

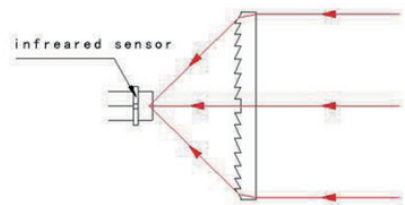
PIR series Fresnel lens(Ver.3)

The red outwire lens features:

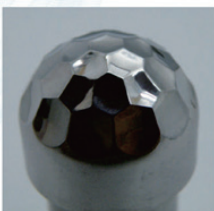
The IR fresnel lens, be extensively apply in the clay influence the switch, Annunciator, IR thermo scope, IR formation of a imagine and so on, can provide different induce angle, distance, size of the fresnel lens for customer.

Point of Contact
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PIR series Fresnel lens



Product picture



Mold Cavity



security purpose
PIR sensor



Infrared detection module

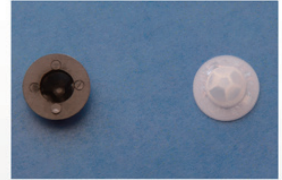
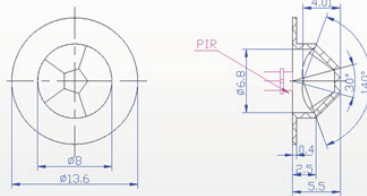


Pyroelectric lens for
motion detector

PIR series Fresnel lens (Ver.3)

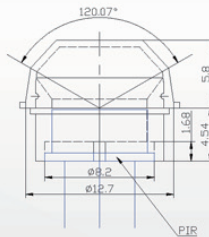
PD55-14006

FOCUS	5.5mm
ANGLE	140°
LENGTH	6m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



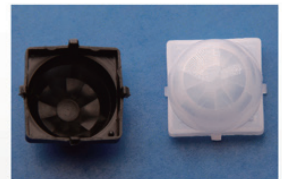
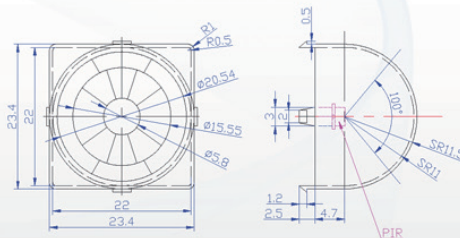
PD60-12008

FOCUS	6mm
ANGLE	120°
LENGTH	8m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PD105-10010S

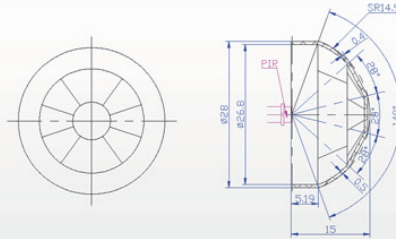
FOCUS	10.5mm
ANGLE	100°
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

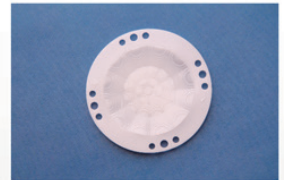
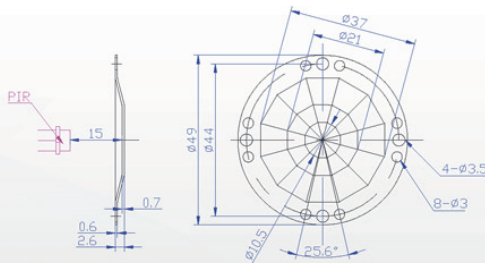
PD15-14006

FOCUS	15mm
ANGLE	140°
LENGTH	6m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



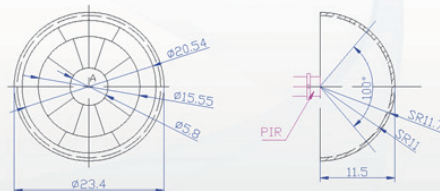
PD15-36007

FOCUS	15mm
ANGLE	360°
LENGTH	7m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PD105-10010

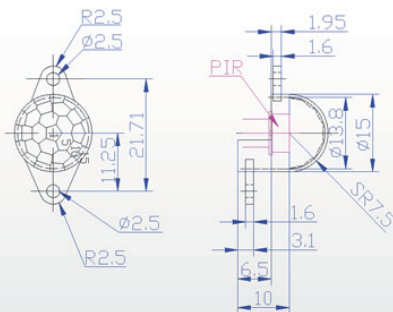
FOCUS	10.5mm
ANGLE	360°
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

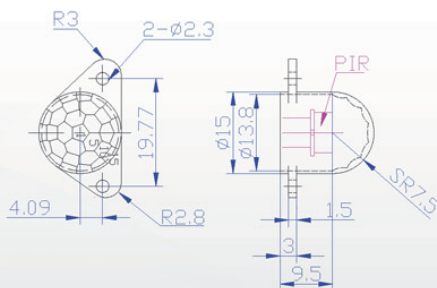
PD75-12005A

FOCUS	7.5mm
ANGLE	120°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



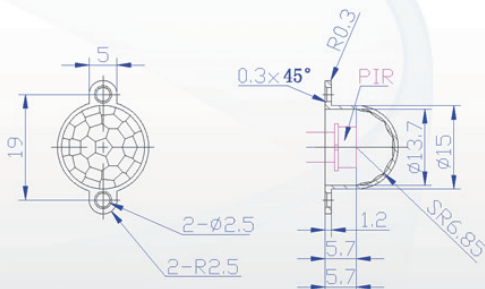
PD75-12005B

FOCUS	7.5mm
ANGLE	120°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PD75-12005C

