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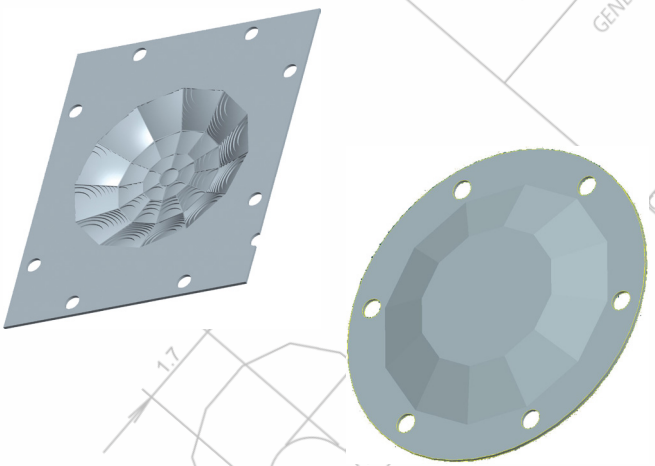
PF31 Ceiling Lens

The popular PF 31 Ceiling lens is a low profile 360 degree PIR lens suitable for both security and building control applications.

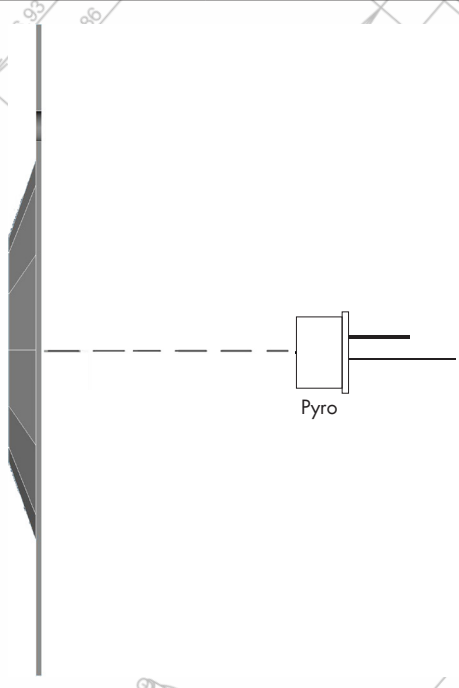
Its low profile makes this lens more discrete than many other products.

The lens can be supplied in a number of variations and can be custom cropped to the customer's requirements.



Key Features

Pyro mounting height	15mm from top lens surface
Detection Angle	102 Degrees
Focal Length	15mm
Material	Carclo HDPE
Colours	Natural, White
Variants	Cropped to custom shape**
Compatible Detectors	LHI958, PYQ5868, LHI1148*
No. of Lenses	31



*Other detectors may work, but have not been tested with this lens at the current time.
**A one off tooling charge may apply.
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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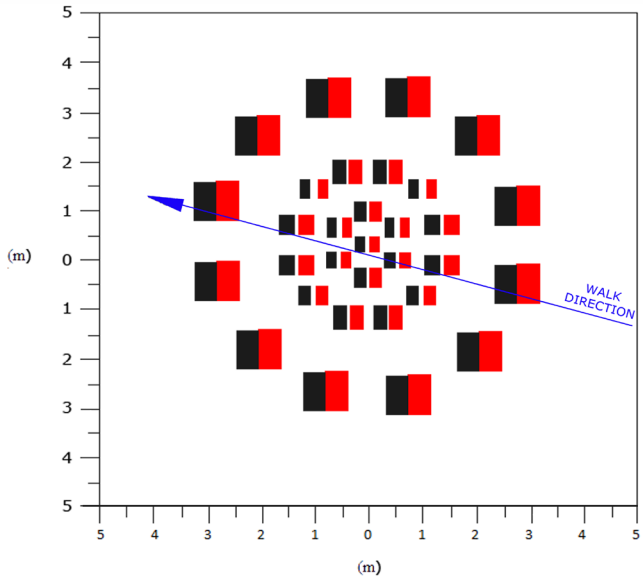
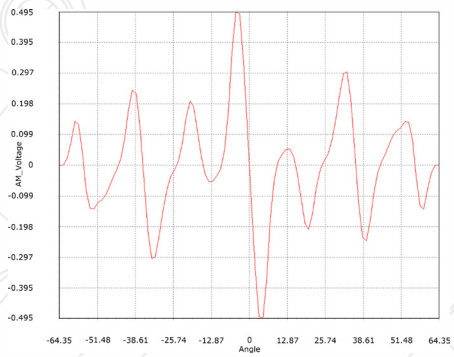
Typical field of view diagram when used in conjunction with Perkin Elmer Lhi 958 Detector with dual element configuration at a mounting height of 2.7 metres.



