105mm Dia x 145mm FL Cold Mirror Coated, Ellipsoidal Reflector

Precision Ellipsoidal Reflectors

Stock #90-974 2 In Stock

- 1 +

MRP ₹42,172

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-10	₹42,172 each
Qty 11-25	₹37,128 each
Qty 26-49	₹35,110 each
Need More?	Request Quote

Product Downloads

Zemax:zar | Zemax:zmx | Code V:seq | EO Spec Sheet

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General

Type:	Specialty Mirror

Physical & Mechanical Properties

Center Hole Diameter (mm):	27.0	**Height (mm):**	42.0
Inner Diameter (mm):	99	**Outer Diameter (mm):**	105.00 +0.0/-0.5

Optical Properties

Coating Type:	Metal	**Coating:**	Cold Mirror, 0°
Substrate: ⓘ	BOROFLOAT®	**Distance to Focal Point f_1 (mm):**	22
Distance to Focal Point f_2 (mm):	145		

Regulatory Compliance

Certificate of Conformance:	View		
Country of Origin:	Japan	**Imported By:**	Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038

Phone: +91-
80-6845 0000

Product Details

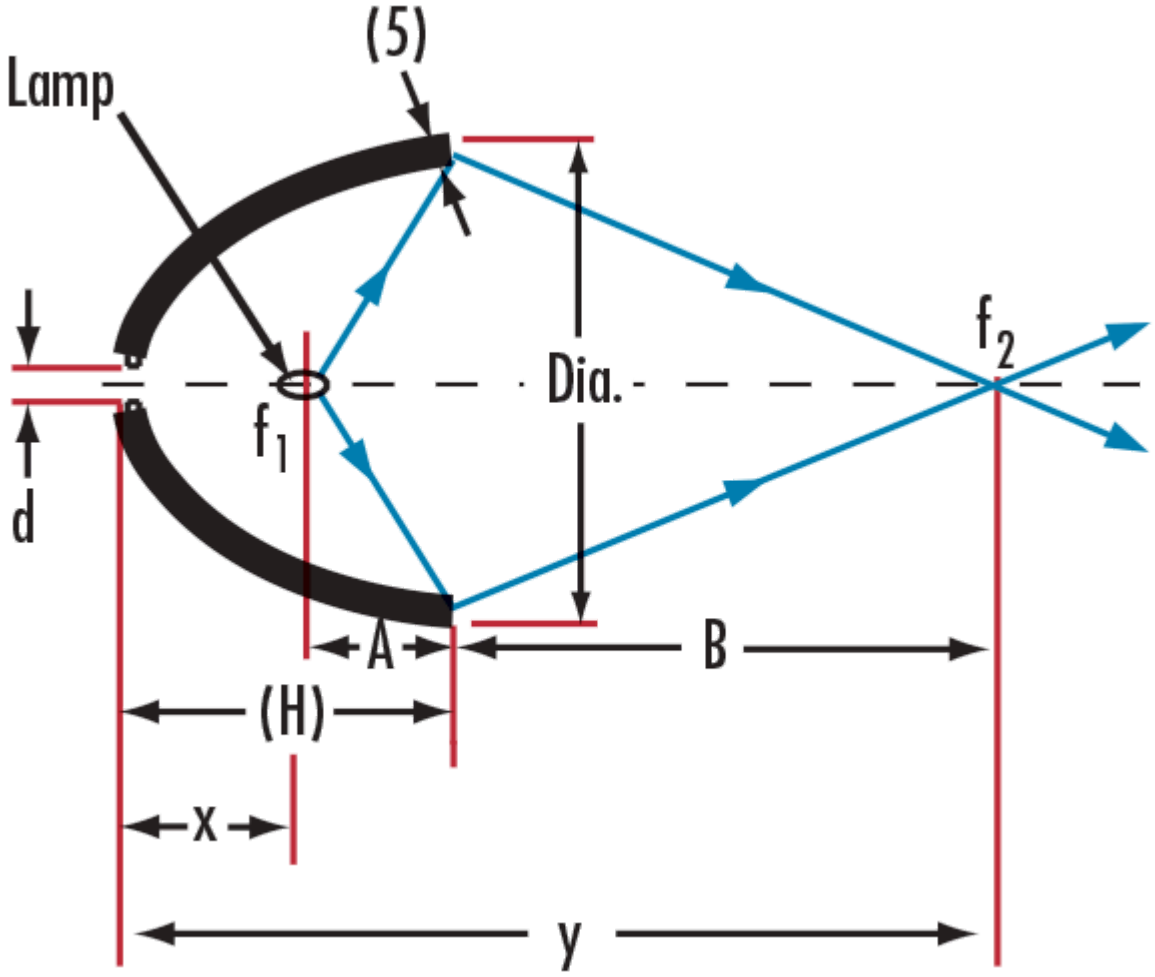
- Precision Polished Substrate
- Protected Aluminum and Cold Mirror Coating Options
- Ideal for Solar and Condensing Applications
- **Precision Parabolic Reflectors** Also Available

