

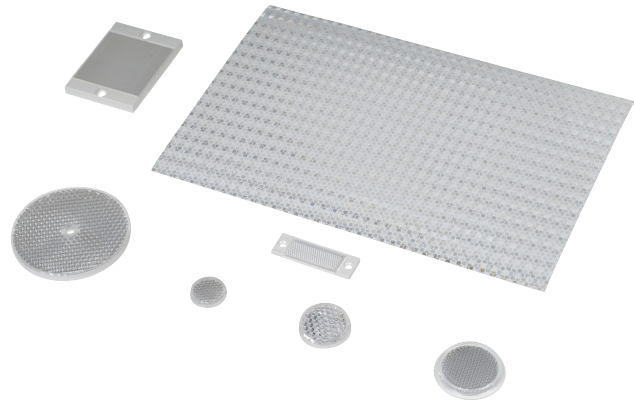
# Reflectors

## RL Series Reflectors for Polarized Reflective Photoelectric Sensors (All Models)

- Suitable for use with polarized light photoelectric sensors
- Shapes and sizes for most applications
- Miniature types for close mounting in multiple sensor installations
- Single hole, dual hole and self-adhesive mounting types available
- Single and 10-packs available

### Installation Notes

- Keep the reflector surface clean to ensure peak detection performance. This is especially true when the maximum sensing range is being used. Clean using a damp cloth.
- When selecting a reflector, it is important to consider the ambient conditions it will be exposed to. Dusty or high humidity conditions may reduce the sensing range as much as 90%.
- Reflectors should be positioned at a 90° angle to the optical axis with a tolerance of ±15°.



Specifications							
Part number	Price	Quantity	Dimensions	Degree of Protection	Mounting	Materials	
<b>RL102</b>	\$38.00	<b>10 per pack</b>	25mm	IEC IP67	Customer-supplied adhesive or other mounting method required	Reflective face: PMMA Polymethylmethacrylate (acrylic) Base material: ABS (Acrylonitrile-butadiene-styren)	
<b>RL102-1</b>	\$3.75	<b>1 per pack</b>	[0.98 in]				
<b>RL103</b>	\$43.50	<b>10 per pack</b>	34.5 mm				
<b>RL103-1</b>	\$4.25	<b>1 per pack</b>	[1.36 in]				
<b>RL104</b>	\$43.50	<b>10 per pack</b>	46mm				
<b>RL104-1</b>	\$4.25	<b>1 per pack</b>	[1.81 in]				
<b>RL105G</b>	\$38.00	<b>10 per pack</b>	95 x 38 mm		Two 4.3 mm holes		
<b>RL105G-1</b>	\$3.75	<b>1 per pack</b>	[3.74 x 1.50 in]				
<b>RL106G</b>	\$43.50	<b>10 per pack</b>	182 x 42 mm		Two 6mm holes		
<b>RL106G-1</b>	\$4.25	<b>1 per pack</b>	[7.17 x 1.65 in]				
<b>RL110</b>	\$19.50	<b>10 per pack</b>	84mm		One 5mm hole		
<b>RL110-1</b>	\$2.00	<b>1 per pack</b>	[3.31 in]				
<b>RL116</b>	\$19.50	<b>10 per pack</b>	41 x 60 mm		Two 3mm holes		
<b>RL116-1</b>	\$2.00	<b>1 per pack</b>	[3.54 x 2.36 in]				
<b>RL100DA4</b>	\$35.50	<b>1 per pack</b>	200 x 300 mm		Self-adhesive		Paper (Acrylic tape with micro prism)
<b>RL100DC4</b>	\$11.00	<b>1 per pack</b>	50 x 300 mm				
<b>RL100DQ1</b>	\$8.25	<b>1 per pack</b>	100 x 100 mm				
<b>RL111G</b>	\$56.00	<b>10 per pack</b>	22.5 x 47 mm	Two 3mm slots	Reflective face: PMMA Polymethylmethacrylate (acrylic) Base material: ABS (Acrylonitrile-butadiene-styren)		
<b>RL111G-1</b>	\$6.75	<b>1 per pack</b>	[0.89 x 1.85 in]				
<b>RL112G</b>	\$43.50	<b>10 per pack</b>	19 x 73 mm				
<b>RL112G-1</b>	\$4.25	<b>1 per pack</b>	[0.75 x 2.87 in]				
<b>RL113G</b>	\$49.50	<b>10 per pack</b>	51.4 x 60.3 mm				
<b>RL113G-1</b>	\$5.50	<b>1 per pack</b>	[2.02 x 2.37 in]	Two 4mm slots			

