



DOE-LR7-x Diffractive Optical Element DOE 7 Parallel Lines



Features

- 7 Parallel Lines
- Substrate material: PET/PMMA
- DOE active area: 4x4 mm
- Design wavelength: 650 nm
- Minimum recommended beam diameter (FWHM): 2mm

DOE Specifications

| Parameters | Value |
|---------------------|-------------------|
| Field of View (FOV) | 31.7°x15.4° (HxV) |
| Zero Order | ≤ 1% |
| Substrate Material | PET, PMMA |

Notes:

1. Contrast: In the defined area, the ratio of the 95th percentile of the grayscale value over the median grayscale value of the background, $C = I_{95\%} / I_{\text{median}}$
2. Uniformity: The ratio of the grayscale value of the area at a given location to the grayscale value of the area in the center of the pattern, $U = I_{\text{each area}} / I_{\text{max of each area}}$

Ordering Information

| Part Number | Description |
|---------------|--|
| DOE-LR7-PET5 | Diffractive Optical Element DOE 7 Parallel Lines, 31.7°x15.4° at 650nm – PET - Dia. 5mm x T. 0.188mm |
| DOE-LR7-PMMA5 | Diffractive Optical Element DOE 7 Parallel Lines, 31.7°x15.4° at 650nm – PMMA - Dia. 5mm x T. 1mm |

Note: Specifications are subject to change without notice.