

# CALCIUM FLUORIDE BI-CONVEX LENS

50mm Ø X 80mm F.L. @ 5µm

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

Diameter: 50.0mm (±0.1mm)  
Centre Thickness: 19.9mm (±0.1mm)  
Radius of Curvature 1: 65.6 (±2%)  
Radius of Curvature 2: 65.6 (±2%)  
S/D: 60/40  
Edge thickness: 10mm (derived)

Effective F.L.	Back F.L.	Wavelength
79mm	72mm	0.633µm
80mm	73mm	1.064µm
82mm	75mm	3.0µm
86mm	78mm	5.0µm

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

4-0047 type

Modifications		
Issue C	08/17	ET marked as derived. FL table
Issue B	05/14	KST
Issue A	8/06	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 # 50LENS80</p>
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