ER-AV

Sensor

PIR Motion Sensing Switch

- Concealed PIR motion sensing switch, constant voltage output, c onnect with low voltage LED strip.
- Dupont male jack in, dupont female jack out.
- Maximum 1.5A output current, maximum power 36W@24V.
- Bilateral snap design for easy installation.
- Used for lighting stairs, garages, cabinets, closets, wine cabinets and more.



CE RoHS emc LVD

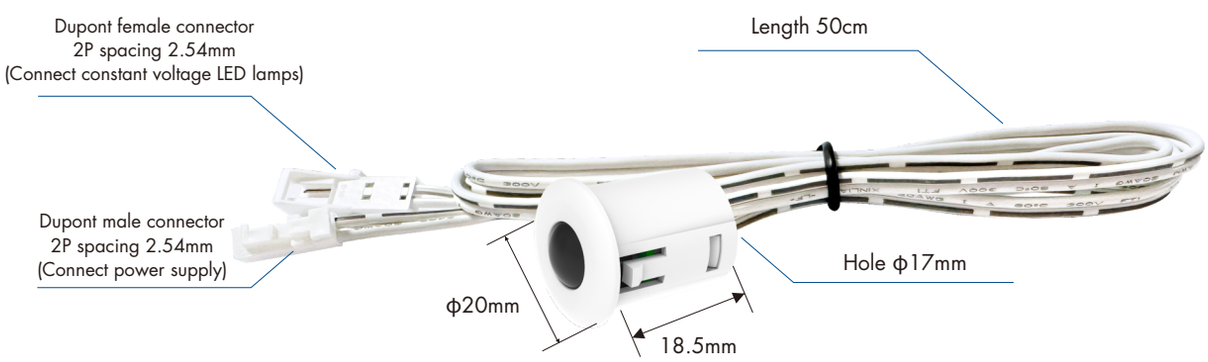
Technical parameters

Input and Output	
Input voltage	5-24VDC
Output voltage	5-24VDC
Output current	Max 1.5A
Output power	7.5-36W
Sensor Data	
Detection distance	3-4m
Detection angle	120°

Environment	
Operation temperature	Ta: -30℃ ~ +50℃
Protection	Reverse polarity
Package	
Size	L80xW45xH30mm
Gross weight	0.028kg

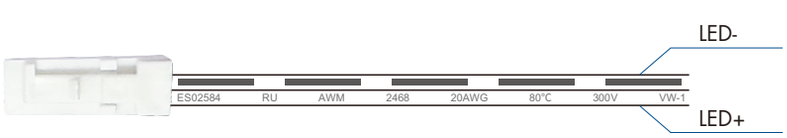
Safety and EMC	
EMC standard (EMC)	EN IEC 55015:2019+A11:2020 EN 61547:2009 EN IEC 61000-3-2:2019+A11:2021 EN 61000-3-3:2013+A11:2019
Safety standard(LVD)	EN 61347-1:2015+A1:2021 EN 61347-2-13:2014+A1:2017
Certification	CE, EMC, LVD