Signal response of Lhi 958 used with PF31 in a straight line walk test simulation. Walk direction is shown by the arrow on field of view diagram above.



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Note: The beam patterns and signal response shown in this datasheet can be greatly effected by detector position and therefore are intended as a general guide only.
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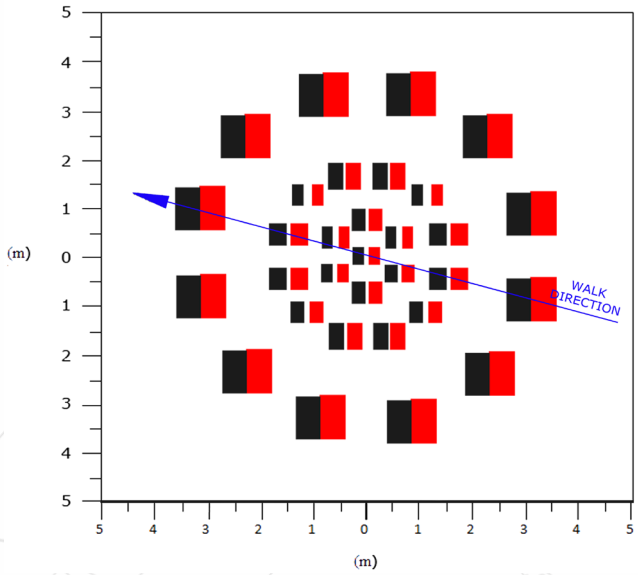
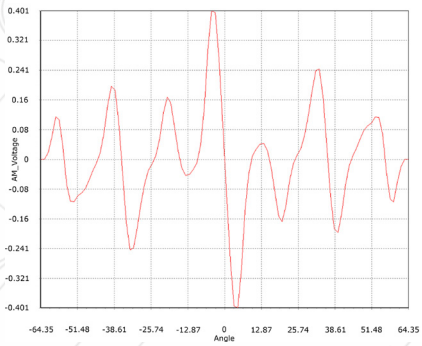
Typical field of view diagram when used in conjunction with Perkin Elmer Lhi 958 Detector with dual element configuration at a mounting height of 3 metres.



Signal response of Lhi 958 used with PF31 in a straight line walk test simulation. Walk direction is shown by the arrow on field of view diagram above.



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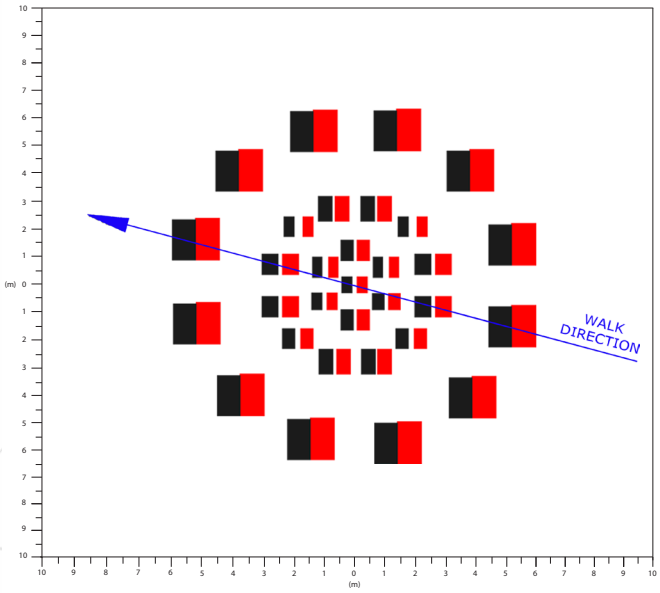
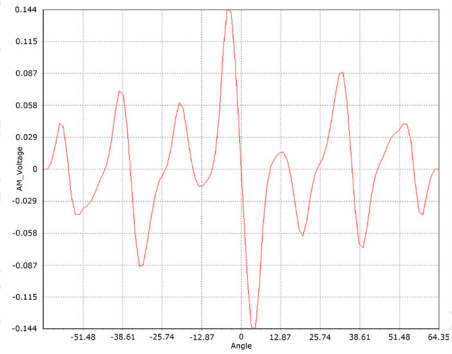
Typical field of view diagram when used in conjunction with Perkin Elmer Lhi 958 Detector with dual element configuration at a mounting height of 5 metres.



