daylight sensor (30cm) 1 pcs



PIR sensor 2 pcs



PIR sensor (5 m) 2pcs



ES-F connection line (11m) (24 interfaces) 1pcs

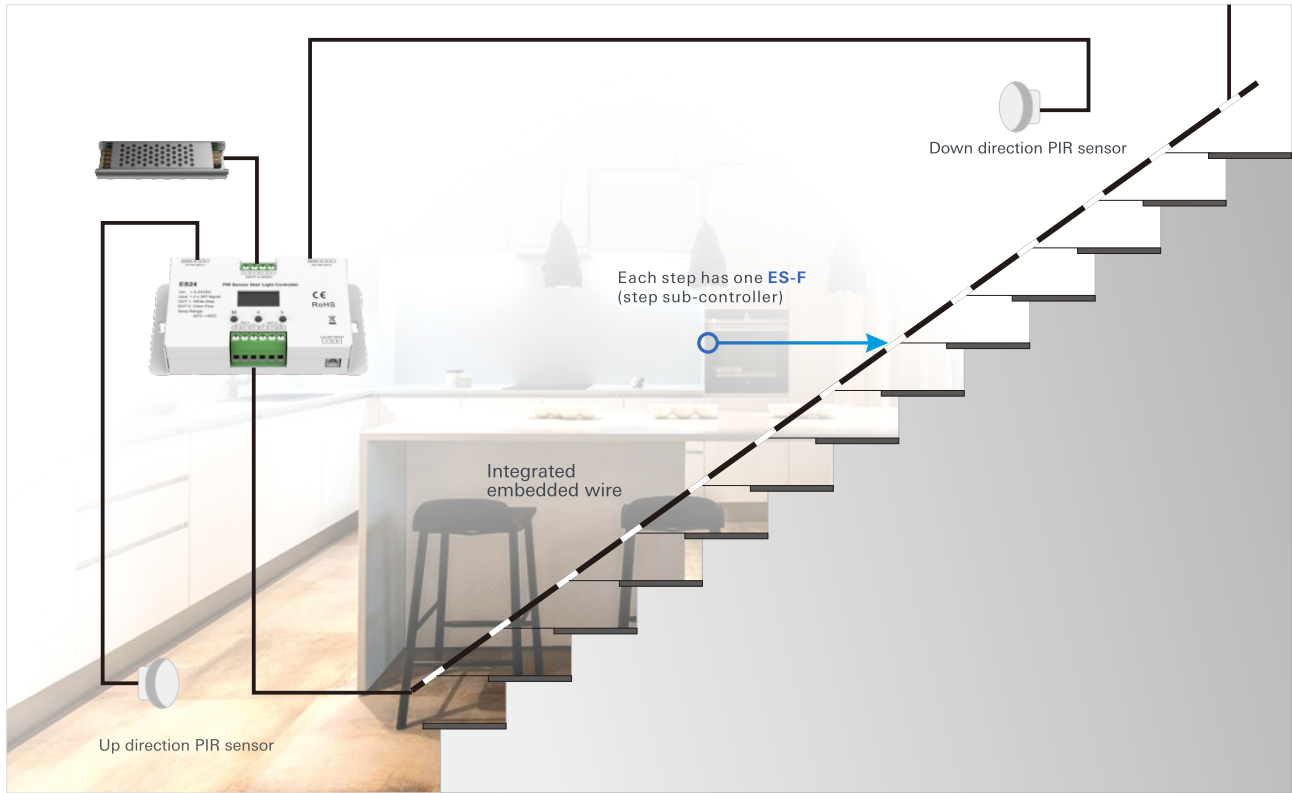


ES-F 24 pcs



65 X 40 X 8MM

Model No.	ES-F (step sub-controller)
Input Voltage	5-24VDC
Output Voltage	5-24VDC
Output Current	Max1A
Output Power	/



► 32CH PIR Motion Sensor Stair Light Controller

- 32 Channel
- 4 lighting modes settable
- 1-8 level light speed and brightness adjustable
- Work with cv single color and RGB SPI Pixel led strips
- PIR motion sensor or push switch signal input
- Come with 2 PIR sensor,1 daylight sensor and 2 extension lines
- 2 stair light controllers can cascade



52 X 52 X 27MM

Model No.	ES32
Input Voltage	5-24VDC
Output Voltage	32 x (5-24)VDC
Output Current	32CH*1A
Input Signal	5V<160W 12V<384W; 24V<768W

