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12.7mm Dia., 10 Arcsec, Low Profile Bare Gold Replicated Hollow Metal Retroreflector



Replicated Hollow Metal Retroreflectors

Stock **#23-855** 20+ In Stock

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1

+

A\$632⁰⁰

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Volume Pricing	
Qty 1-9	A\$632.00 each
Qty 10-24	A\$587.76 each
Qty 25+	A\$537.20 each
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Product Downloads

General	
Retroreflector	Type:
Low Profile	Style:
Physical & Mechanical Properties	
10.16	Clear Aperture CA (mm):

12.70	Diameter (mm):
12.80	Height (mm):
+0.025/-0.051	Dimensional Tolerance (mm):
Optical Properties	
10	Beam Deviation (arcsec):
Bare Gold	Coating:
Aluminum	Substrate: ☐
60-40	Surface Quality:
Left-Handed	Image Orientation:
R _{avg} >94% @ 700 - 800nm R _{avg} >97% @ 800 - 2000nm R _{avg} >98% @ 2 - 12μm	Coating Specification:
180	Ray Deviation (°):
700 - 12000	Wavelength Range (nm):
Threading & Mounting	
M2 x0.4	Mounting Threads:
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

- Monolithic Aluminum Construction
- Return Beam Accuracy Unaffected by Vibration
- Bare Gold or Enhanced Aluminum Coating Options
- Low Profile Versions are Available

Replicated Hollow Metal Retroreflectors feature a monolithic aluminum construction and an integrated mount to provide return beam performance unaffected by vibration. These retroreflectors are offered with bare gold coatings applied to the first surface, maximizing their reflectivity in the infrared (IR), or enhanced aluminum coatings for optimal performance in the visible spectrum. Designed to have the entirety of their optical path in air, these retroreflectors do not require antireflection coatings for optimal performance and can be used over wider wavelength ranges than glass retroreflectors. Replicated Hollow Metal Retroreflectors are ideal for applications where an optical path through a glass prism is undesired, reduced weight is required, or where high shock and vibration levels are expected. The replication manufacturing process of these optics enables cost-effective designs while providing high performance beam return accuracy.

Technical Information



