OVERVIEW
Ceiling mounted lens for high bay areas such as warehouses, distribution centres, factories and atriums. Designed to function with a single pyro but can be configured with three pyro’s for additional sensitivity.

FEATURES
- Array of 43 Individual Fresnel Facets
- Up to 172 detection zones with a single qual pyro
- Up to 516 detection zones with a three pyro arrangement
- Aspheric Fresnels for better optical performance
- Designed using optical ray-tracing software
- Other flange shapes can be cropped from rectangle
- Available in natural and white colours

APPLICATIONS
- PIR detection for warehouses, shops, offices and workshops
- Lighting and air conditioning control
- Alarms and security

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Drawing</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>533C</td>
<td>A3-10533</td>
<td>Natural</td>
</tr>
<tr>
<td>533W</td>
<td>A3-10533</td>
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Diagram shows theoretical zone plot for detector mounted 14m above floor. Mounting height can be reduced as required. The lens has a 1:1 aspect ratio, therefore when mounted at 12m height, the lens projects 43 zones into a 24m diameter floorspace.
HIGH BAY LENS

PIR lens for motion detection. For use in security or lighting control applications where there are relatively high ceilings.

3 PYRO MODE

To improve the density of the zone pattern, and hence to increase detection sensitivity, the High Bay lens can also be used in a 3 pyro configuration.

We recommend tilting the pyro’s according to the pictures below. A pyro holder design is available to download from the POL website. It can be used to 3D print a prototype holder, or it can be used under licence to manufacture a plastic mould tool.

APPLICATIONS

- Warehouses and factories
- Atriums
- Leisure centres, gyms, sports halls
- Street Lights, Car Parks

Diagram shows theoretical zone plot for detector mounted 14m above floor. Mounting height can be reduced as required. When used with a quad pyro the lens will project 516 individual detection zones within a 40m diameter circular area.