

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



Precision Ellipsoidal Reflectors

Stock **#90-974** **2 In Stock**

⊖ 1 ⊕ €520¹⁵

ADD TO CART

Volume Pricing	
Qty 1-10	€520,15 each
Qty 11-25	€458,35 each
Qty 26-49	€432,60 each
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! Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Specialty Mirror

Type:

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

Substrate:

BOROFLOAT®

Coating:

Cold Mirror, 0°

Coating Type:

Metal

Distance to Focal Point f_1 (mm):

22

Distance to Focal Point f_2 (mm):

145

Regulatory Compliance

Certificate of Conformance:

[View](#)

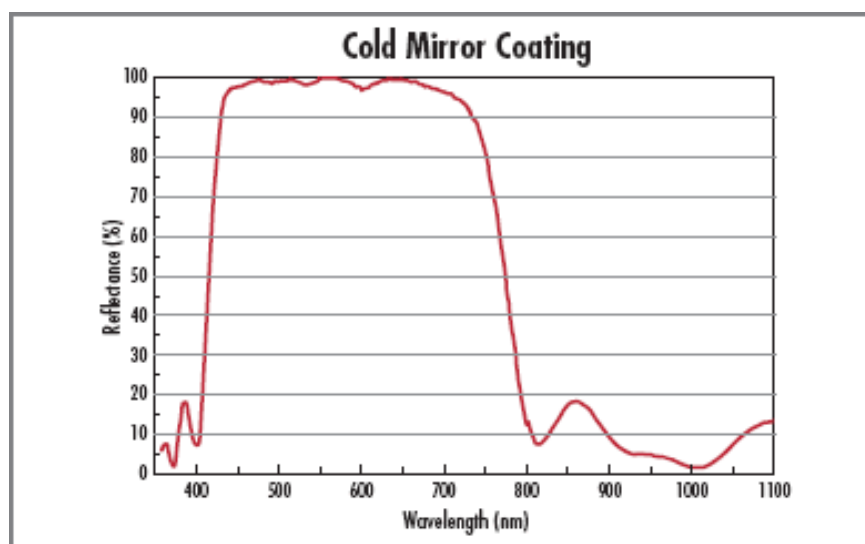
PRODUCT DETAILS

- 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

300mm

45mm

800mm

80mm

147mm

108mm

647mm