Accessories



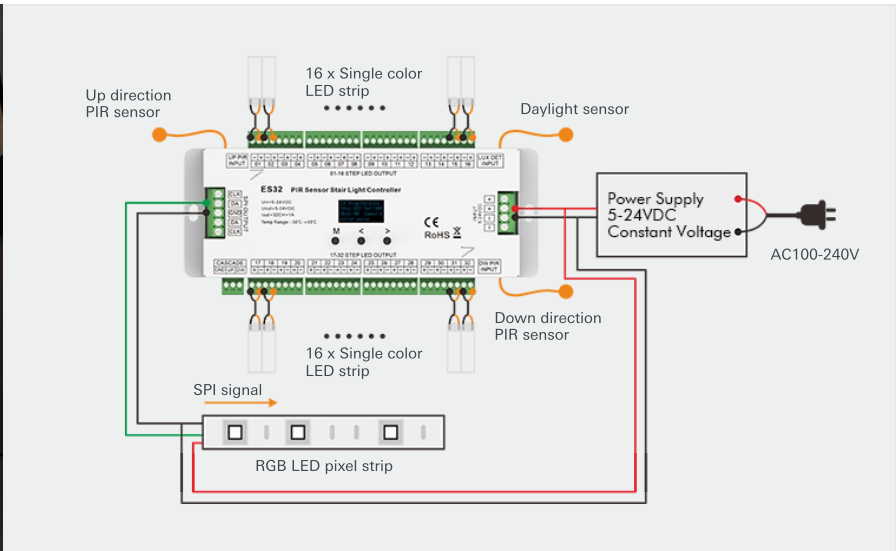
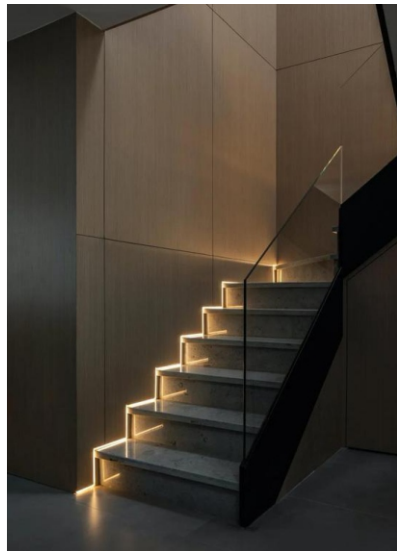
Daylight sensor (30cm) 1 pcs



PIR sensor 2 pcs



(5 m) 2pcs



► Dual PIR Sensor + Dual Push Button SPI Controller

- 4 lighting modes selectable
- Work with RGB or white light SPI Pixel led strips, Max 960 Pixel number
- Can drive 28 kinds IC digital RGB or white LED strip, IC type and R/G/B order can be set
- One push switch connect with multiple controllers for sequential switching control
- Multiple light colors and change types are selectable
- 1-8 level light speed and 1-10 level brightness adjustable
- Easy operation with 3 buttons



170 X 50 X 23MM

Model No.	ES-D
Input Voltage	5-24VDC
Output Signal	2 X SPI(TTL)
Pixel Number	Max 960
Input Signal	PIR sensor + Push button

Accessories



Daylight sensor (30cm) 1 pcs



PIR sensor 2 pcs



PIR sensor extension line (5m) 2pcs

Sensor Series

► PIR/Microwave Motion Sensor Switch(RF/0-10V)

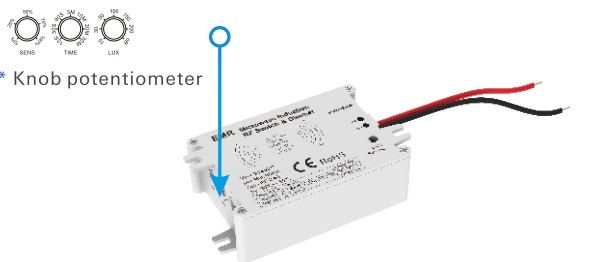
- Ceiling mounting installation
 - High voltage AC input, High voltage AC relay output with zero-cross detection
- RF Signal, 0-10V or 1-10V output selectable
 - Time delay and light threshold can be set via knob potentiometer



