

# CALCIUM FLUORIDE PLANO-CONVEX LENS

50mm Ø X 135mm F.L. @ 5µm

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

Diameter: 50.0mm (±0.1mm)  
Centre Thickness: 7.8mm (±0.1mm)  
Radius of Curvature 1: 57 (±2%)  
Radius of Curvature 2: Plano  
S/D: 60/40  
Edge thickness: 2mm (derived)

Effective F.L.	Back F.L.	Wavelength
132mm	126mm	0.633µm
133mm	128mm	1.064µm
136mm	131mm	3.0µm
143mm	137mm	5.0µm

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

*Crystran Stock*

Modifications		
Issue C	08/17	ET marked as derived. FL table
Issue B	05/14	KST
Issue A	1/06	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 # 50LENS135</b></p>
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