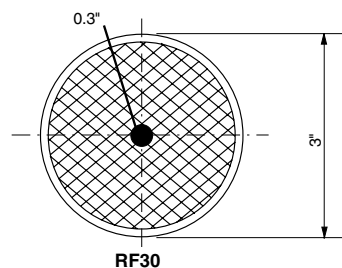
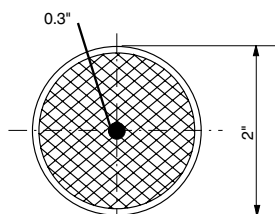


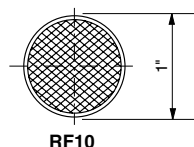
Photoelectric Sensors Reflectors Specifications



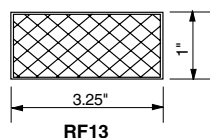
RF30



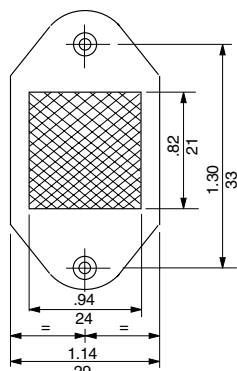
RF20



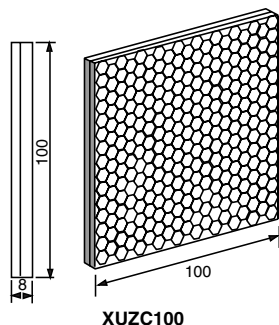
RF10



RF13



XUZC24



XUZC100

Corner cube reflectors used with retroreflective photoelectric sensors provide a high degree of reliability since they return the light to its source even if the reflector and the switch are skewed quite significantly in respect to each other. Corner cube reflectors also have the only reflective surface that works with polarized photoelectric sensors. The nominal sensing distance for every retroreflective switch model in this catalog was established using a 3" RF30 reflector. Smaller reflectors will result in shorter sensing distances. They are used to detect smaller targets comparable with their dimension. The **standard reflectors present a "blind spot"** at about 10% of the sensing distance. Special reflectors **XUZC24/50** are designed to eliminate this inconvenience and **allow the reflector to come as close as touching the sensor lenses**. RF30 and RF20 models can be mounted via a bolt. RF10 models can be mounted using a bezel or plate (not provided) or using its own adhesive tape. Rectangular shaped reflectors increase sensing precision. They are also easier to mount side-by-side to increase the reflective surface.

Reflective tape can be used for covering unusually shaped targets. It is not a corner cube reflector. Only Super reflective tape is a corner cube reflector. It can also be used with polarized retroreflective sensors.

Reflectors

Description	Reflectivity	Temperature Rating	Catalog Number
3" diameter, acrylic lens	4000X	150° F (65° C)	RF30
2" diameter, acrylic lens	4000X	150° F (65° C)	RF20
1" diameter, acrylic lens	4000X	150° F (65° C)	RF10
3.25" x 1.5", acrylic lens (orange)	4000X	150° F (65° C)	RF13
4" x 4" diameter, acrylic lens	4000X	150° F (65° C)	XUZC100
1.3" x 1.1" close proximity – acrylic	6000X	150° F (65° C)	XUZC24★
2" x 2" close proximity – acrylic	6000X	150° F (65° C)	XUZC50★
0.63" (16 mm)	4000X	150° F (65° C)	XUZC16
0.83" (21 mm)	4000X	150° F (65° C)	XUZC21
1.22" (31 mm)	4000X	150° F (65° C)	XUZC31
1.53" (39 mm)	4000X	150° F (65° C)	XUZC39
3.15" (80 mm)	4000X	150° F (65° C)	XUZC80

★ Note: XUZ C24/50 reflectors must always be mounted in the vertical plane with respect to the optical axis of the switch.

Retroreflective Tape

Description	Typical Luminance Factor ^① (Perpendicular Reading)	Temperature	Catalog Number
Photoelectric grade sheeting with adhesive backing^②			
3" wide, 1' long ^③	200X	200° F (93.4° C)	RF7590
High intensity sheeting with adhesive backing - vinyl sealed^②			
3" wide, 1' long ^③	670X	150° F (65.6° C)	RF3870
High gain sheeting with adhesive backing - porous surface^②			
2" wide, 1' long ^③	900X	175° F (79.5° C)	RF7610

Super Reflective Tape – corner cube type, adhesive backing

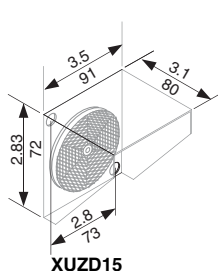
Can be used with polarized retroreflective systems

Description	Typical Luminance Factor ^① (Perpendicular Reading)	Temperature	Catalog Number
1" wide, 3' long	2000X	140° F (60° C)	XUZB11
1" wide, 16' long	2000X	140° F (60° C)	XUZB15

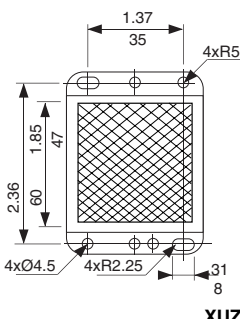
① Expressed as times brighter than a perfectly diffusing white surface.

② Not suitable for polarized models.

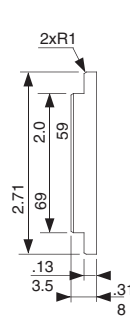
③ Also available in 10', 50' and 100' lengths.



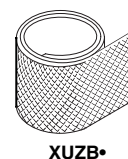
XUZD15



XUZC50



Dual Dimensions inches
mm



XUZB•



XUZC••