QIOPTIQ
Photonics for Innovation
An Excelitas Technologies Company

LINOS F-Theta-Ronar Lenses for 940 – 980 nm

The new F-Theta-Ronar series is based on the existing, classical and well-known F-Theta-Ronar designs. The new developed broad band coating allows operating conditions from 940 nm up to 980 nm with a high damage threshold. These lenses allow 14 mm to 30 mm full diameters. For best quality 14 mm to 20 mm beam diameters ($1/e^2$) are recommended.

Features

- Focal lengths ranging from 100 mm to 420 mm
- Broad band coating: 940-980 nm

Technical Data

- Full beam diameter up to 30 mm
- Max. entrance-beam diameter 20 mm
- Transmission ≥ 97 % at 940–980 nm
- Transmission ≥ 75 % at VIS-range
- Laser-damage threshold up to 6 J/cm² at 1064 nm, 10 ns, 100 Hz
- Includes interchangeable protective glasses

LINOS F-Theta-Ronar 940 - 980 nm

Focal length at 980 nm (mm)	Recommended entrance-beam diameter at $1/e^2$ (mm)	Recommended scan field (mm^2)	Full beam diameter (mm)	Scan field for full beam diameter (mm")	Mounting thread	Part No.
100	14	43 x 43	-	-	M85x1	4401-528-000-21
160	14	94 x 94	20	70 x 70	M85x1	4401-529-000-21
163	14	96 x 96	20	84 x 84	M76x1	4401-527-000-21
254	20	139 x 139	30	80 x 80	M85x1	4401-526-000-21
330	20	204 x 204	30	138 x 138	M85x1	4401-524-000-21
420	20	259 x 259	30	186 x 186	M85x1	4401-525-000-21

Subject to technical changes

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