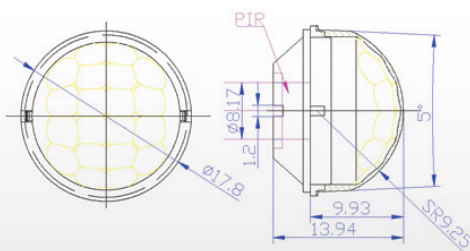
FOCUS	7.5mm
ANGLE	120°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

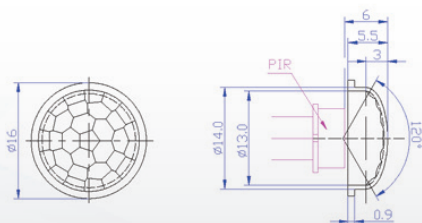
PD09-12008W / PD09-12008B

FOCUS	9mm
ANGLE	120°
LENGTH	8m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



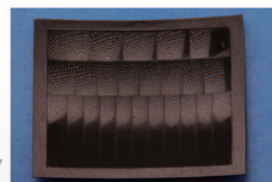
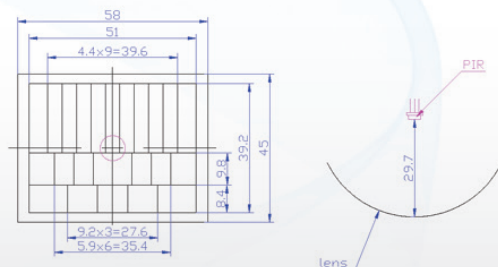
PD06-12005

FOCUS	6mm
ANGLE	120°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PF297-79810

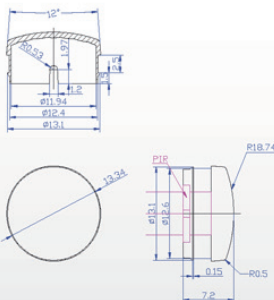
FOCUS	7.5mm
ANGLE	120°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

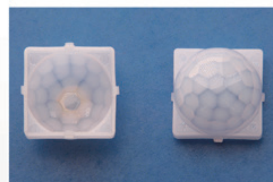
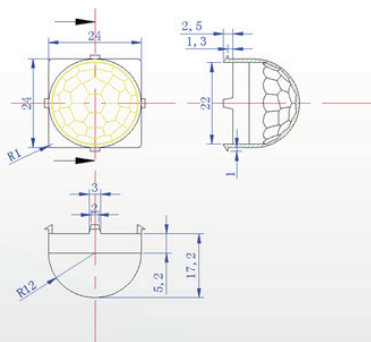
PD06-12002B

FOCUS	7.5mm
ANGLE	120°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



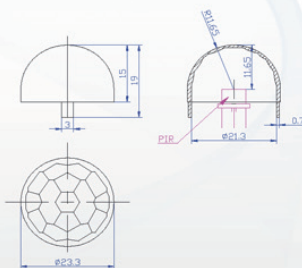
PD12-12010

FOCUS	7.5mm
ANGLE	120°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PD116-12010

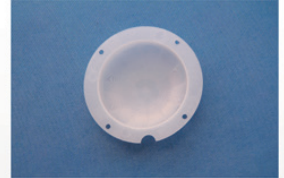
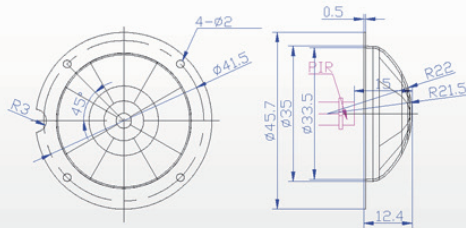
FOCUS	7.5mm
ANGLE	120°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

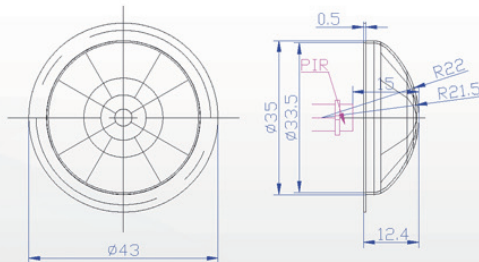
PD15-36010P

FOCUS	15mm
ANGLE	360°
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



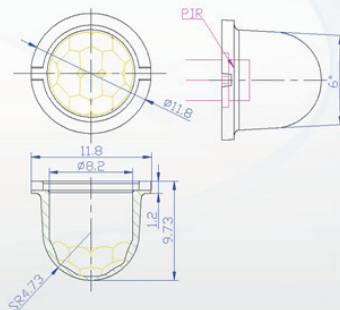
PD15-36010

FOCUS	15mm
ANGLE	360°
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PD05-12005W / B

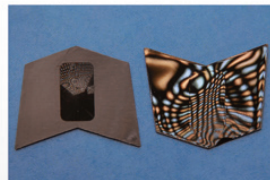
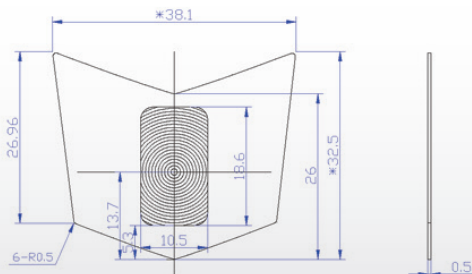
FOCUS	5mm
ANGLE	120°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

