

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



Precision Ellipsoidal Reflectors

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

-

1

+

S\$569<sup>02</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | <b>S\$569.02</b> each         |
| Qty 11-25      | <b>S\$500.32</b> each         |
| Qty 26-49      | <b>S\$473.44</b> each         |
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Product Downloads

## SPECIFICATIONS

### 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

|                                                                                   |                                                                                              |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
|  | Substrate:  |
| Protected Aluminum (400-700nm)                                                    | Coating:                                                                                     |
| R <sub>avg</sub> >85% @ 400 - 700nm                                               | Coating Specification:                                                                       |
| Metal                                                                             | Coating Type:                                                                                |
| 400 - 700                                                                         | Wavelength Range (nm):                                                                       |
| 22                                                                                | Distance to Focal Point f <sub>1</sub> (mm):                                                 |
| 145                                                                               | Distance to Focal Point f <sub>2</sub> (mm):                                                 |

Regulatory Compliance

|                      |                             |
|----------------------|-----------------------------|
| <a href="#">View</a> | Certificate of Conformance: |
|----------------------|-----------------------------|

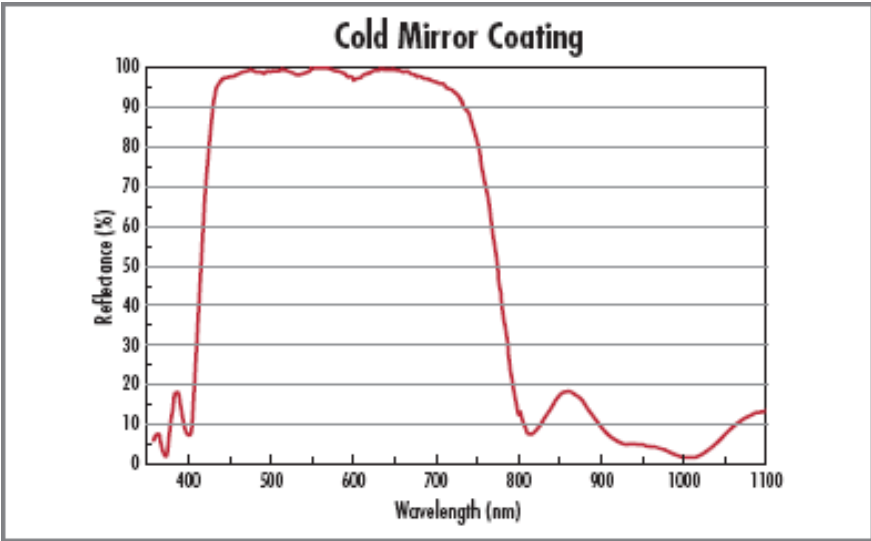
PRODUCT DETAILS

- 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  | <a href="#">#90-968</a> |
|          |      |       |             |          |      |       | <a href="#">#90-973</a> |
| 86mm     | 14mm | 134mm | 20mm        | 48mm     | 32mm | 88mm  | <a href="#">#68-797</a> |
|          |      |       |             |          |      |       | <a href="#">#68-800</a> |
| 105mm    | 22mm | 145mm | 27mm        | 42mm     | 20mm | 103mm | <a href="#">#90-969</a> |
|          |      |       |             |          |      |       | <a href="#">#90-974</a> |
| 115mm    | 17mm | 272mm | 26mm        | 54mm     | 36mm | 219mm | <a href="#">#68-798</a> |
|          |      |       |             |          |      |       | <a href="#">#68-801</a> |
| 128mm    | 18mm | 288mm | 31mm        | 67mm     | 50mm | 220mm | <a href="#">#90-970</a> |

|       |        |       |      |       |       |       |                         |
|-------|--------|-------|------|-------|-------|-------|-------------------------|
| 150mm | 22.5mm | 360mm | 40mm | 70mm  | 48mm  | 290mm | <a href="#">#90-971</a> |
|       |        |       |      |       |       |       | <a href="#">#68-802</a> |
| 220mm | 40mm   | 440mm | 60mm | 90mm  | 53mm  | 347mm | <a href="#">#68-799</a> |
|       |        |       |      |       |       |       | <a href="#">#68-803</a> |
| 300mm | 45mm   | 800mm | 80mm | 147mm | 108mm | 647mm | <a href="#">#90-972</a> |