Mechanical structures





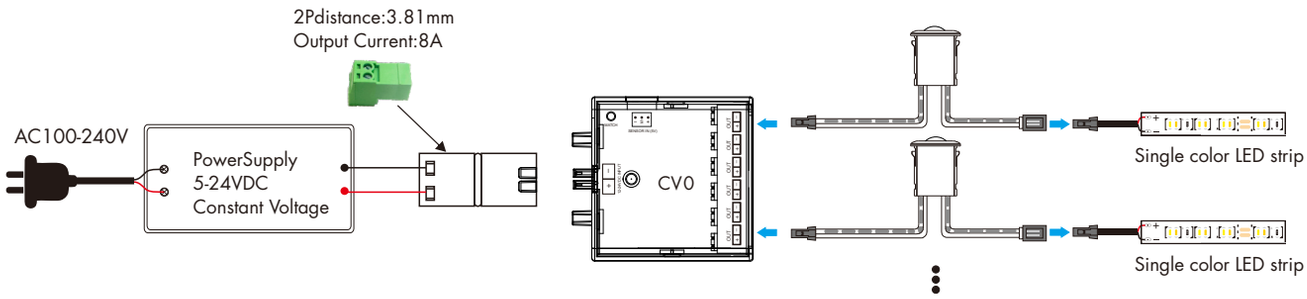
Output, connect to LED light, load 1.5A



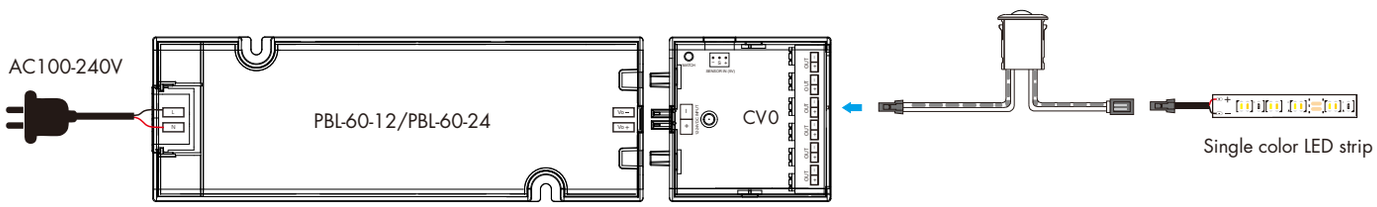
Input, connect to 5V/12V/24V power supply

Wiring diagram

- Power supply with constant voltage power supply + junction box

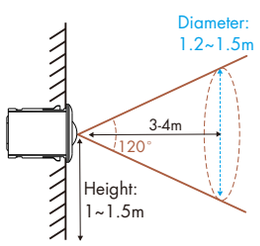


- Power supply using cabinet constant voltage power supply + junction box

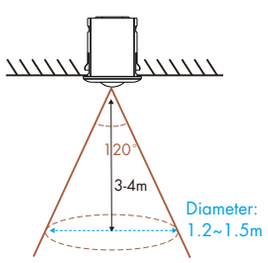


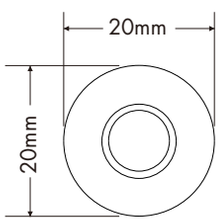
Sensing switch installation

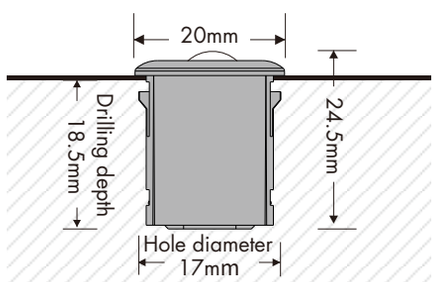
Wall mounting:



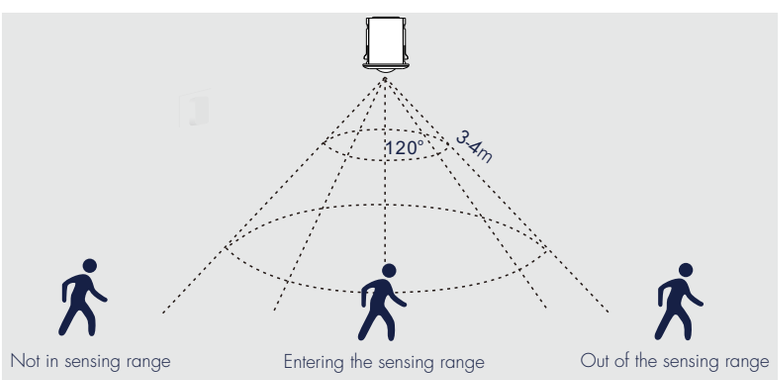
Ceilling mounting:







Sensing switch application



When people enter the sensing range, the light turn on;
when people exit the sensing range, the light turn off after 30 seconds.

Installation Precaution

1. Recommended for wall mounting.
2. If the sensing head is exposed to direct sunlight, interference signal will be introduced.
3. The sensing head should be installed in a dry environment and keep away from windows, air conditioner and fans.
4. Make sure that the sensing head stays away from heat source, such as countertops, kitchen appliances which generate hot steam, walls and windows in direct sunlight, air conditioner, heating, refrigerators, stoves and so on.
5. We recommended the wall-mounted installation height is1-1.5 meters and the ceilling mounting height is no more than 3 meters.
6. There should not be shelter(screen, furniture, large bonsai) within the range of detection.