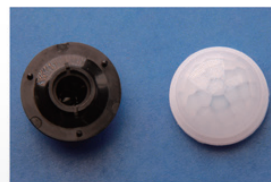
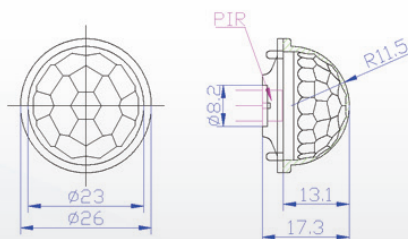
PF20-3027

FOCUS	20mm
ANGLE	30°
LENGTH	27mm
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



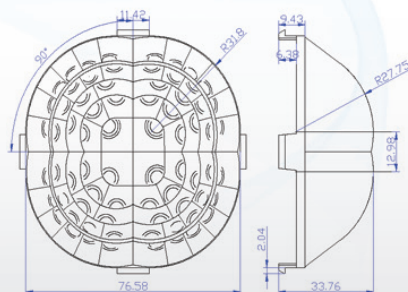
PD115-12010

FOCUS	11.5mm
ANGLE	120°
LENGTH	10mm
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PD30-36010

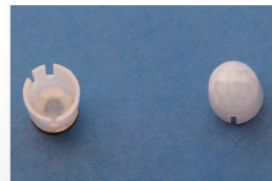
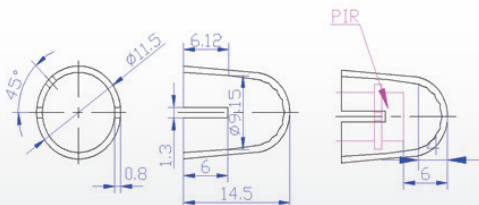
FOCUS	30mm
ANGLE	360°
LENGTH	10mm
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

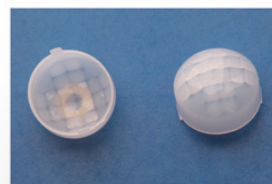
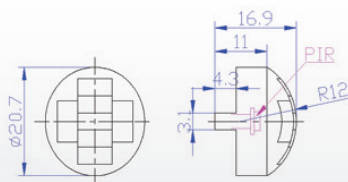
PD06-6005

FOCUS	6mm
ANGLE	60°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



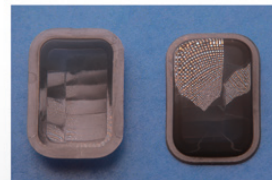
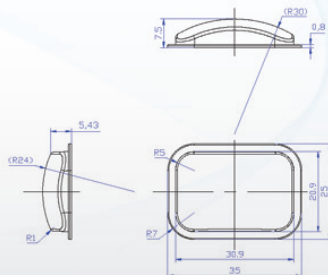
PD076-9005

FOCUS	7.6mm
ANGLE	90°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PD23-6020

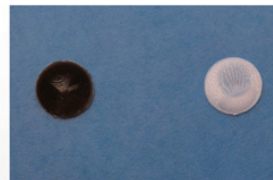
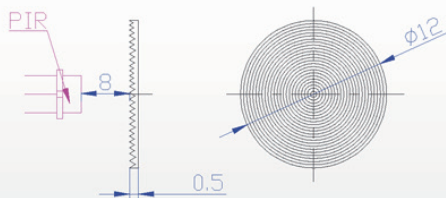
FOCUS	23mm
ANGLE	60°
LENGTH	20m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

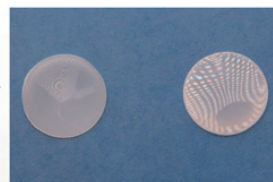
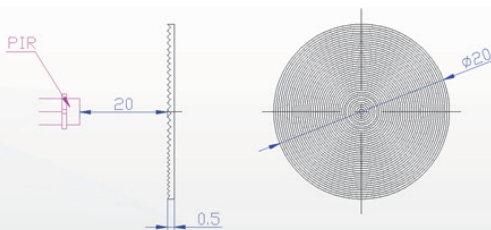
PF08-10B

FOCUS	8mm
ANGLE	
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



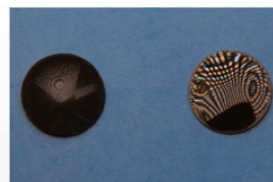
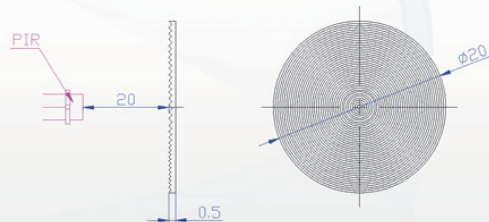
PF20-10WS

FOCUS	20mm
ANGLE	120°
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PF20-10B

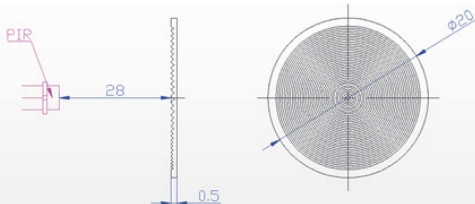
FOCUS	20mm
ANGLE	
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