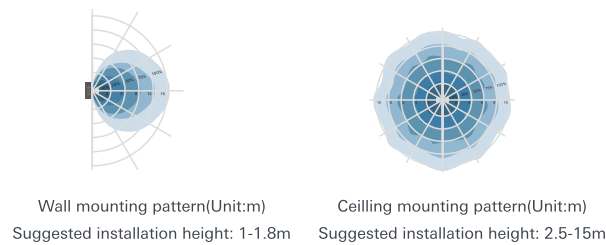
Model NO.	EH-R (PIR motion sensor switch)	EH-M (Microwave motion sensor switch)
Working voltage	100-240VAC	100-240VAC
Output signal	0/1-10V(Max.30mA), RF 2.4GHz	0/1-10V(Max.30mA), RF 2.4GHz
Output current	Max 4A (AC)	Max 4A (AC)
HF system	/	10.525GHz
Power consumption	<1.3W(Operation)	<1.6W(Operation)
Detection zone	Max.(DxH) 10 x 5m	Max.(DxH) 20 x 10m
Detection sensitivity	/	10%/25%/50%/75%/100%
Hold time	10s/30s/90s/3min/10min/30min/+∞	10s/30s/90s/3min/10min/30min/+∞
Stand-by time	0s/30s/90s/3min/10min/30min/+∞	0s/30s/90s/3min/10min/30min/+∞
Daylight threshold	10lux/30lux/50lux/100lux/150lux/200lux/Disable	10lux/30lux/50lux/100lux/150lux/200lux/Disable
Expected light	50lux/100lux/150lux/200lux/250lux/300lux/400lux	50lux/100lux/150lux/200lux/250lux/300lux/400lux
Mounting height	5m Max.	10m Max.
Motion detection	/	0.5-3m/s
Detection angle	360°(ceiling installation)	360°(ceiling installation)
Operation temperature	Ta:-20°C~+50°C	Ta:-20°C~+50°C
Size (mm)	Φ95 X 40	Φ95 X 40

► Microwave Sensor RF Switch

- Active microwave motion detectors
- Built-in motion sensor and daylight sensor
- Output RF 2.4G signal
- Matched with RF LED controller or RF dimmable LED driver
- Detection area, time delay and daylight threshold can be set
- Wide detection area, range up to 20m in diameter
- Mounting height max. 15m



