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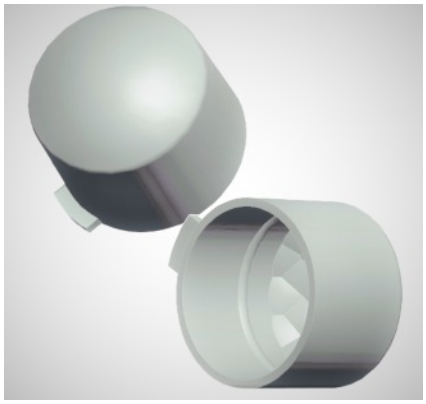
Diamond 37



Item Code 12880
Drawing Number 70118

Available with different hole patterns, transparent, white, light grey, black and custom colours.

The Diamond 37 lens is a much improved version of the popular PF17 lens, with a wider field of view and higher resolution whilst maintaining the same overall daimeter.

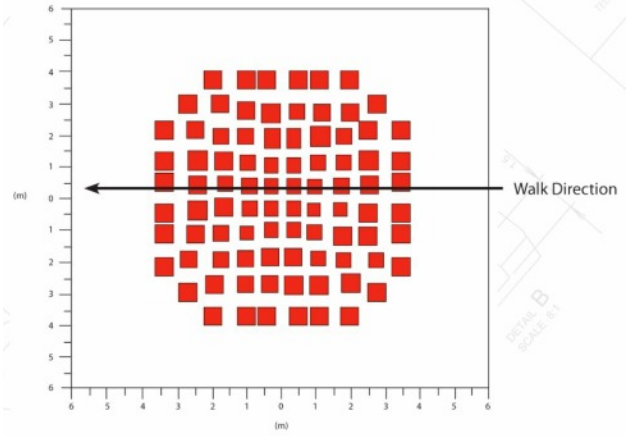
Designed to be used in conjunction with Excelitas PYQ 1348* (0.8mm element size) detector which will result in 88 detection zones with equally distributed zone gaps.

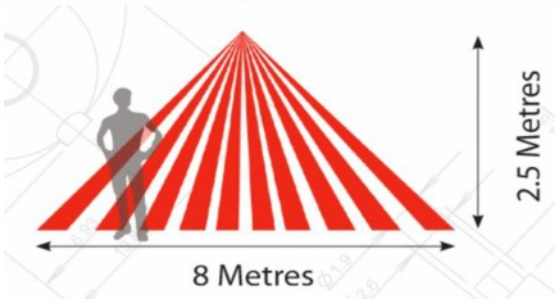
The part is mechanically robust and is suitable for ceiling or wall mounting. The base ensures that the PYQ 1348* (0.8mm element size) pyro is mounted at the optimal focal length every time.
The lens will be located with a mount 10029.

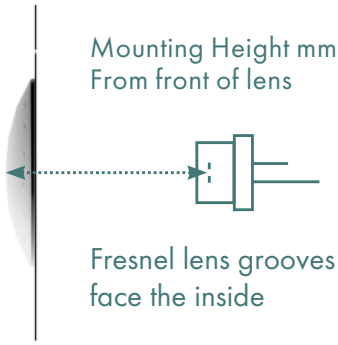
Typical range of 5 - 10m.

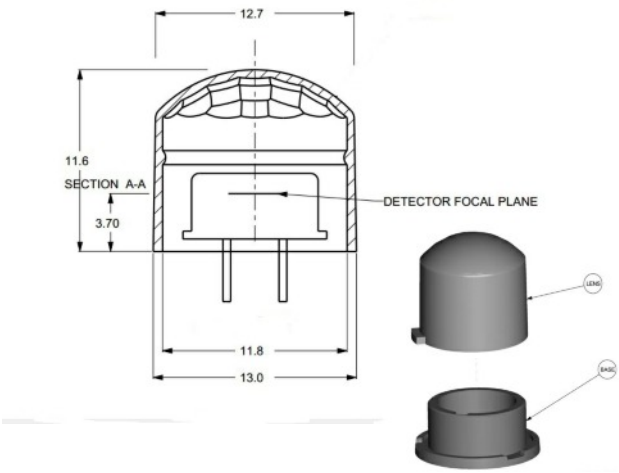
Patent Pending

Typical field of view diagram when used in conjunction with Perkin Elmer PYQ5868 Detector with quad element configuration at a mounting height of 2.7 metres.









Note: Field of view (FOV) diagrams are idealised. Exact zones may depend on mounting conditions, detector type etc. FOV diagrams have been raytraced in reverse, i.e. from detector to the floor.

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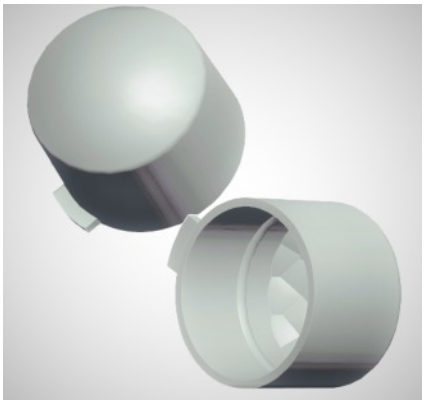

Compatible Sensor Types	D, A**	View on Website
Additional Sensor Types*	A**	
Pyro Mounting Height	7.9mm from front of lens**	
Mounting Height from Floor	2 - 10 metres	
Detection Angle	98°	
Detection Range	5 - 10 metres	
Focal Length	8mm	
Material	Carclo HDPE	
Colours	Natural, White, Light Grey, Black	
Variants	With or Without Base (10029)	
No. of Lenses	88	
Overall Lens Dimensions	12mm diameter	
Overall Part Dimensions	12.6mm x 11.6mm	
Mounting	Wall or ceiling	

*May work with reduced signal. Recommend trial

** For some lenses the optical distance is critical- e.g. must equal 3.6+-0.1mm on drawing "Optical Distance" or a spacer under Pyro to achieve correct focal length to lens. Beware of Pyro orientation. Pyro Mounting height (from top surface of optic to element plane on Pyro).

*** With correct orientation - 90 degree from the drawing on pyro table

**** A one off tooling charge may apply

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