

ILHBAR360

ZHAGA18 PLUG-N-PLAY 12V
MERRYTEK MC079D IR Z PIR SENSOR MODULE 0-10V
(Alternative for ILHBAR350)

INITIALIZATION

1. On/Off function / 3-Step dimming function: the sensor turns on the light at 100% brightness, and will be turned off after 45-60s seconds. During initialization, the sensor is not able to detect movement.
2. 2-Step dimming function: the sensor turns on the light at 100% brightness. After 45-60s seconds, it dims the light to low light level (the brightness set by stand-by dim level). During initialization, the sensor is not able to detect the movement.

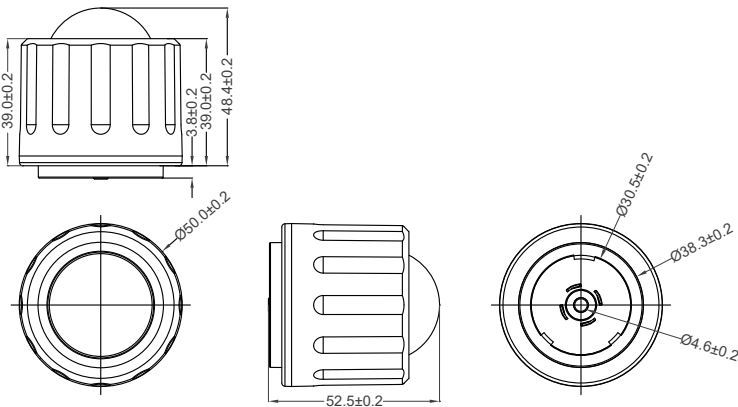
DEFAULT SETTING

Sensitivity: 100%, Hold time: 10s, Daylight sensor: Disable, Stand by period: 0s, Stand by DIM level:10%

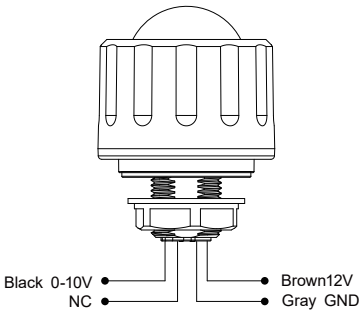
APPLICATION NOTICE

1. Suitable for indoor application, half/completely outdoor environment conditions might trigger the sensor.
2. This product needs to be installed firmly to avoid false triggering caused by shaking.
3. AUX LED driver with stable output voltage and low ripple must be used. The ripple of the AUX power supply should be less than 100mv; the load current should be greater than 50 mA.
4. Daylight sensor and daylight harvesting testing delivered in bright day without shadow or specially designed lampshade or lens, it may be affected by weather , cover and lumen of light in actual use.
5. Dimming performance differs when connected to different drivers, the min. Dim level is determined by the LED driver.
6. The distance is related to factors such as the ambient temperature, the installation height, the weather and whether the installation environment is open. The detection distance given in the manual is a typical value, it is tested by 165cm/65kg people who walks in an open indoor environment.
7. PIR sensor is not suitable to be used in the environment with sudden changed temperature of airflow.
8. When ambient temperature approaches the human body temperature range (36~37°C), PIR motion detection will significantly weaken or non-responsive.
9. When ambient temperature or LED tray temperature is higher than 40°C, false triggering may happen, please try to reduce detecting sensitivity to improve. If stays false triggering, the PIR sensor should not suitable to be used in the space.

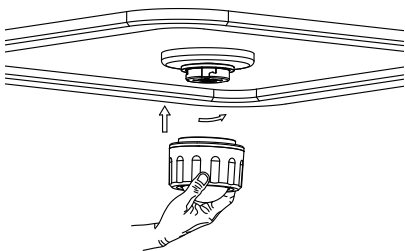
DIMENSION(mm)



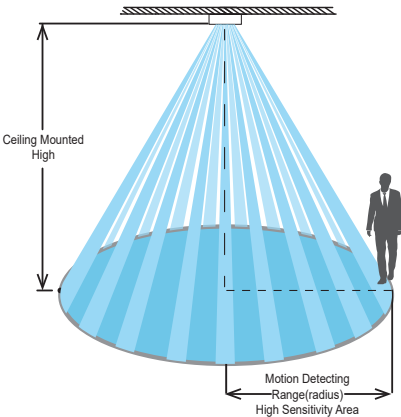
Function



INSTALLATION INSTRUCTION



DETECTION AREA



SPECIFICATIONS

Model	ILHBAR361			
Interface	Zhaga Book18			
Rated voltage	12±1Vdc			
Rated current	<30mA			
Working mode	0 -10VDC dimming signal			
Transmitting Power	3mW Max.			
Detection mode	PIR detection			
Operating frequency	5.8GHz ±75MHz, ISM band			
Daylight Priority	ON	5Lux/15Lux/30Lux/50Lux	100Lux	150Lux
	OFF	150Lux	200Lux	300Lux
Stand-by DIM Level	10%(1.4-1.6V) 20%(1.9-2.1V) 30%(2.9-3.1V) 50% (4.9-5.1V)			
Detection range (radius)	2-4m (indoor, sensitivity 100%,no direct sunlight to sensor)			
Mounting height	Typical 10m (12m Max)			
Operating temperature	-20°C~+55°C			
Storage temperature	-40°C~80°C, humidity ≤85% (non-condensing)			
IP Rating	IP65			
Installation requirements	Plug in installation			
Warranty	5 years warranty @Ta, indoor use only			