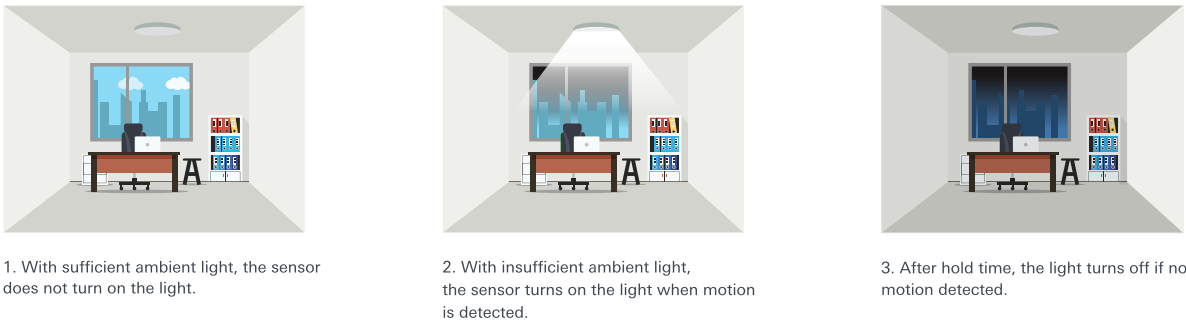
Microwave Sensor Detection Pattern



Sensor Distance

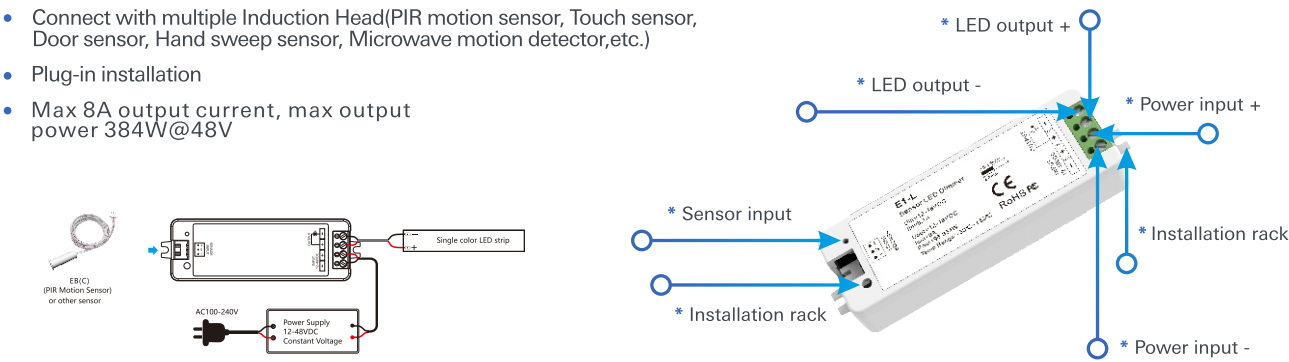


Typical application



► Sensor DC LED Dimmer

- Connect with multiple Induction Head(PIR motion sensor, Touch sensor, Door sensor, Hand sweep sensor, Microwave motion detector,etc.)
- Plug-in installation
- Max 8A output current, max output power 384W@48V



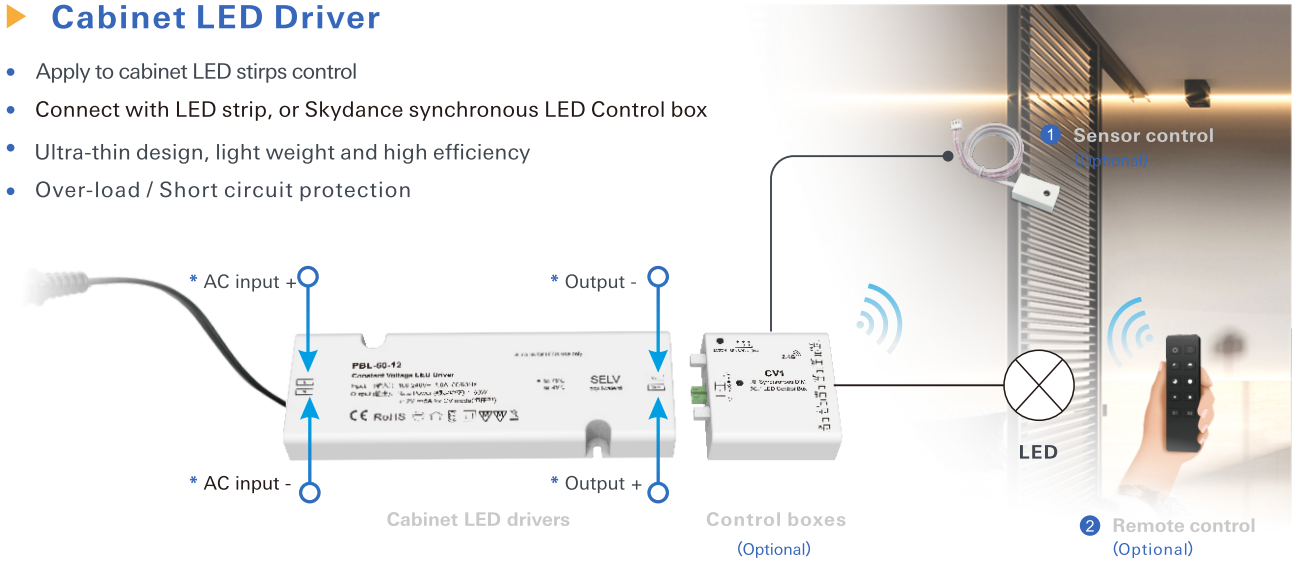
Model No.	Input Voltage	Output Voltage	Output Current	Input Signal	Size (mm)
E1-L	12-48VDC	12-48VDC	1CH*8A	12V<96W, 24V<192W 36V<288W, 48V<384W	97 X 33 X 18

Model NO.	EMR
Working voltage	9-24VAC
Output signal	RF 2.4GHz
HF system	10.525GHz
Power consumption	<0.5W(Stanby), <1W(Operation)
Detection zone	Max.(DxH) 20 x 15m
Detection sensitivity	10%/25%/50%/75%/100%
Mounting height	15m Max.
Hold time	10s/30s/90s/3min/10min/20min/30min
Stand-by time	10s/30s/90s/3min/10min/20min/30min
Daylight threshold	10lux/30lux/50lux/100lux/150lux/200lux/Disable
Daylight expected	50lux/100lux/150lux/200lux/250lux/300lux/400lux
Motion detection	0.5-3m/s
Detection angle	150°(wall installation), 360°(ceiling installation)