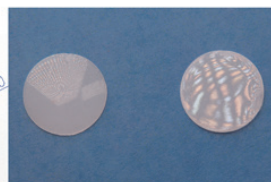
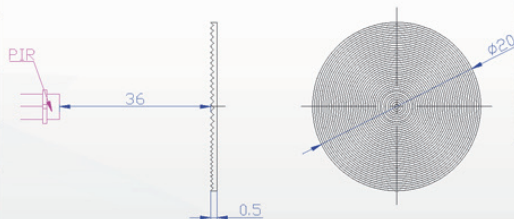
PF28-10W

FOCUS	28mm
ANGLE	
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



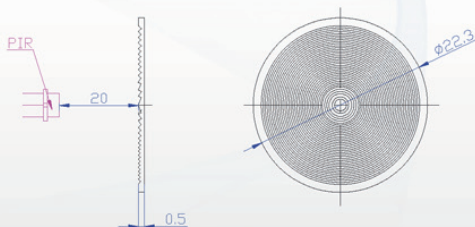
PF36-10W

FOCUS	36mm
ANGLE	
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PF20-10W

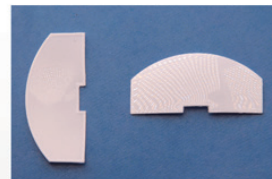
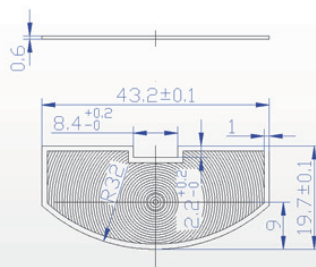
FOCUS	20mm
ANGLE	
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR seriesFresnel lens(Ver.3)

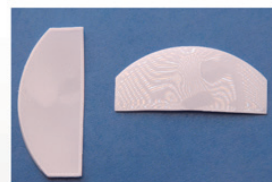
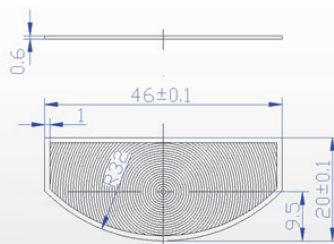
PF30-12012C

FOCUS	30mm
ANGLE	120°
LENGTH	12m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



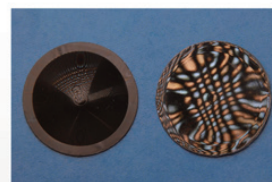
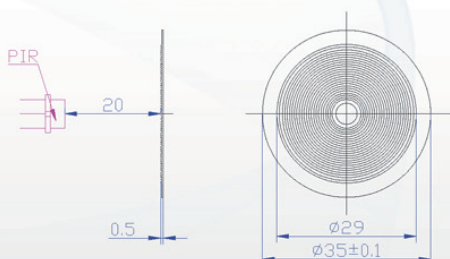
PF30-12012S

FOCUS	30mm
ANGLE	120°
LENGTH	12m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PF20-06015

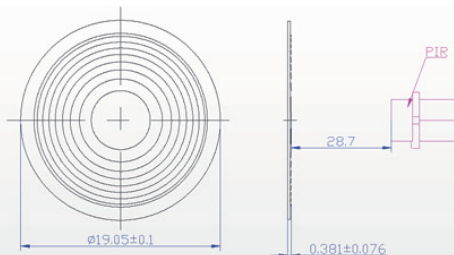
FOCUS	20mm
ANGLE	60°
LENGTH	15m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

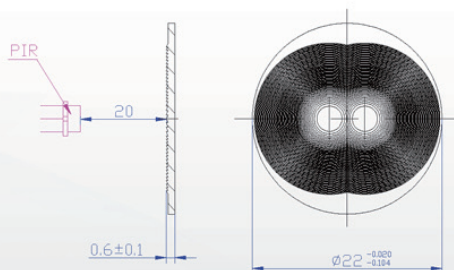
PF28

FOCUS	28.7mm
ANGLE	
LENGTH	
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



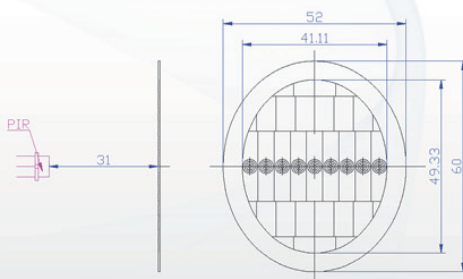
PF20-10

FOCUS	20mm
ANGLE	
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PF31-12012

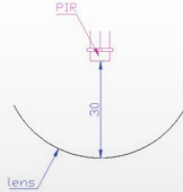
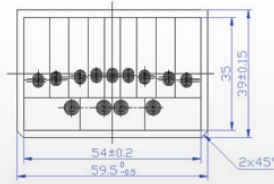
FOCUS	31mm
ANGLE	120°
LENGTH	12m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR seriesFresnel lens(Ver.3)

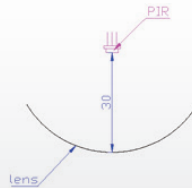
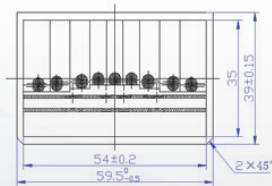
PF30-12012

FOCUS	30mm
ANGLE	120°
LENGTH	12m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



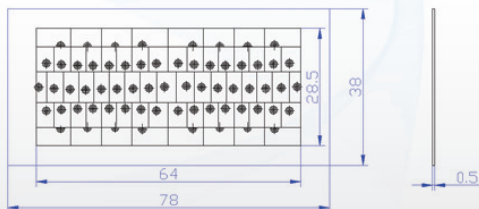
PF30-12012P

FOCUS	30mm
ANGLE	120°
LENGTH	12m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PF21-12015

