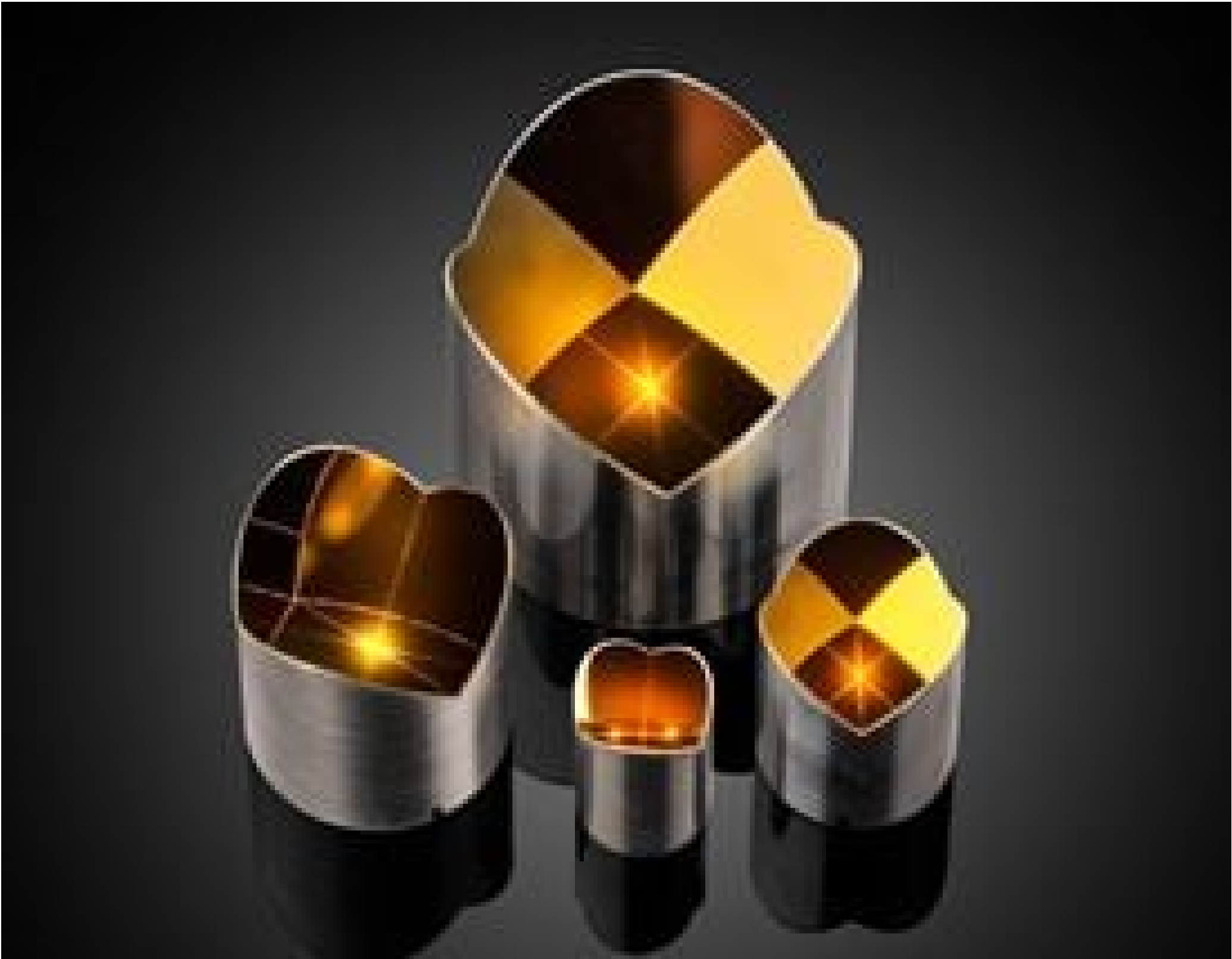


25.4mm Dia., 2 Arcsec, Low Profile Bare Gold Replicated Hollow Metal Retroreflector



Replicated Hollow Metal Retroreflectors

Stock **#23-856** 20+ In Stock

-

1

+

€710⁷⁰

ADD TO CART

Volume Pricing	
Qty 1-9	€710,70 each
Qty 10-24	€638,60 each
Qty 25+	€571,65 each
Need More?	Request Quote

! Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Retroreflector

Type:

