

Flat Ceiling Lens

The Flat Ceiling lens is designed for passive infra-red (PIR) sensors where product aesthetic appearance is an important consideration. The lens uses free-form Fresnel facets to maintain image quality and ensure a wide coverage area. One sensor can typically cover an entire 10 x 10m (33 x 33ft) room.

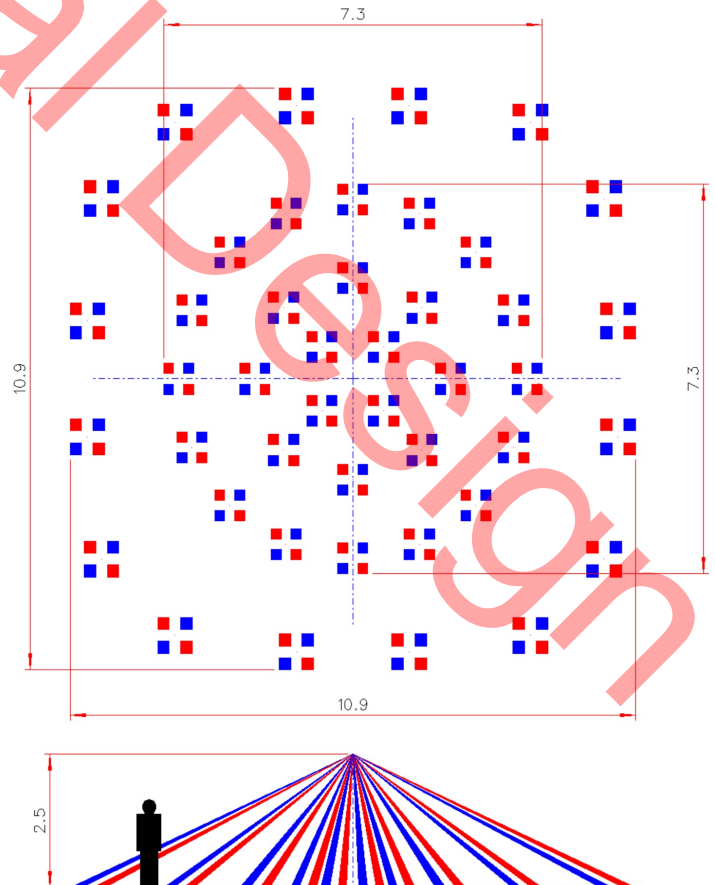
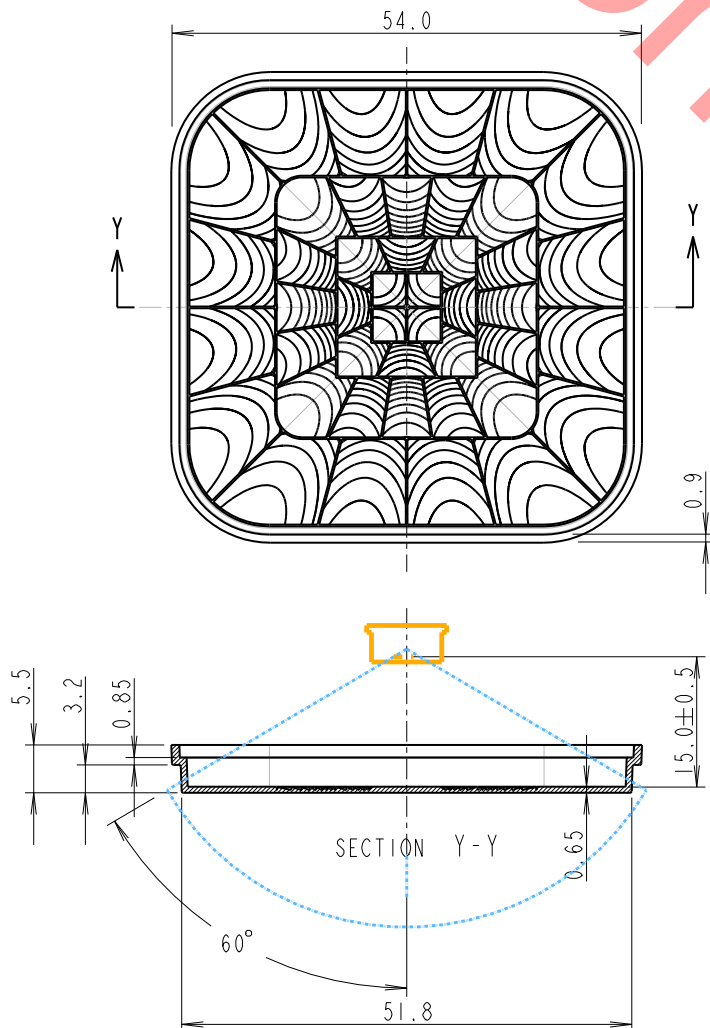
The lens has a near square zone pattern ensuring that detection is possible into the corners of the room, while still giving good close-up [small movement] detection. The flat nature of the lens, combined with the relatively short focal distance, allows the designer to consider a low-profile sensor product.



PART NO.	DESCRIPTION
I261-N	CLEAR HDPE MATERIAL
I261-W	WHITE HDPE MATERIAL
I261-B	BLACK HDPE MATERIAL

Applications

- PIR detection for warehouses, shops, offices, workshops and home
- Lighting control, fan control, alarm control.



Dimensions are in mm. Typical pyro Excelitas PYQ1748. Pyro must have a viewing angle of at least 120deg in both horizontal and vertical directions

Diagram shows theoretical zone plot for detector mounted 2.5m (8ft) above floor..