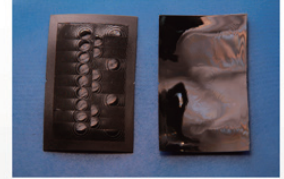
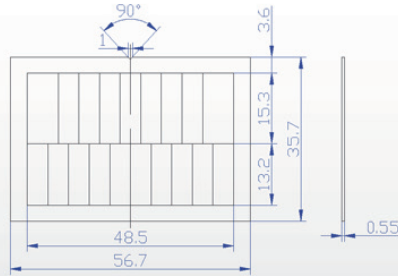
FOCUS	21mm
ANGLE	120°
LENGTH	15m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

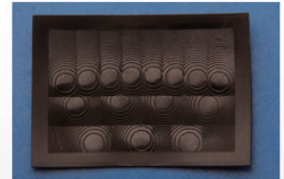
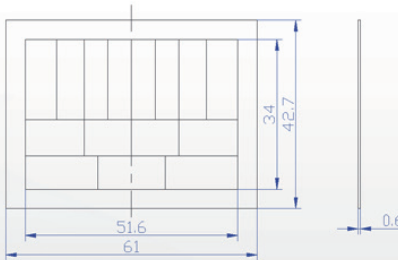
PF23-11012

FOCUS	23mm
ANGLE	110°
LENGTH	12m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



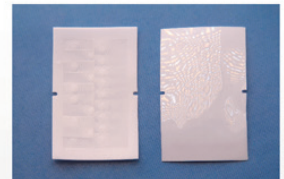
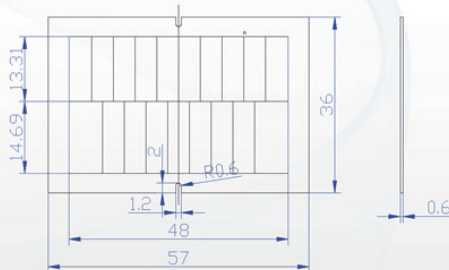
PF305-8324

FOCUS	30.5mm
ANGLE	83°
LENGTH	24m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PF22-10010

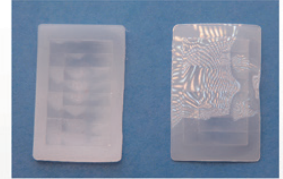
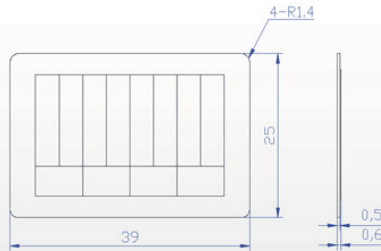
FOCUS	22mm
ANGLE	100°
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

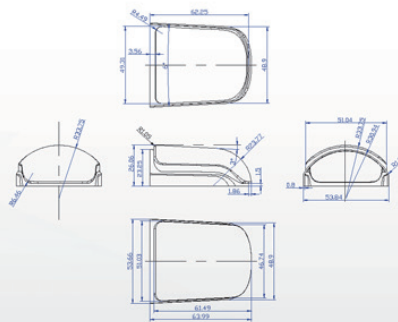
PF20-8907

FOCUS	20mm
ANGLE	89°
LENGTH	7m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



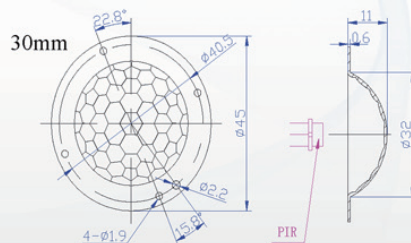
PD30-0000

FOCUS	30mm
ANGLE	
LENGTH	
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PD175-36005

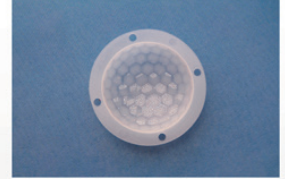
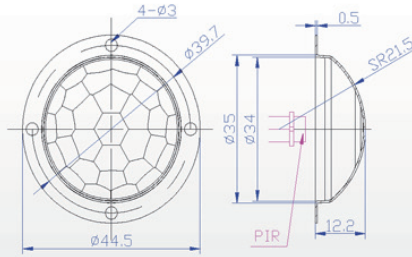
FOCUS	17.5mm
ANGLE	360°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

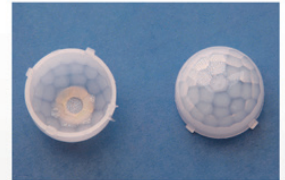
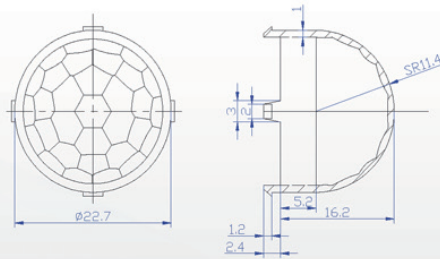
PD15-36005A

FOCUS	15mm
ANGLE	360°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



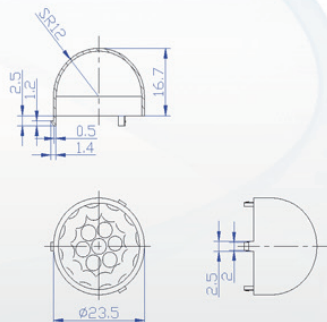
PD105-10005

FOCUS	10.5mm
ANGLE	100°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PD12-11612

