FEATURES
- Designed to press onto standard T05 pyro
- Horizontal curtain and circular beam patterns
- Choice of profile shape to suit product styling
- Designed using optical ray-tracing software
- Compact shape with clearance for pcb components
- Available in natural, white and black colours

APPLICATIONS
- Office and household lighting control
- Motion detection for security applications
- Individual luminaire switching
- Fan and air conditioning control
- Control panel illumination for appliances
- Vending machines, ATM’s, streetlights

Cap lenses can be ordered to fit most of the leading pyro-electric sensor brands such as Excelitas, Nicera, Murata and Panasonic. The lens presses onto the T05 cannister and is held at the correct focal distance.

Low voltage sensor modules are available. Sensor modules have analogue pyro with switching circuit and sensitivity adjustment. Can be combined with relay module for mains switching. Modules can be used for alarm activation or lighting.

Small and compact, these lenses are suitable for numerous security and lighting applications, in the office, or around the home. Available in two beam pattern versions, horizontal curtain (HC) and 360deg ceiling, there is a lens suitable for every application.
OVERVIEW
High performance motion detection lens for security and lighting applications. Horizontal curtain (HC) beam pattern with 100deg FOV and up to 12m range. Ideal for portable security devices where pet immunity is required. Pyro not included.

FEATURES
- Designed to press onto standard T05 pyro
- Automatically sets correct focal distance
- Fresnel lenses to maximise IR collection
- Spherical shape creates natural rigidity
- Designed using optical ray-tracing software
- Compact shape with clearance for pcb components
- Available in natural, white and black colours

<table>
<thead>
<tr>
<th>Part Number</th>
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<th>Colour</th>
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<tbody>
<tr>
<td>707-N</td>
<td>A3-10707</td>
<td>Natural</td>
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<td>707-W</td>
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<tr>
<td>707-B</td>
<td>A3-10707</td>
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Typical application 1: Bookshelf device, mounted 1.5m above floor, detects humans, immune to pets.

Typical application 2: Ceiling mounted corridor detection. Ideal for ceiling mounted luminaires. Detector is immune from air movement around windows and doors.

Theoretical zone plot. Optimum range is 8m. Maximum Range 12m depending on electronic gain.

Dome Cap Lens HC
OVERVIEW
High performance motion detection lens for security and lighting applications. 360deg beam pattern with 100deg FOV and up to 7m field at 2.4m mounting height, ideal for ceiling mount applications. Tightly packed zones for minor motion detection.

FEATURES
- Designed to press onto standard T05 pyro
- Automatically sets correct focal distance
- Designed using optical ray-tracing software
- Compact shape with clearance for pcb components
- Available in natural, white and black colours

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<tr>
<td>709-B</td>
<td>A3-10709</td>
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Typical mounting method: 20x1mm o-ring stretched around lens flange. PCB screwed to housing via pillars. Orientation tab sits in channel next to fixing pillar.
OVERVIEW
Motion detection lens for security and lighting applications. Horizontal curtain (HC) beam pattern with 100deg FOV and up to 8m range. Ideal for portable security devices where pet immunity is required. Lens can be mounted flush with product housing which is ideal for devices where aesthetic appearance is important. Pyro not included.

FEATURES
- Designed to press onto standard T05 pyro
- Automatically sets correct focal distance
- Fresnel lenses to maximise IR collection
- Designed using optical ray-tracing software
- Compact shape with clearance for pcb components
- Available in natural, white and black colours

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<td>711-B</td>
<td>A3-10711</td>
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Theoretical zone plot. Optimum range is 6m. Maximum Range 8m depending on electronic gain.
OVERVIEW

Motion detection lens for security and lighting applications. 360deg beam pattern with 100deg FOV within 6m diameter area. Lens can be flush mounted with product housing - ideal for devices where strong aesthetic appearance is important.

FEATURES

- Designed to press onto standard T05 pyro
- Fresnel lenses to maximise IR collection
- Uses POL's unique free-form Fresnel system
- Designed using optical ray-tracing software
- Compact shape with clearance for pcb components
- Available in natural, white and black colours

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<tr>
<td>713-B</td>
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</table>

Note: White material has 25% lower IR transmission than natural material. Black material has 35% lower IR transmission than natural material.

Typical mounting method: 20x1mm o-ring stretched around lens flange. PCB screwed to housing via pillars. Orientation tab sits in channel next to fixing pillar.

Typical mounting method: 20x1mm o-ring stretched around lens flange. PCB screwed to housing via pillars. Orientation tab sits in channel next to fixing pillar.