

# CALCIUM FLUORIDE PLANO-CONVEX LENS

40mm Ø X 150mm F.L. @ 3µm

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

Diameter: 40.0mm (±0.1mm)  
Centre Thickness: 4.1mm (±0.1mm)  
Radius of Curvature 1: 64.0 (±2%)  
Radius of Curvature 2: Plano  
S/D: 60/40  
Edge thickness: 1.0mm (derived)

Effective F.L.	Back F.L.	Wavelength
148mm	145mm	0.633µm
149mm	146mm	1.064µm
153mm	150mm	3.0µm
160mm	157mm	5.0µm

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

030.337

Modifications		
Issue C	08/17	ET marked as derived. FL table
Issue B	05/14	KST
Issue A	1/07	KJM

## CRYSTRAN LTD

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Title: CaF<sub>2</sub> Lens

DRG # 40LENS150