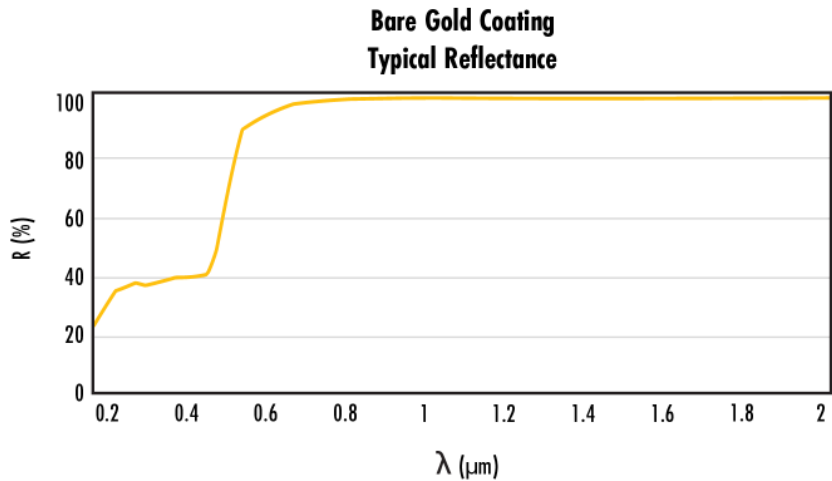
Style:		Low Profile
Physical & Mechanical Properties		
Clear Aperture CA (mm):		22.86
Diameter (mm):		25.40
Height (mm):		20.32
Dimensional Tolerance (mm):		+0.025/-0.051
Optical Properties		
Beam Deviation (arcsec):		2
Coating:		Bare Gold
Substrate: ☐		Aluminum
Surface Quality:		60-40
Image Orientation:		Left-Handed
Coating Specification:		R _{avg} >94% @ 700 - 800nm R _{avg} >97% @ 800 - 2000nm R _{avg} >98% @ 2 - 12μm
Ray Deviation (°):		180
Wavelength Range (nm):		700 - 12000
Threading & Mounting		
Mounting Threads:		M2 x0.4
Regulatory Compliance		
Certificate of Conformance:		View

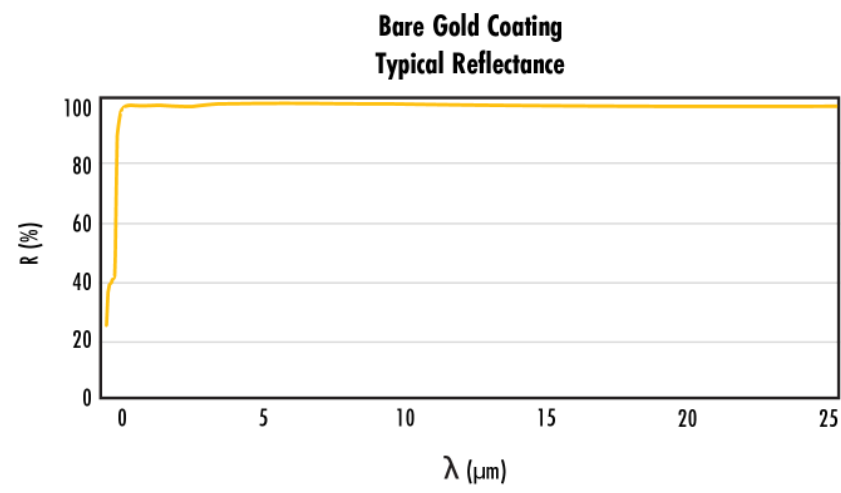
PRODUCT DETAILS

- Monolithic Aluminum Construction
- Return Beam Accuracy Unaffected by Vibration
- Bare Gold Coated for High Reflectivity in the Infrared
- 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 coated on their first surface with bare gold, maximizing their reflectivity in the infrared (IR). 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





REPLICATED HOLLOW METAL RETROREFLECTORS					
Diameter (mm)	Height (mm)	Mounting Threads	Coating	Stock No.	
				5 Arcseconds	10 Arcseconds
12.7	21.68	10-24	Bare Gold	#15-897	#15-898
19.1	26.17	10-24	Bare Gold	#15-899	#15-900
25.4	30.66	10-24	Bare Gold	#15-901	#15-902
38.1	39.64	10-24	Bare Gold	#15-903	#15-904

LOW PROFILE REPLICATED HOLLOW METAL RETROREFLECTORS						
Dimension A (mm)	Dimension B (mm)	Dimension C (mm)	Coating	Stock No.		
				2 Arcseconds	5 Arcseconds	10 Arcseconds
12.7	8.63	12.8	Bare Gold	N/A	#23-854	#23-855
25.4	21.69	20.32	Bare Gold	#23-856	#23-857	#23-858

M2x0.4
3.0mm
3PL EQ SP

Dimension B
φ Bolt Circle

3.81

Dimension C

Dimension A