Signal response of Lhi 958 used with PF31 in a straight line walk test simulation. Walk direction is shown by the arrow on field of view diagram above.



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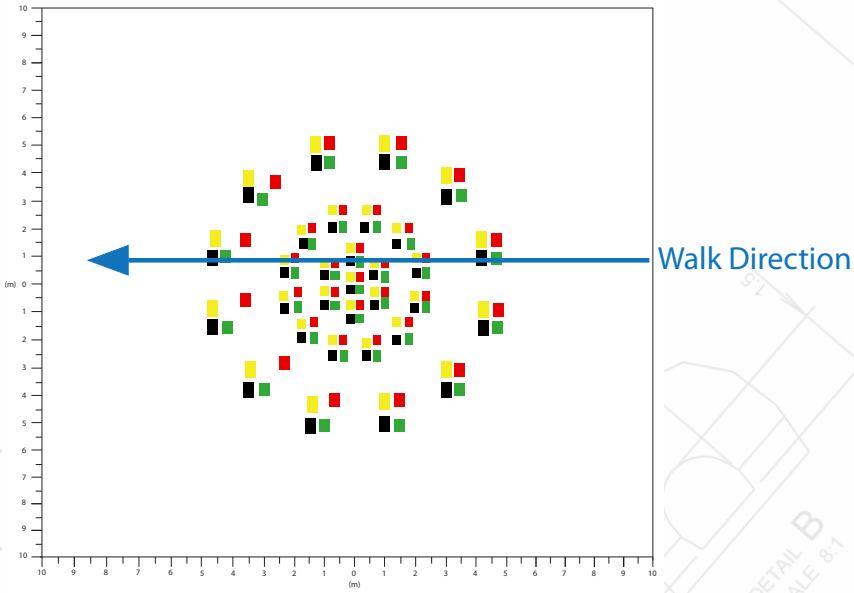
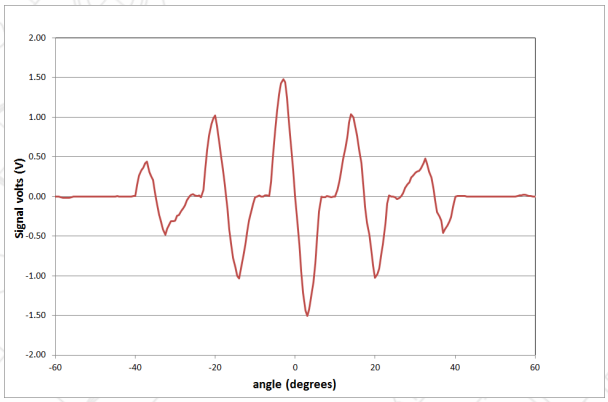
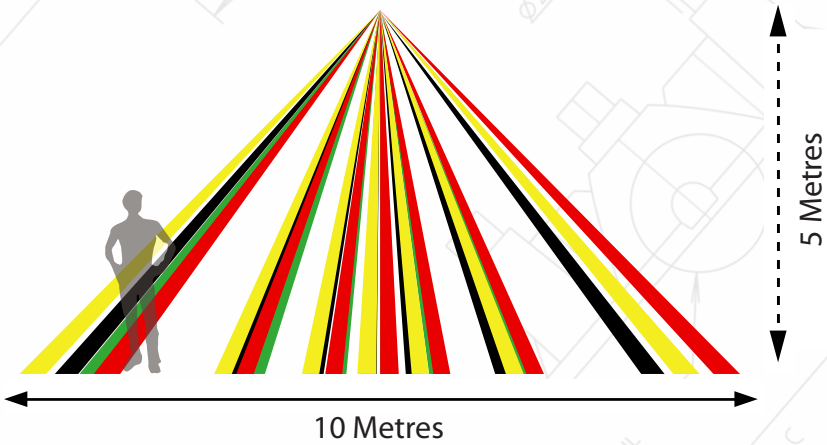
Typical field of view diagram when used in conjunction with Perkin Elmer PYQ5868 Detector at a mounting height of 5 metres.