*Not recommended for applications involving moist air environments or water immersion.*

# Reflectors

## RL Series Reflectors for Polarized Reflective Laser Photoelectric Sensors (FALN series)

- Suitable for use with polarized light laser photoelectric sensors
- Sizes for most applications
- Miniature types for close mounting in multiple sensor installations
- Single and 5-packs available

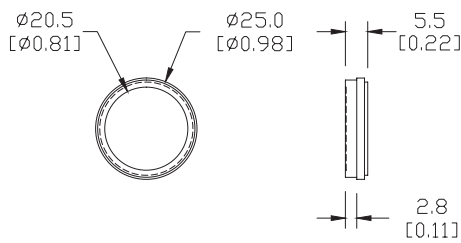
Specifications						
Part Number	RL201	RL201-1	RL203	RL203-1	RL204	RL204-1
Price	\$35.00	\$7.75	\$32.50	\$7.25	\$28.00	\$6.25
Quantity (per package)	5	1	5	1	5	1
Dimensions	60 x 82 mm 2.36 x 3.23 in		19 x 6 mm 0.75 x 2.36 in		20mm x 32mm 0.80 in x 1.26 in	
Degree of Protection <sup>1</sup>	IEC IP67					
Mounting	Two 0.4 mm holes		Two 0.4 mm holes		Two 0.3 mm holes	
Materials	Acrylic/polycarbonate					

<sup>1</sup> Not recommended for applications involving moist air environments or water immersion.

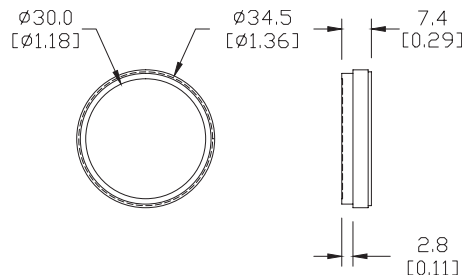
## Dimensions

mm [inches]

