



# F-Theta-Ronar Lenses for Blue Diode Laser

## LINOS F-Theta-Ronar Lenses for 440 - 460 nm

Qioptiq presents the new LINOS F-Theta-Ronar product series for blue laser light applications. They are specially designed for laser material processing of nonferrous metals as copper, aluminum or other high reflective materials. Due to significant higher absorption ratios in comparison to infrared laser light, these nonferrous materials can be processed more effectively.

Standing up to Qioptiq's high quality standards, this new high power design incloses excellent grade fused-silica material and a particular high-end broadband coating. The entrance apertures have been enlarged up to 30 mm. We have optimized the back reflection positions as well, and thus avoid refocusing on the mirror surfaces of almost all available scan heads.

### Features

- Optimized design for 450 nm wavelength
- Focal length 262 mm, further focal lengths coming soon
- High end broadband coating 440 - 460 nm
- Using leading-edge production technologies to ensure long-term optical stability

### Technical Data

- Entrance beam diameter up to 30 mm
- Low absorption lens design
- Transmission T (440 - 460 nm)  $\geq 96 \%$
- Lens material is exclusively made of fused-silica
- Diffraction limited design
- Includes interchangeable and coated fused-silica protective glasses

### LINOS F-Theta-Ronar lenses for 440 - 460 nm

Focal length (mm)	Entrance-beam diameter at 1/e <sup>2</sup> (mm)	Scan field (mm <sup>2</sup> )	Spot size (μm)	Part No.
262	20	128 x 128	11	4401-611-000-26
262	30	61 x 61	8	

- When using differing beam diameters then scan fields and spot size diameters can be modified.



### Contact

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