

# CALCIUM FLUORIDE PLANO-CONVEX LENS

38.1mm Ø X 160mm F.L. @ 3µm

MATERIAL: IR Grade CaF<sub>2</sub>

Diameter: 38.1mm (+0.1 / -0.2mm)  
Centre Thickness: 4.5mm (±0.1mm)  
Radius of Curvature 1: 68.16 (±2%)  
Radius of Curvature 2: Plano  
S/D: 60/40  
Edge thickness: 1.8mm (derived)

Effective F.L.	Back F.L.	Wavelength
157mm	154mm	0.633µm
159mm	156mm	1.064µm
163mm	160mm	3.0µm
171mm	167mm	5.0µm

Paraxial FL Tolerances ±2% to nearest mm  
EFL from thin lens formula. BFL is referenced from the lens surface.

029.221

Modifications		
Issue B	08/17	ET marked as derived. FL table
Issue A	11/06	KJM

<p><b>CRYSTRAN LTD</b> 1 Broom Road Business Park, Poole, BH12 4PA</p> <p>Title: CaF<sub>2</sub> Lens</p> <p><b>DRG # 38.1LENS160</b></p>
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