

Lightpath 7100341 | 20mm FL, f/1.2, Thermal Imaging Lens Assembly

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Effective Focal Length EFL (mm): 20.00
Substrate: ☐ Black Diamond™ BD-6
f/#: 1.2
Coating: BBAR (8000-12000nm)
Wavelength Range (nm): 8000 - 12000

Clear Aperture CA (mm): 17.00
Coating Specification: R _{avg} <0.75% @ 8000 - 12,000nm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 22.5
Compatible Window: Thickness: 0.70mm Material: Si
Construction: Matte Black Anodized Aluminum Housing
Index of Refraction n_d @ 10µm: 2.7816
Index of Refraction n_d @ 14µm: 2.7683
Index of Refraction n_d @ 4µm: 2.7978
Length (mm): 21.42
Lightpath Lens Code: 7100341
Mounting Threads: M19 x 0.5
Thermo-optic coefficient dn/dT: 30.5 x 10 ⁻⁶ @ 10µm
Working Distance (mm): 7.96
Front Diameter (mm): 25.40
Thread Length (mm): 6.50
Recommended Detector Format (H x V/Pixel Size): 640 x 512 / 10µm

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 233: Compliant