Sensor Series

Cabinet LED Driver

- Apply to cabinet LED stirps control
- Connect with LED strip, or Skydance synchronous LED Control box
- Ultra-thin design, light weight and high efficiency
- Over-load / Short circuit protection



Model No.	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency(EFF)	Size (mm)
PBL-60-12	100-240VAC	12VDC	Max 5.0A	Max. 60W	88%	164 X 55 X 18
PBL-60-24	100-240VAC	24VDC	Max 2.5A	Max. 60W	88%	164 X 55 X 18

Synchronous LED Control Box

- Match with a variety of induction sensor head optional
- Light on/off fade time 0.5/3s selectable
- Ultra-thin design, light weight and high efficiency
- Suitable for indoor LED lighting application

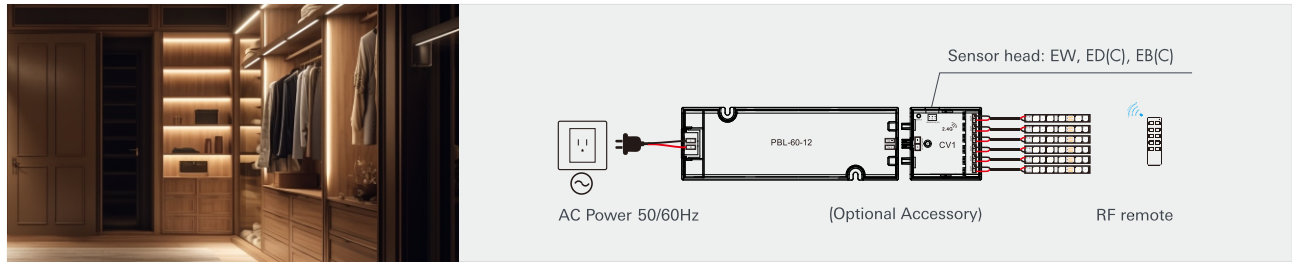


Model No.	Input Voltage	Output Channel	Output Current	Input signal	Lighg Type	Size (mm)
CV0	12-24VDC	6CH	12V<60W; 24V<60W	Sensor	On/ Off	54 X 55 X 18
CV1	12VDC	6CH	12V<60W	RF Sensor	Dimming	54 X 55 X 18
CV2	12VDC	6CH	12V<60W	RF Sensor	CCT	54 X 55 X 18

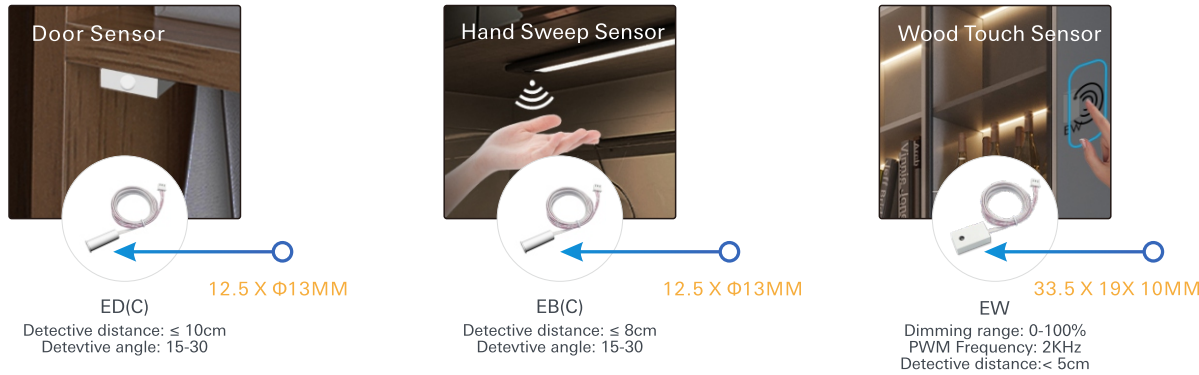
- Dimming interface: WiFi, RF Wireless and Sensor
- Tuya APP cloud control, Voice control
- 2.4G RF remote control
- Match with a variety of induction sensor head optional
- Light on/off fade time 3s selectable
- Ultra-thin design, light weight and high efficiency