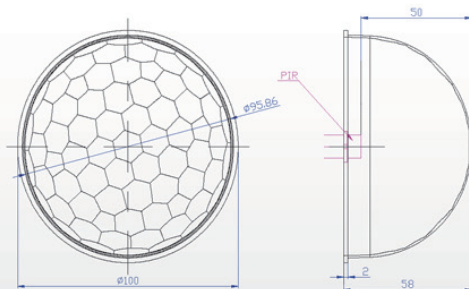
FOCUS	12mm
ANGLE	116°
LENGTH	12m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

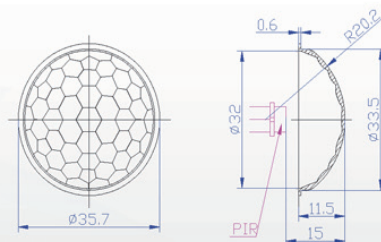
PD50-12008

FOCUS	50mm
ANGLE	120°
LENGTH	8m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



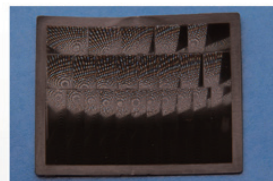
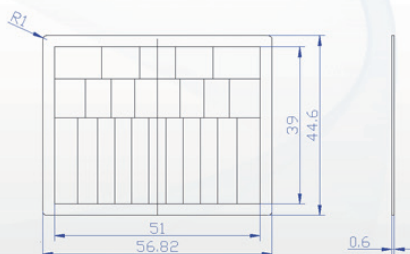
PD15-12010

FOCUS	15mm
ANGLE	120°
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PF297-79810R

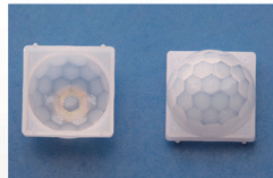
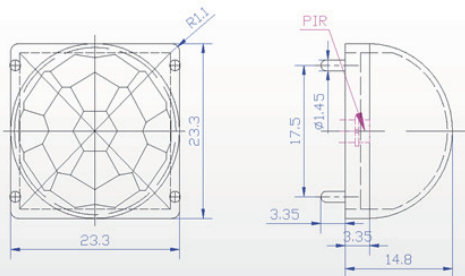
FOCUS	29.7mm
ANGLE	79.8°
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

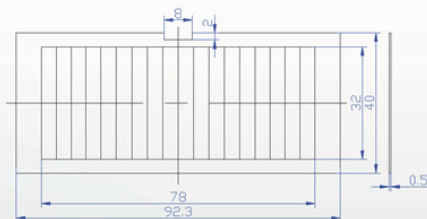
PD105-10010F

FOCUS	10.5mm
ANGLE	100°
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



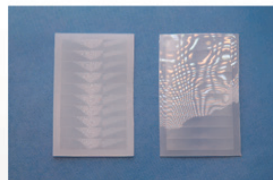
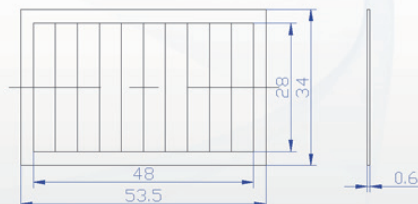
PF25-12012

FOCUS	25mm
ANGLE	120°
LENGTH	12m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PF25-9010

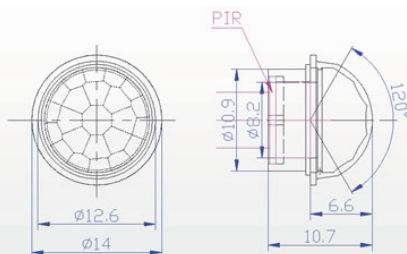
FOCUS	25mm
ANGLE	90°
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

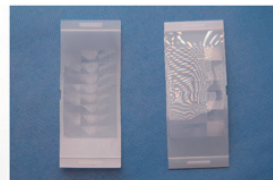
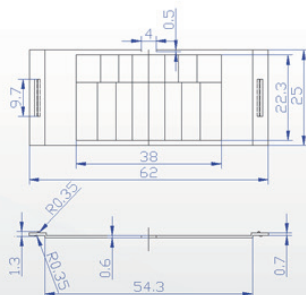
PD06-12008

FOCUS	6mm
ANGLE	120°
LENGTH	8m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



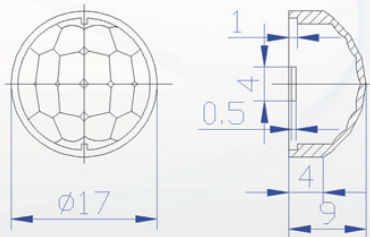
PF16-12012

FOCUS	16mm
ANGLE	120°
LENGTH	12m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PD05-9005

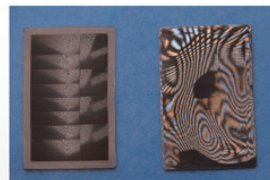
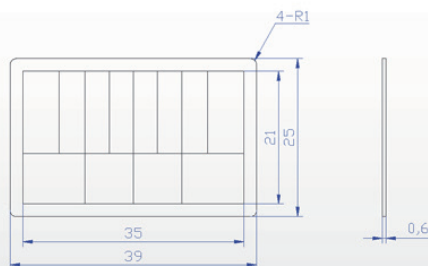
FOCUS	5mm
ANGLE	90°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

