

Microwave Motion Sensor (1-10V), 120-347V

MFG Part Number FDSL-MS

SKU#100884



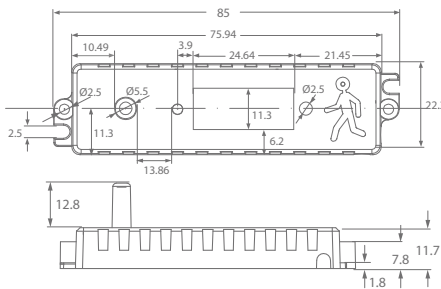
Use for following products:

FDS-32-LED-3K4K5K-120-347V-D3 SKU#100881

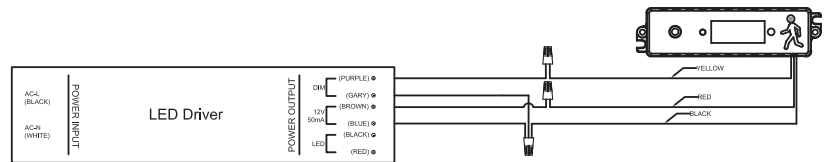
FDS-46-LED-3K4K5K-120-347V-D3 SKU#100880

Dimensions

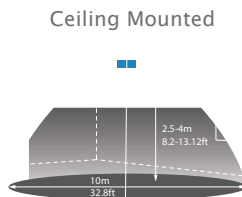
Unit:mm



Wiring Diagram



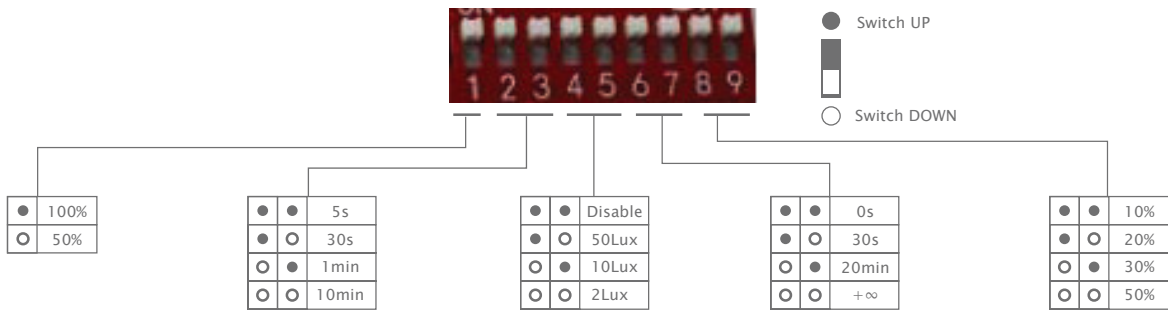
Detection Pattern



Technical Data

Operating voltage	12VDC
Operating current	1A (Max)
Output	1-10V
Stand-by power	<0.5W
Detection area	50%100%
Hold time	5s/30s/1min/10min
Daylight threshold	2Lux/30Lux/50Lux/ Disable
Stand-by period	0s/30s/20min/+∞
Stand-by dimming level	10%/20%/30%/50%
Microwave frequency	5.8GHz±75MHz
Microwave power	<1mW
Mounting height	Max.2.5-4m/8.2-13.12ft
Detection range	Max.10m/32.8ft
Operating temperature	-20°C~+60°C
IP rating	IP20

Settings



Detection Area

In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as the strong sensitivity.

Hold-time

The period of light keeps 100% brightness after moving the objects to leave the detection area.

Day-light Threshold

Definition of the ambient brightness; only when the ambient brightness is lower than the preset specific lux amount, the sensor will work; when it's preset as "disable", the sensor works everytime it detects motion regardless the ambient brightness.

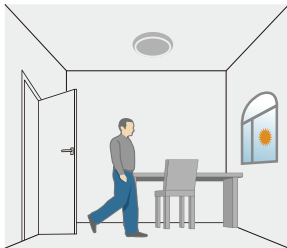
Stand-by Period

The period of light keeps low output before it's completely switched off. When it's preset as "∞", the light always keeps at low output if no movement in the detection area and doesn't turn off.

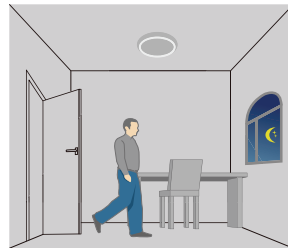
Stand-by Dimming Level

The definition of low output in the standby period.

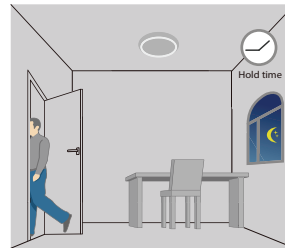
Application Function Demo – Dimmable control/Corridor function



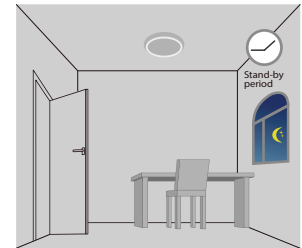
With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



After last detection, the light will be dimmed down to the stand-by dimming level(10%, 20%, 30% or 50%) after holdtime.



After the stand-by period, light OFF.