Sensor Probes



Connect with a variety of induction Head



Model No.	Sensor data	Size (mm)
EB (C)	Detective distance: 8cm, Detective angle: 15-30	32.3 X 13 wire: 1 meter
ED (C)	Detective distance: 10cm, Detective angle: 15-30	32.3 X 13 wire: 1 meter
EW	Dimming range: 0-100% 2KHz PWM Frequency, Detective distance: ≤5cm	33.5 X 19 X 10 wire: 1 meter
ED-C	Sensitive distance: 1-6cm, Sensitive angle: 15-25	26 X 20 X 18 wire: 1 meter
EB-C	Sensitive distance: 1-6cm, Sensitive angle: 15-25	26 X 20 X 18 wire: 1 meter

Sensor Series

► Hand Sweep / Door Sensor Switch

- Constant voltage output, connect with low voltage LED strip
- PWM : 2KHz
- 1 second on/off light fade
- Apply to cabinet, closet, wine cabinet and other lighting

Hand sweep sensor switch
DC female jack in
DC male jack out
Sensitive field: ≤7cm

EB-CV(D)

Hand sweep sensor switch
Dupont male jack in
Dupont female jack out
Sensitive field: ≤7cm

EB-CV(L)

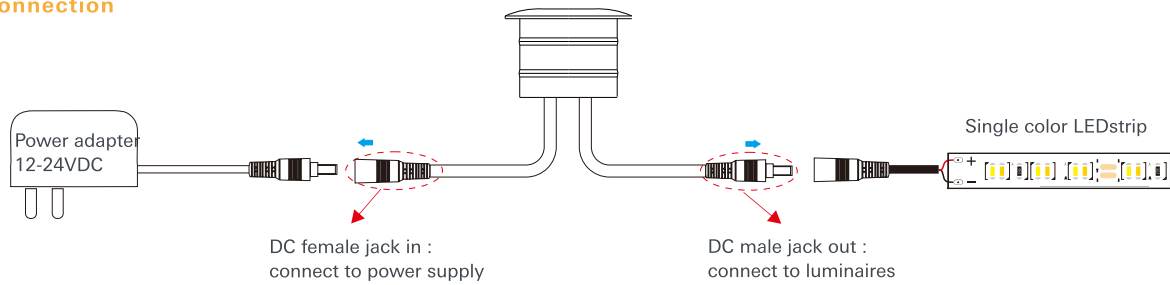
Door sensor switch
DC female jack in
DC male jack out
Sensitive field: ≤5cm

ED-CV(D)

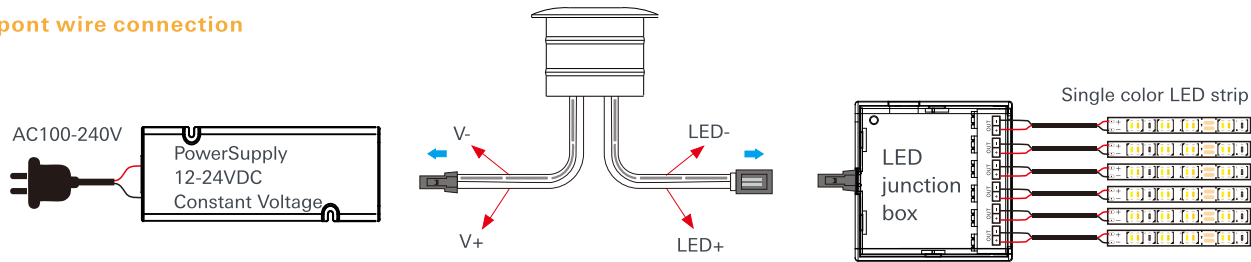
Door sensor switch
Dupont male jack in
Dupont female jack out
Sensitive field: ≤5cm

ED-CV(L)

DC Plug Connection



Dupont wire connection



Model No.	Input Voltage	Output Voltage	Output Current	Output Power
EB-CV(D)	12-24VDC	12-24VDC	Max. 4A	48-96W
EB-CV(L)	12-24VDC	12-24VDC	Max. 4A	48-96W
ED-CV(D)	12-24VDC	12-24VDC	Max. 4A	48-96W
ED-CV(L)	12-24VDC	12-24VDC	Max. 4A	48-96W