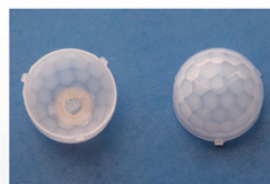
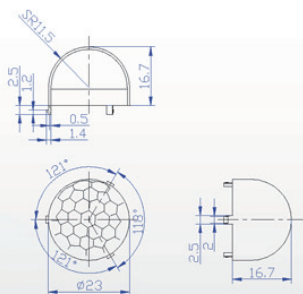
PF23-6020

FOCUS	23mm
ANGLE	60°
LENGTH	20m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



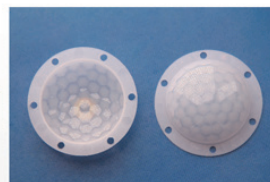
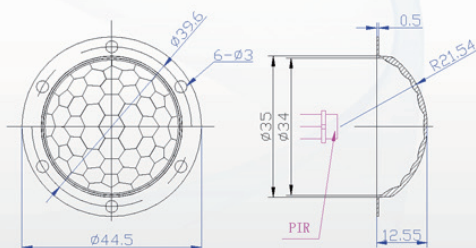
PD11-12010

FOCUS	11mm
ANGLE	120°
LENGTH	10m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PD15-36005B

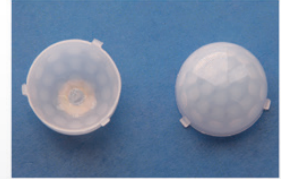
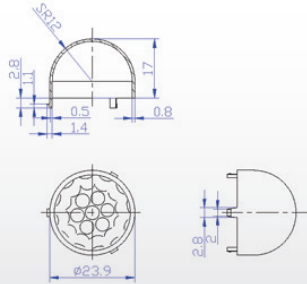
FOCUS	15mm
ANGLE	360°
LENGTH	5m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



PIR series Fresnel lens (Ver.3)

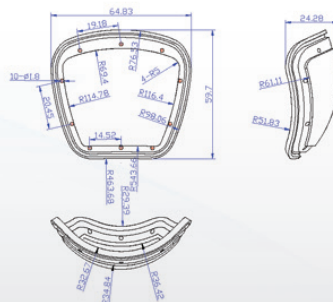
PD12-11607

FOCUS	12mm
ANGLE	116°
LENGTH	7m
MATERIAL	HDPE
UNIT	mm
TYPE	PIR



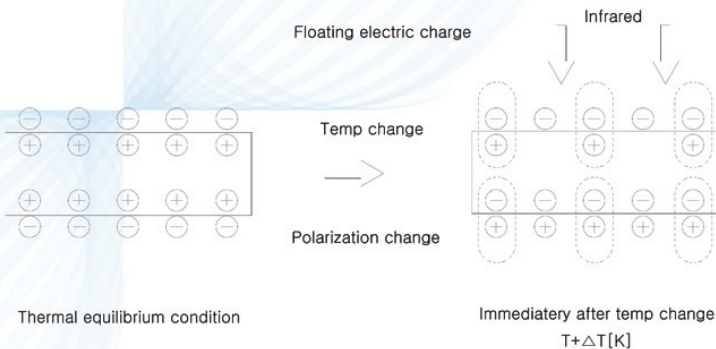
PD

FOCUS	
ANGLE	
LENGTH	
MATERIAL	HDPE
UNIT	mm
TYPE	PIR

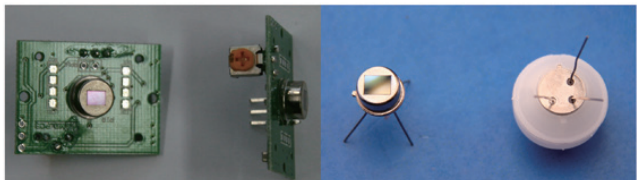
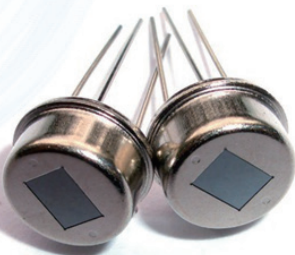


Pyroelectric Sensor (Motion Detector)

