

# CALCIUM FLUORIDE BI-CONVEX LENS

27mm Ø X 50mm F.L. @ 3µm

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

Diameter: 27.0mm (±0.1mm)  
Centre Thickness: 6.4mm (±0.1mm)  
Radius of Curvature 1: 43.10 (±2%)  
Radius of Curvature 2: 43.10 (±2%)  
S/D: 60/40  
Edge thickness: 2.1mm (derived)

Effective F.L.	Back F.L.	Wavelength
51mm	48.7mm	0.633µm
51mm	49.2mm	1.064µm
53mm	50.5mm	3.0µm
55mm	52.8mm	5.0µm

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

LABF

Modifications		
Issue C	07/17	ET marked as derived. FL table
Issue B	05/14	KST
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>DRG # 27LENS50</p>
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