Signal response of PYQ5868 used with PF37 in a straight line walk test simulation. Walk direction is shown by the arrow on field of view diagram above.





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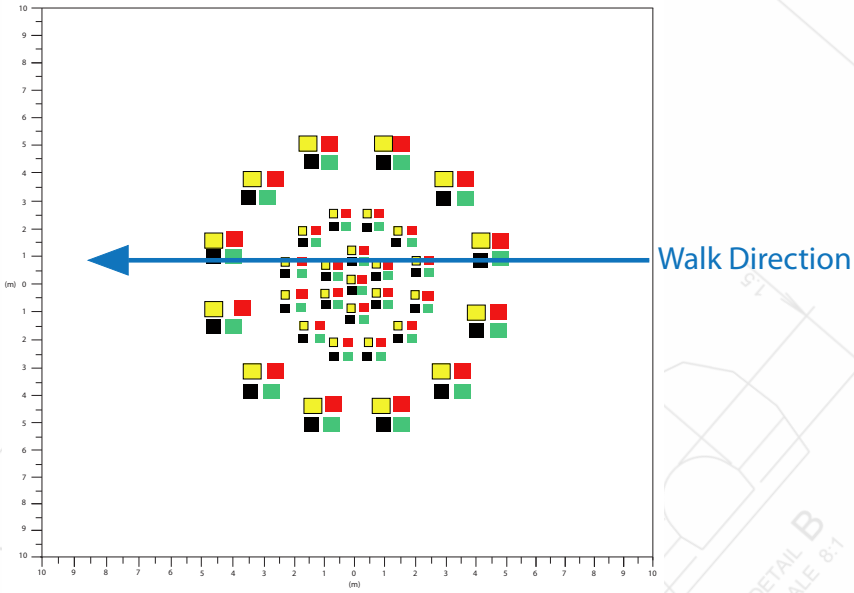
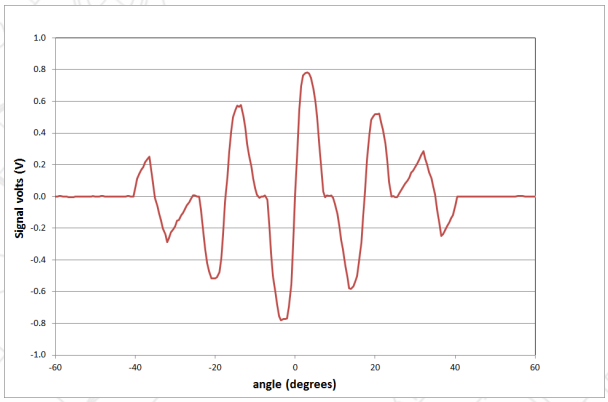
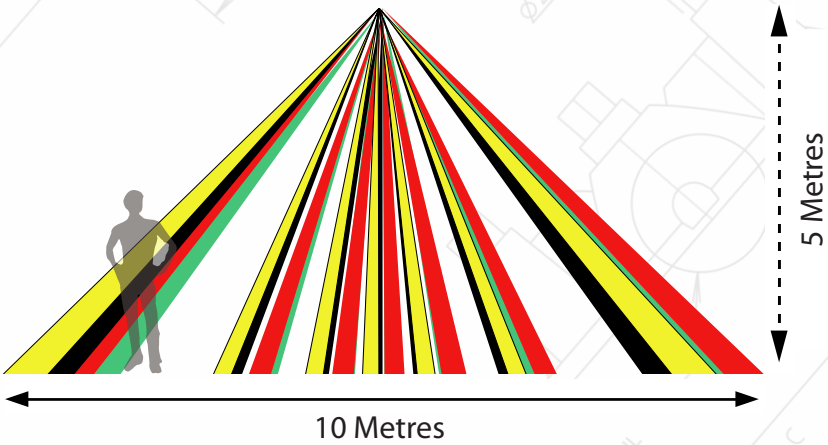
Typical field of view diagram when used in conjunction with Perkin Elmer LHI1148 Detector at a mounting height of 5 metres.



Signal response of LHI1148 used with PF37 in a straight line walk test simulation. Walk direction is shown by the arrow on field of view diagram above.





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