

THULITE

These high-resolution lenses for sensors up to 32 mm diagonal are robust and therefore ideal for demanding imaging applications even in harsh environment.



THULITE	Aperture	f' (mm)	Mount	Sensor Size (mm)	Type	Size D x L (mm x mm)	Weight (g)	Filter thread	ID
THULITE 2.8/35 M42X0.75	2.8	35	M42x0.75	2" (32mm)	standard	56 x 41.6	209	M43 x 0.75	1101847
THULITE 2.8/35 M42X1	2.8	35	M42x1	2" (32mm)	standard	56 x 41.6	209	M43 x 0.75	1101848
THULITE 2.8/35 TFL	2.8	35	TFL	2" (32mm)	standard	56 x 41.3	211	M43 x 0.75	1101846
THULITE 2.8/50 M42X0.75-LD	2.8	50	M42x0.75	2" (32mm)	standard	56 x 62	345	M43 x 0.75	1101279
THULITE 2.8/50 M42X0.75-SD	2.8	50	M42x0.75	2" (32mm)	standard	56 x 61.8	345	M43 x 0.75	1101280
THULITE 2.8/50 M42X1-LD	2.8	50	M42x1	2" (32mm)	standard	56 x 62	345	M43 x 0.75	1101281
THULITE 2.8/50 M42X1-SD	2.8	50	M42x1	2" (32mm)	standard	56 x 61.8	345	M43 x 0.75	1101282
THULITE 2.8/50 TFL-LD	2.8	50	TFL	2" (32mm)	standard	56 x 64.5	358	M43 x 0.75	1101276
THULITE 2.8/50 TFL-SD	2.8	50	TFL	2" (32mm)	standard	56 x 64.3	358	M43 x 0.75	1101277
THULITE 2.8/75 M42X0.75-LD	2.8	75	M42x0.75	2" (32mm)	standard	56 x 85	430	M46 x 0.75	1101707
THULITE 2.8/75 M42X0.75-SD	2.8	75	M42x0.75	2" (32mm)	standard	56 x 84.7	430	M46 x 0.75	1101708
THULITE 2.8/75 M42X1-LD	2.8	75	M42x1	2" (32mm)	standard	56 x 85	430	M46 x 0.75	1101709
THULITE 2.8/75 M42X1-SD	2.8	75	M42x1	2" (32mm)	standard	56 x 84.7	430	M46 x 0.75	1101710
THULITE 2.8/75 TFL-LD	2.8	75	TFL	2" (32mm)	standard	56 x 87.5	443	M46 x 0.75	1101705
THULITE 2.8/75 TFL-SD	2.8	75	TFL	2" (32mm)	standard	56 x 87.1	443	M46 x 0.75	1101706

HIGH PERFORMANCE FOR SENSORS UP TO 2"

Key Features:

- 2" (32mm) max. sensor size
- 3 focal lengths: 35mm, 50mm and 75mm
- Very high resolution down to 2.4µm pixel size
- Initial aperture: F2.8
- M42- and TFL-Mount lenses available
- Covering a wide working distance range

Typical applications:

- Machine Vision
- AOI (Automated Optical Inspection)
- 3D and 2D measurement
- Robotic Vision

THULITE LENSES FOR THE INDUSTRY

The high-resolution THULITE lenses are ideal for image processing applications that require the highest precision and quality. Their compact and robust design makes them reliable even in demanding environments. The optical design of the lenses prevents shadowing on chief ray angle sensitive sensors and the special broadband AR coating enables the use in the visible range from 400nm to 700nm as well as in the NIR range from 700nm to 1000nm.

THULITE lenses are designed for sensors up to 32mm diagonal, covering a wide range of applications. They deliver crisp images and precise results with resolutions down to 2.4µm. THULITE lenses offer flexible working distance adjustment, which is advantageous in different situations. Focal lengths of 35mm, 50mm and 75mm are available to meet your specific requirements. Compatibility with M42- and TFL-Mounts allows easy integration into existing systems. With a maximum aperture of F2.8, THULITE lenses offer excellent performance even in low-light conditions.

MORE INFORMATION

Discover the variety of our high quality lenses. For more technical details on the lenses and datasheets, please visit our website: www.schneiderkreuznach.com/thulite

