

308 nm Excimer Laser Mirrors for 0° Incidence

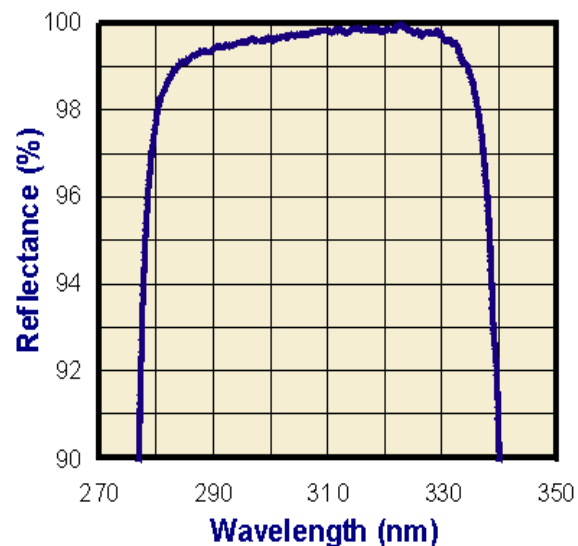
These high performance mirrors are intended for general purpose beam steering tasks in XeCl excimer laser based applications and systems.

Advantages

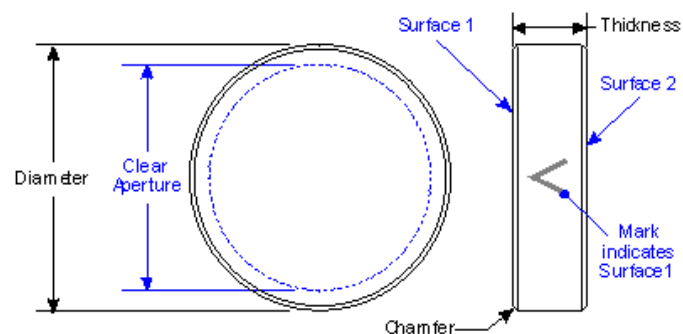
- High reflectivity
- Superior laser damage resistance
- Excellent mechanical durability

Common Specifications

| | |
|------------------------------|--------------------------------------|
| Chamfer | 0.50 mm at 45° |
| Clear Aperture | 85% |
| Diameter Tolerance | +0.00, -0.13 mm |
| Front Surface Flatness | $\lambda/10$ at 633 nm |
| Material | Fused Silica |
| Rear Surface | Commercial Polish |
| Surface Quality | 10-5 |
| Thickness Tolerance | ± 0.25 mm |
| Wedge | <5 arc minutes |
| Surface 1 Flatness | $\lambda/10$ at 633 nm |
| Surface 1 Surface Quality | 10-5 |
| Surface 1 Coating | $\geq 99.5\%$ reflectivity at 308 nm |
| Surface 1 Angle Of Incidence | 0° |
| Surface 2 Flatness | Commercial polish |
| Surface 2 Surface Quality | Commercial polish |
| Surface 2 Coating | None |



| Part Number | Diameter | Thickness |
|-------------|----------|-----------|
| MR2520 | 25.4 | 9.525 |
| MR2560 | 50.8 | 9.5250 |



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