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105mm Dia x 145mm FL Alum. Coated, Ellipsoidal Reflector



Precision Ellipsoidal Reflectors

Stock **#90-969** [CONTACT US](#)

⊖ 1 ⊕ **S\$581⁰⁰**

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Volume Pricing	
Qty 1-10	S\$581.00 each
Qty 11-25	S\$511.00 each
Qty 26-49	S\$483.00 each
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General

Specialty Mirror **Type:**

Physical & Mechanical Properties

27.0 **Center Hole Diameter (mm):**

44.0 **Height (mm):**

99 Inner Diameter (mm):

105.00 +0.0/-0.5 Outer Diameter (mm):

Optical Properties

Metal Coating Type:

Protected Aluminum (400-700nm) Coating:

400 - 700 Wavelength Range (nm):

BOROFLOAT® Substrate:

R_{avg} >85% @400 - 700nm Coating Specification:

22 Distance to Focal Point f₁ (mm):

145 Distance to Focal Point f₂ (mm):

Regulatory Compliance

[View](#) Certificate of Conformance:

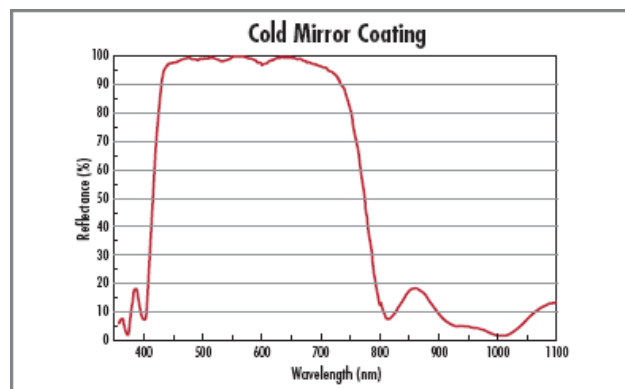
Product Details

- 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