Precision Ellipsoidal Reflectors are ideal for simplifying system design and integration. By having two focal points, ellipsoidal mirrors eliminate the need for multiple focusing components within an assembly. When a light source is placed at the first focal point, the source will refocus at the second focal point. Precision Ellipsoidal Reflectors are available with two mirror coating options. The protected aluminum coating features broadband high reflection through the visible and IR spectra. The cold mirror coating reflects visible light while transmitting NIR, making it ideal for cold condensing applications.

Precision Ellipsoidal Reflectors are precision polished, yielding exact aspheric profiles. These mirrors offer improved thermal stability and superior focusing efficiency versus commercially available press-molded reflectors. Typical applications include use as steppers for PCB, LCD, or PDP production, solar simulators, fiber optic illuminators, and projectors.

Technical Information

Diameter	x	y	Hole Size d	Height H	A	B	Stock No.
64mm	11mm	78mm	18mm	44mm	31mm	36mm	#90-968
							#90-973
86mm	14mm	134mm	20mm	48mm	32mm	88mm	#68-797
							#68-800
105mm	22mm	145mm	27mm	42mm	20mm	103mm	#90-969
							#90-974
115mm	17mm	272mm	26mm	54mm	36mm	219mm	#68-798
							#68-801
128mm	18mm	288mm	31mm	67mm	50mm	220mm	#90-970
150mm	22.5mm	360mm	40mm	70mm	48mm	290mm	#90-971
							#68-802
220mm	40mm	440mm	60mm	90mm	53mm	347mm	#68-799
							#68-803
300mm	45mm	800mm	80mm	147mm	108mm	647mm	#90-972



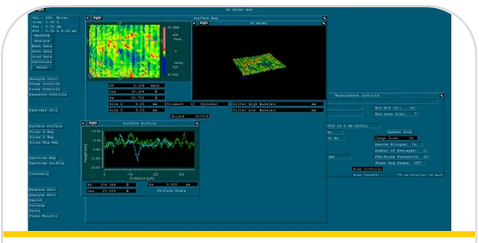
Resources

Media Type

- [ ] Application Note
- [ ] Video
- [ ] FAQ
- [ ] Glossary

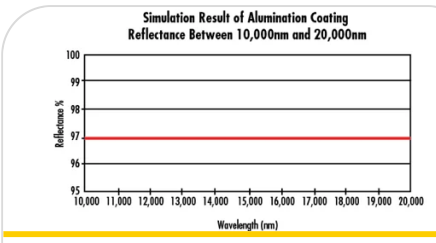
CASE STUDIES

Using IR Spectroscopy for Counterfeit Drug Detection



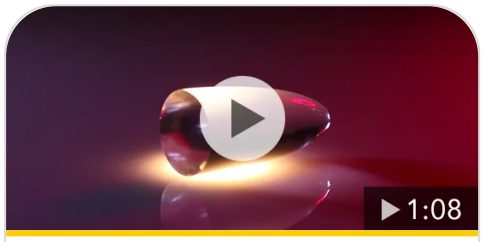
APPLICATION NOTE

Roughness of Diamond Turned Off-Axis Paraboli...



APPLICATION NOTE

Off-Axis Parabolic Mirror Selection...



VIDEO

Compound Parabolic Concentrators Review

? FAQ

I would like to use your Off-Axis Mirror in a laser...

? FAQ

How are your Off-Axis Parabolic Metal Mirrors...

View More

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