

## KUBE Cone Optics TR232

Integrated optics for PIR detectors

KUBE PIR Cone Optics TR232 is extremely compact with a window opening of 11.5 x 4mm and much smaller than conventional lens designs. Nevertheless, KUBE integrated optics provide 110° field of view and up to 15 meters of detection range. It will work with any conventional PIR circuit and performs like much larger Fresnel lenses.

It is used with a dual-element Pyro Sensor like the KUBE type 6192

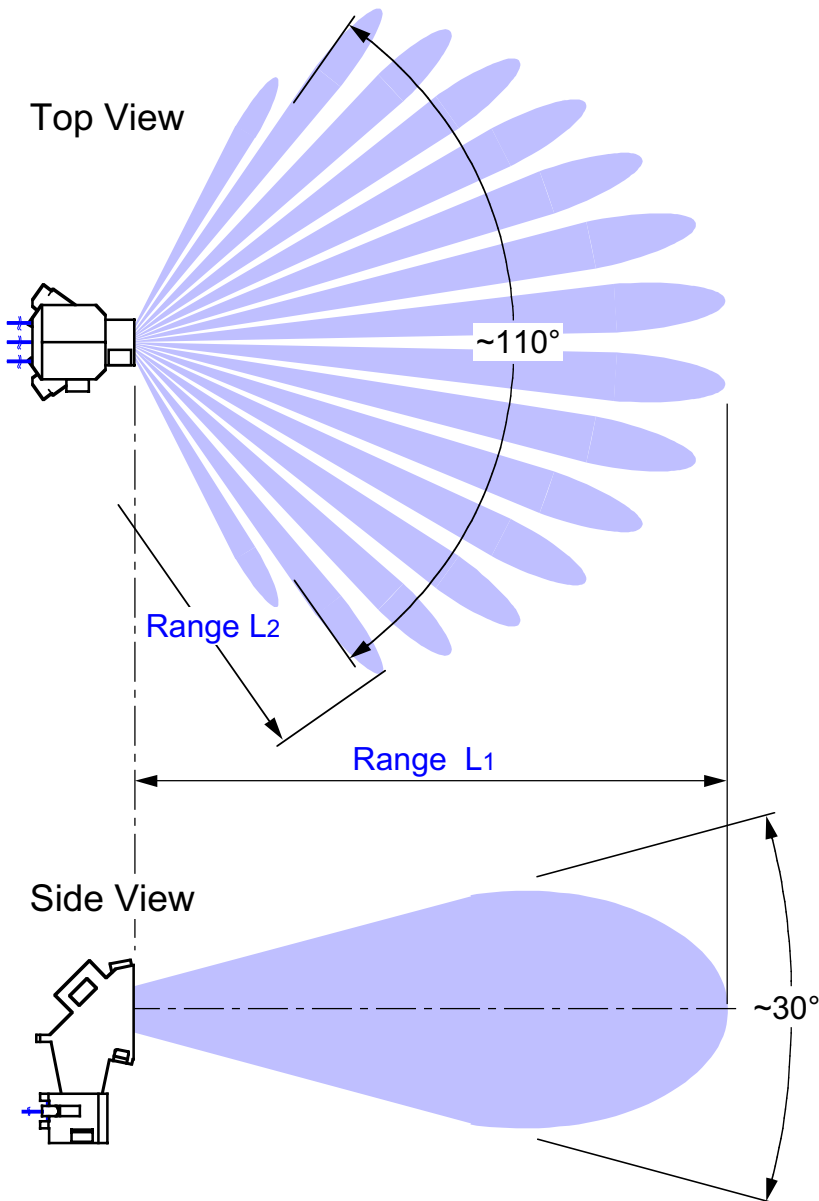
The small and flat front opening does allow for an unobtrusive and vandal proof design. Also, environmental effects like air draft or lights are largely compensated.



Range:	12 Meters or more (up front)
Typical mounting position:	Wall
Alternative mounting position:	Ceiling, various
Horizontal viewing angle:	110°
Vertical viewing angle:	+/- 15°
Window size:	15.5 x 6.5mm (flat)
Focal length:	n/a
Front window:	TR231 or PIR film, different colors
Ideal to comply with:	IEC 669-2-1 & CE safety requirements
Sensor case:	Flat Pack

Cone Optics are patented in the US and Europe under: EP 821804, US 5006712, CH 690383

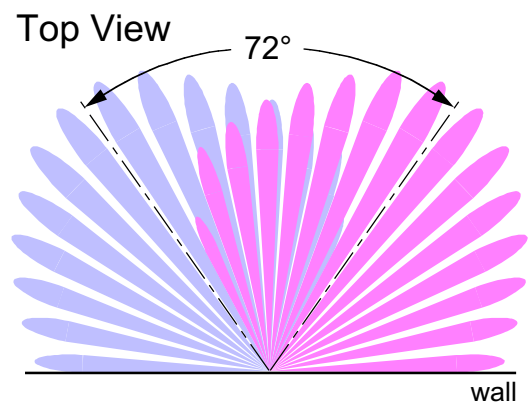
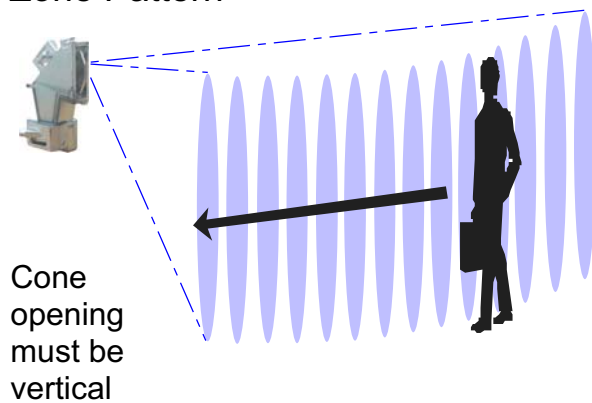
## Field of view



Sensitivity	Range *	
	L1	L2
high	12m	8m
medium	9m	6m
low	6m	4m

\* tangential movement

## Zone Pattern



use two Cone Optics to get a true 180° viewing angle

