Precision Cylindrical Lens

Precision cylindrical lenses are designed for a variety of optical applications. Manufactured from high-quality optical materials, they feature a curved surface in one dimension to focus or expand light in a single axis.

Overview

Precision Cylindrical Lens

These precision cylindrical lenses are expertly manufactured from BK7 grade A optical glass, designed to provide superior optical performance. Featuring a curved surface in one dimension, they are specifically engineered to focus or expand light along a single axis. They are an ideal solution for demanding applications such as laser line generation, beam shaping, and sophisticated anamorphic imaging systems.

Optical Properties

Clear Aperture

85 %
Clear Aperture

Design Wavelength	632.8 nm
Design Index	1.5147

Physical Specifications

Material	BK7 grade A optical glass
Dimension Tolerance	+/- 0.2 mm
Bevel	0.25mm x 45deg

Quality & Tolerance

Surface Figure

Axis	Tolerance
x	lambda/2
y	2lambda

Surface Quality
60-40 S/D

Paraxial Focal Length Tolerance	+/- 2%
Centration	3 arc minutes

Rooms 05–15, 13A/F South Tower, World Finance Centre, Harbour City, 17 Canton Rd, Tsim Sha Tsui, Kowloon, Hong Kong