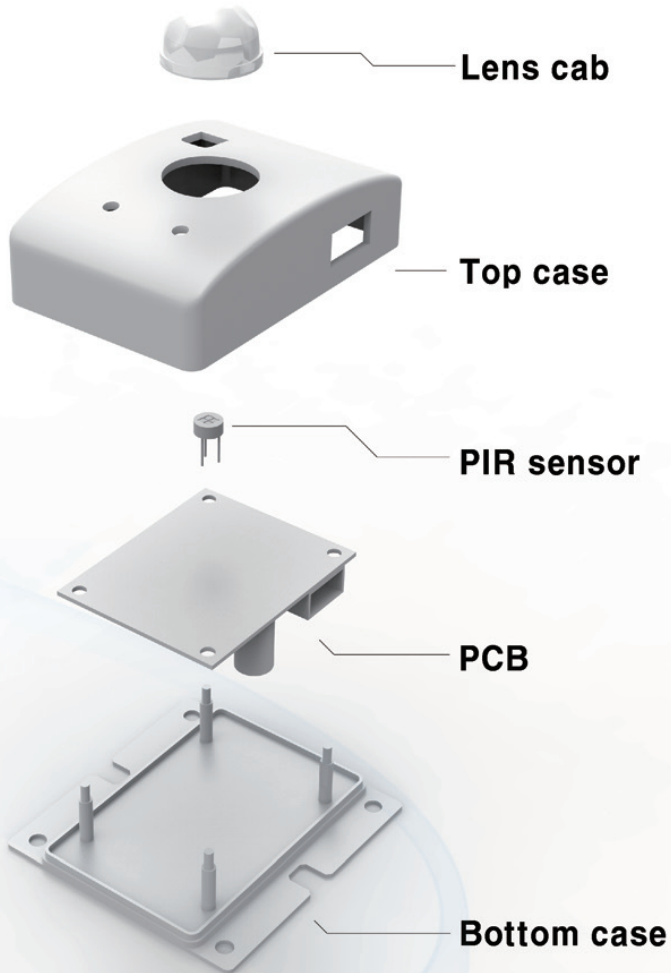
Some material's polar molecules can arrange themselves in order under specific conditions and generate spontaneous polarization. When the material undergoes temperature changes after absorbing infrared heat energy, the molecule state also changes and thereby leads to changes in the surface bound charge. This is what we call pyroelectric effect. Utilizing this effect, and matching it with different process structure and different infrared filters, the company has produced some types of pyroelectric sensors including single, double and four-element sensors that are highly sensitive and perceptive even for very weak infrared rays. As a result, the product is widely used in radiation measurement, automatic control and anti-intrusion and has brought about safety, convenience and comfort for people's work and life.



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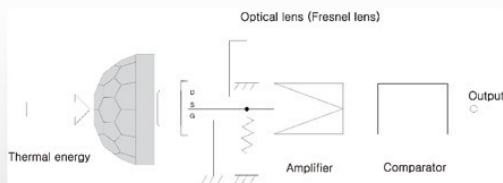
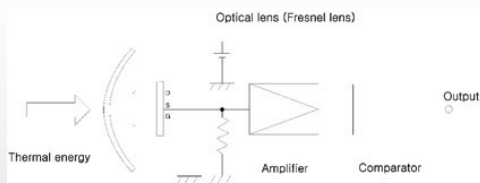
Pyroelectric Sensor



Pyroelectric Sensor

Every parts of motion sensor

We supply parts and module of Motion detector, using pyroelectric.
Motion detect sensor is consisted with PIR sensor, Fresnel lens cab, PCB and module.
Fresnel lens cab is the most import part that decide detect area and distance.
Customers can monitor, control and optimization to use our sensor.



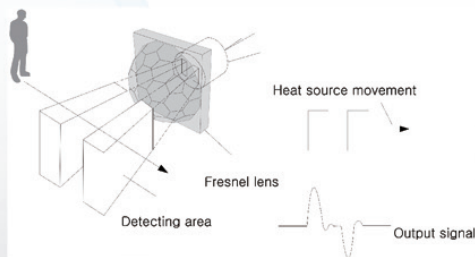
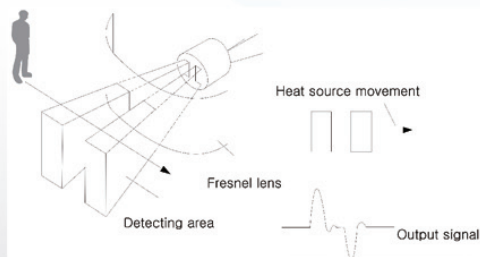
Supply PIR sensor

Dual element : RE200GE, PIR200B, LHI778, D203 and etc.

Quad element : RE46B, SBG446-671, LHI1128 and etc.

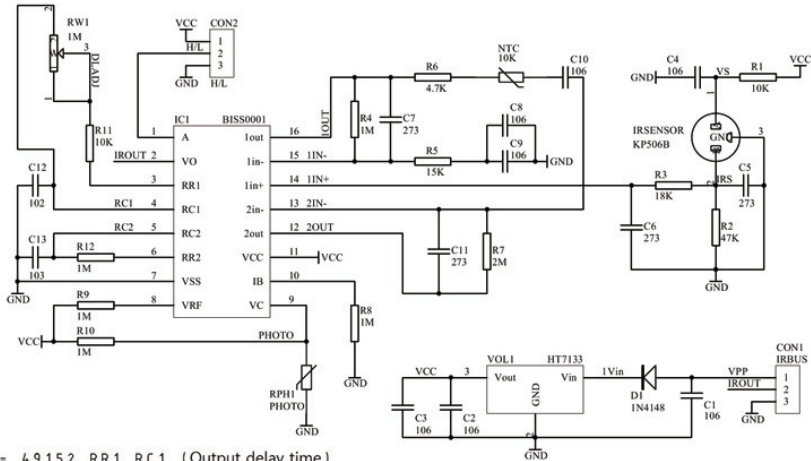
Authorized seller of Nippon Ceramic Co. Ltd.

Distributor of Perkin-Elmer and Senba Co. Ltd.,



Pyroelectric Sensor

Module Circuit diagram [example]



$T_x = 49152$ RR1 RC1 (Output delay time)
 $T_i = 24$ RR2 RC2 (Repeated trigger time)

Please contact us to develop Fresnel lens cab and to supply sensors.
 We have various customer in South Korea and global as well.
 Our specialty is Fresnel lens cab.

There are two way of developing.

Product from the shelf

- Quick and economic way.

Find solution more than 80 lenses that has different dimension and specs.

2. Design and mold

- Develop a product by customer needs.
- Typical delivery is 40days

