

# HC-22 High Density Ceiling Mount PIR Lens Array

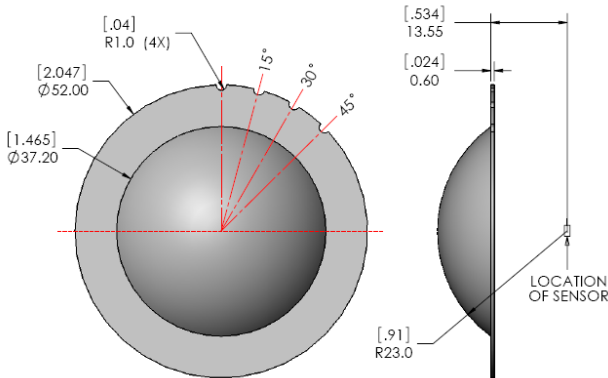
## Spherical PIR Lens for Ceiling Mount Sensors

The HC-22 is a Fresnel lens array designed for Passive Infrared (PIR) sensor applications. This lens can be used in security, lighting control and environmental control applications.

The lens is designed for uniform sensitivity, which means that each zone has approximately the same sensitivity as all the others, and the total electronic gain of the sensor can be minimized. The lens features a 40 ft. (12 m) diameter pattern on the floor and a short focal length that is consistent with most current applications. The lens can be used as a “swap-in” replacement where increased sensitivity and reduced false alarms are desired.



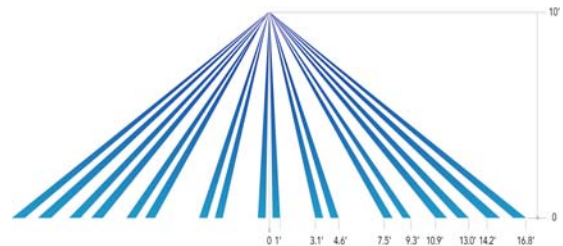
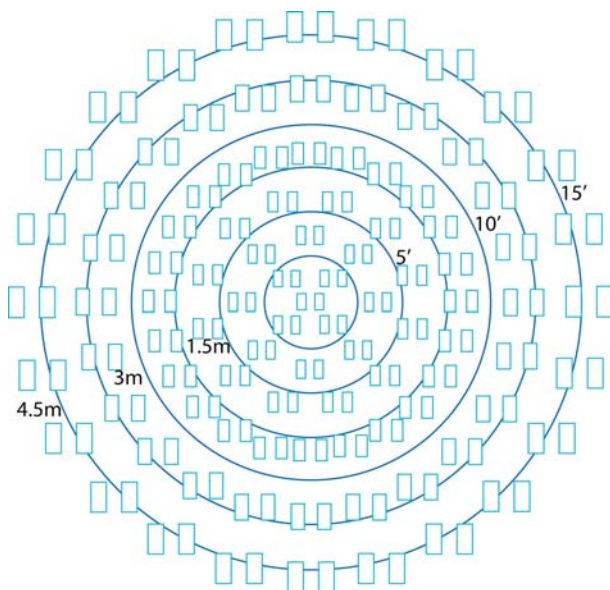
HC-22 Fresnel Lens



Dimension Schematic Ceiling Lens Array

### Specifications:

- RDO Part #IO8926
- Diameter of detection pattern: 40 ft. (12.2 m)
- Detection Zones: 97
- Field of View: 160° x 360°
- Installation Height: 7 to 10 ft. (2.1 – 3 m)
- Focal Length: 22 mm
- Material: Infrared Transmissive Polymer
- Colors: White or Natural
- Optimized for dual element pyroelectric devices
- Suitable for single element sensors



Protection Pattern  
Dimensions in ft. (m)

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