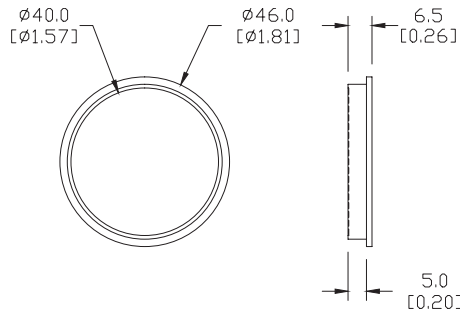
**RL102/RL102-1**



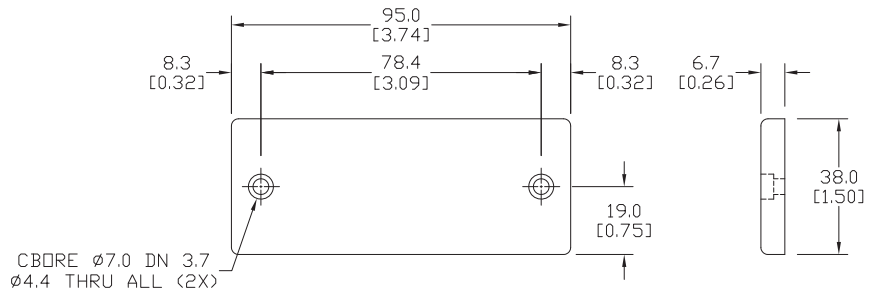
**RL103/RL103-1**



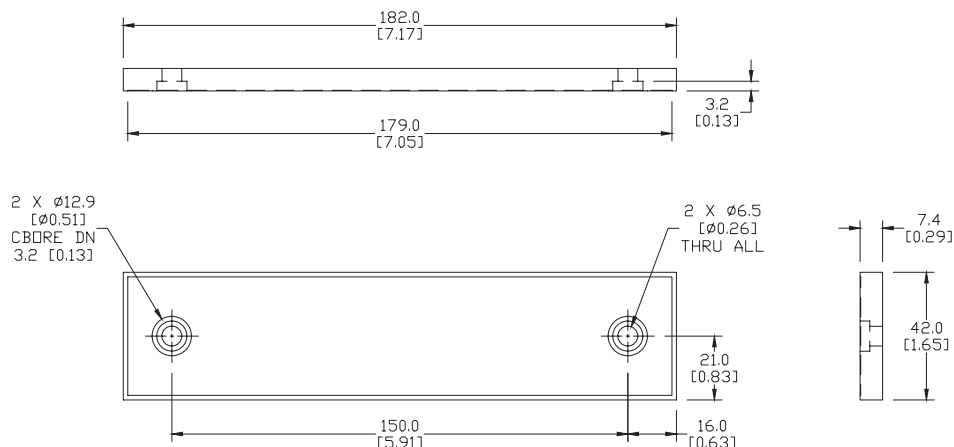
**RL104/RL104-1**



**RL105G/RL105G-1**



**RL106G/RL106G-1**



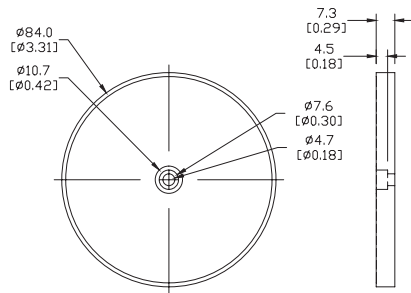
See our website: [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete engineering drawings

# Reflectors

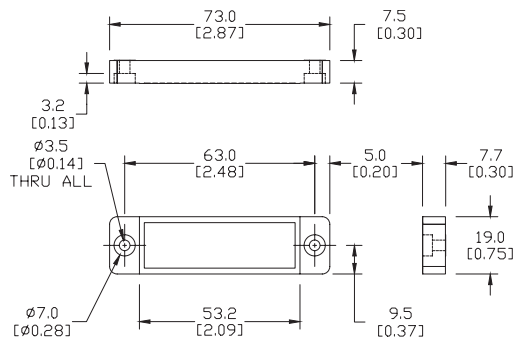
## Dimensions

mm [inches]

