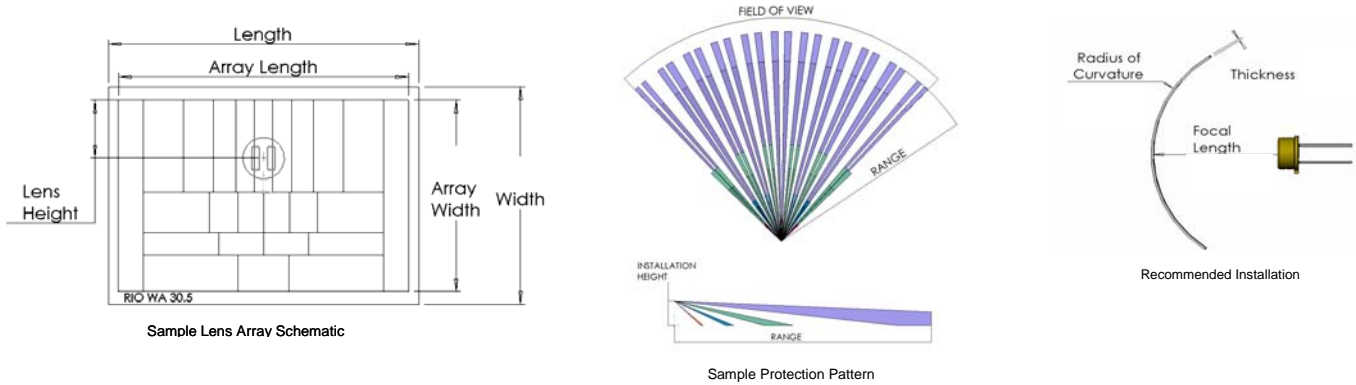


Passive Infrared (PIR) Lens Arrays

Our PIR lens arrays are Fresnel lens arrays designed for Passive Infrared sensor application. Our optical surfaces are based upon Reflexite's proprietary lens design, which increases lens sensitivity for PIR sensor applications. These arrays can be used in applications involving security, lighting controls, and environmental controls. They are designed for uniform sensitivity, which means that each zone has approximately the same sensitivity as the others and the total electronic gain of the sensor can be minimized. They feature a short focal length that makes them well suited for compact, low profile sensors.



Part Number	Product		Focal Length	Radius of Curvature	Array Length	Array Width	Range	Field of View	Installation Height
IO8905	WA-30.5	Wide Angle Array	30.5 mm	30 - 60 mm	57 mm	37.6 mm	21 m	90°	2.4 - 3 m
IO8906	DWA-30.5	Dense Pattern Array	30.5 mm	30 - 60 mm	57 mm	37.6 mm	13 m	110°	2.1 - 3 m
IO8907	EWA-30.5	Extra Wide Array	30.5 mm	30 - 60 mm	57 mm	37.6 mm	18 m	130°	2.1 - 3 m
IO8908	WA-23	Short Focal Length Array	23 mm	23 - 45 mm	57 mm	37.6 mm	18 m	90°	2.1 - 3 m
IO8904	WA-16.5	Short Focal Length Array	16.5 mm	16 - 25 mm	41 mm	19.4 mm	15.2 m	120°	2.1 - 3 m
IO8902	PI-30.5	Pet Immunity Array	30.5 mm	30 - 60 mm	55 mm	35 mm	12.2 m	90°	2.1 - 3 m
IO8916	WA-30.5-110	Wide Angle Array	30.5 mm	30 - 60 mm	56 mm	40 mm	23 m	110°	2.4 - 3 m
IO8926	HC-22	High Density Ceiling Mount Array	22 mm	NA	38.6 mm Ø	NA	12.2 m	160° x 360°	2.1 - 3 m
IO8927	MC-22	Medium Density Ceiling Mount Array	22 mm	NA	38.6 mm Ø	NA	12.2 m	160° x 360°	2.1 - 3 m

Materials: HDPE Natural and White
All arrays are:

- Optimized for dual element pyroelectric devices
- White light immunity to reduce false triggers
- UV resistant for outdoor applications
- Designed for uniform sensitivity to reduce electronic gain

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