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0.08X - 4X Opal Glass, Multi-Function Calibration Target



Stock #58-769 **1 In Stock**

- 1 + MRP ₹3,15,414

● Price inclusive of all taxes

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Volume Pricing

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| Qty 1-4 | ₹3,15,414 each |
| Qty 5+ | ₹2,99,771 each |
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General

Contents of Kit:

Foam Lined Case
Angled Support Base
Target on White Glass
Quick Reference Card

Physical & Mechanical Properties

Dimensions (mm):

Plate: 154 x 100

3.20 **Thickness (mm):**

±1.0 **Dimensional Tolerance (mm):**

0.05 **Parallelism (mm):**

Optical Properties

Evaporated Chrome **Coating:**

Opal Glass **Substrate:**

0.08X - 4X **Magnification:**

40-20 **Surface Quality:**

1/Winch **Surface Flatness (P-V):**

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

Compliant **Reach 240:**

United States **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

- Calibrates Systems from 0.08X to 4X
- Measures MTF, DOF, Resolution, FOV, and Distortion
- NIST Certificate of Accuracy Included

Designed to calibrate systems from 0.08X to 4X magnification, this Multifunction Calibration Target has the ability to test many parameters of a visual system at one time, allowing more useful information to be obtained with one target. Depth of Field can be measured for a number of resolutions, allowing measurements to be made that are useful for each particular application. System MTF can be measured with frequencies from 5 lp/mm to 80 lp/mm. The target consists of two framed, 100 x 166 x 1.5mm, glass plates with chrome deposit. The second plate has a circular and grid pattern to measure planar and tilted plane distortion. The pattern is designed to make use of the entire FOV without having to move the target between measurements of each parameter, and it is designed for very high accuracy. Detailed specifications and a certificate of compliance are included. Set [#58-770](#) includes both opal and standard chrome on glass targets.

Technical Information

| Tested Parameter | Pattern Size | Pattern Description |
|------------------|--------------|--|
| Resolution/MTF | 154 x 100mm | 11 cycles of 5 to 40 to 5 lp/mm |
| Resolution/MTF | 21.8 x 28mm | 50 lp/mm |
| Resolution/MTF | 21.8 x 26mm | 60 lp/mm |
| Resolution/MTF | 21.9 x 24mm | 70 lp/mm |
| Low Mag DOF | 100 x 154mm | 80 lp/mm |
| FOV/DOF | 154mm | Linear Scale, 0-154mm, 0.25mm pitch |
| Distortion | 80 x 80mm | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, & 90mm Diameter Circles |
| Distortion | 80 x 80mm | 1, 2 & 4mm Pitch |
| Blooming | 115 x 20mm | Positive and Negative Circles & Squares |