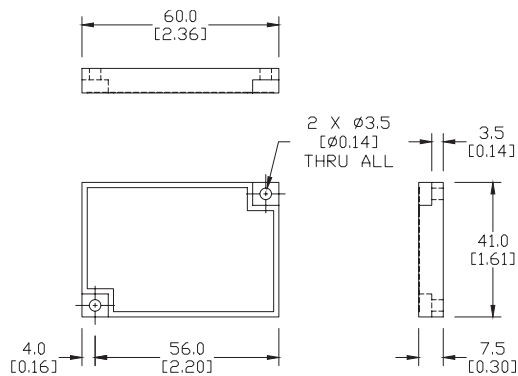
### RL110/RL110-1



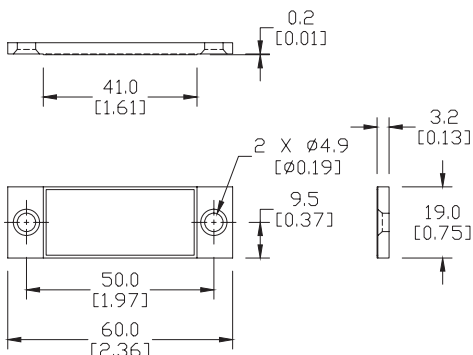
### RL112G/RL112G-1



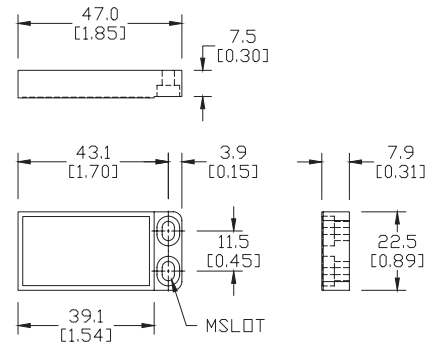
### RL116/RL116-1



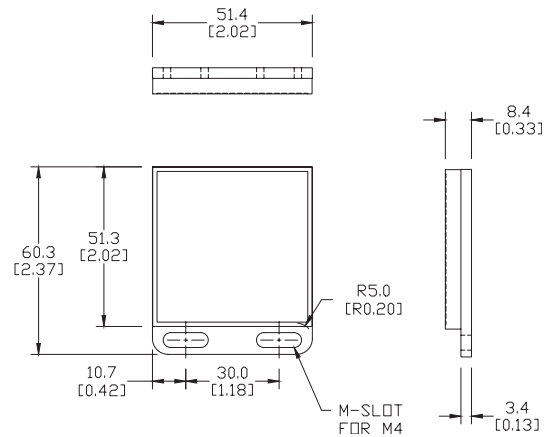
### RL203/RL203-1



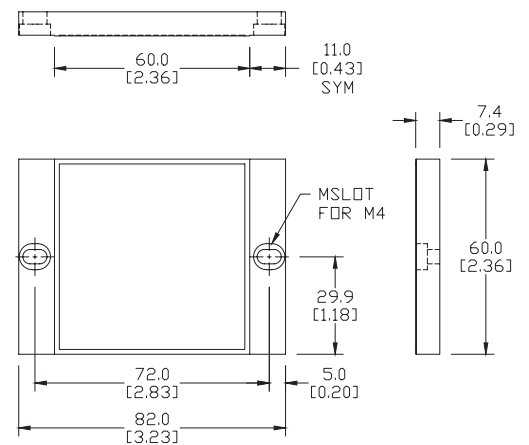
### RL111G/RL111G-1



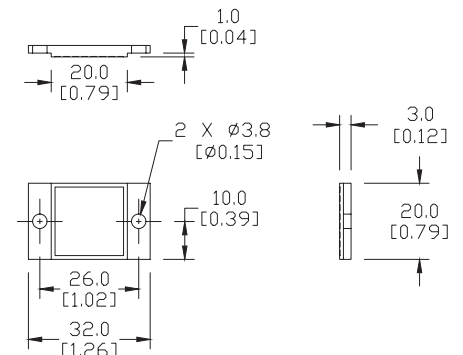
### RL113G/RL113G-1



### RL201/RL201-1



### RL204/RL204-1



See our website: [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete engineering drawings

# Reflectors

## Reflectors for Photoelectric Laser Sensors

Reflectors for OPT Series Photoelectric Sensors				
Part Number	Price	Description	Drawing Link	Weight lb (g)
<b>OPT2030</b>	\$12.50	Reflector, square, 100 x 100mm. For use with photoelectric laser sensors.	<a href="#">PDF</a>	0.20 (90.71)
<b>OPT2167</b>	\$13.00	Wenglor reflector, rectangular, 61 x 51.5mm. For use with OPT2137 & OPT2138.	<a href="#">PDF</a>	0.03 (13.60)

**Note:** OPT2015 requires purchase of OPT2030 reflector. <50m sensing distance requires 1 reflector. 50–100 m sensing distance requires 4 reflectors.



**OPT2167**



**OPT2030**