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



Precision Ellipsoidal Reflectors

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

1 MRP ₹41,870

Price inclusive of all taxes

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-10 | ₹41,870 each |
| Qty 11-25 | ₹36,825 each |
| Qty 26-49 | ₹34,808 each |
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Product Downloads

General

Specialty Mirror **Type:**

Physical & Mechanical Properties

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

Height (mm):

44.0

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):**

Substrate: BOROFLOAT®

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:**

Japan **Country of Origin:**

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

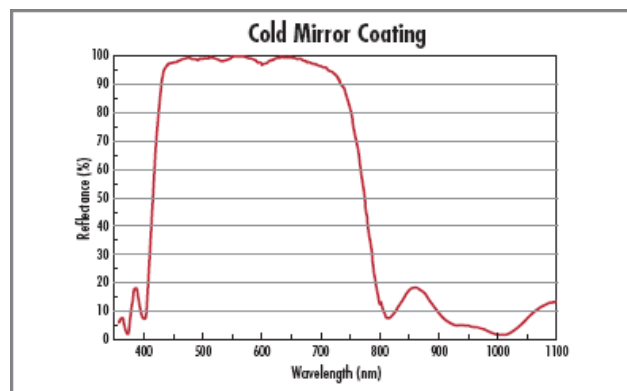
Product Details

- 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 |

