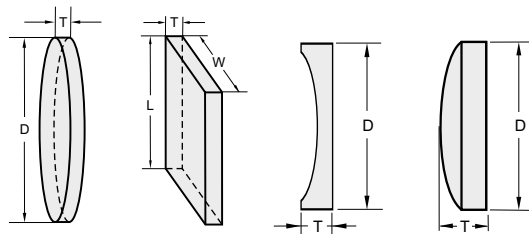


Protected Silver Mirrors

- LIDT – 0.25 J/cm² at 800 nm, 50 Hz, 94 fsec pulses*
- LIDT – 1.8 J/cm² at 1064 nm, 50 Hz, 11 nsec pulses*
- Average Reflection >97% for 400 nm – IR
- BK7, UVFS, Zerodur® substrates available
- Round, Square and Flat or Spherical Mirrors available
- OEM capabilities – please contact for special pricing
- Test samples are available on request

* Laser Induced Damage Threshold results are measured according to ISO 21254-2: 1000-on-1 test procedure.

Protected Silver (Ag) Mirrors feature higher reflectance than aluminium throughout the visible and near-infrared spectral region. Our protected silver mirrors has excellent durability.



Drawings of flat round, flat rectangular and spherical mirrors

Spherical Mirrors

Diameter, D = 25.4 mm, thickness (edge for plano-concave, center for plano-convex), T = 6.0 mm

Catalogue number	Substrate type	Radius, mm	Substrate material	Price, EUR
092-0125R-50	Plano-concave	-50	BK7	65
092-0125R-75	Plano-concave	-75	BK7	65
092-0125R-100	Plano-concave	-100	BK7	65
092-0125R-150	Plano-concave	-150	BK7	65
092-0125R-200	Plano-concave	-200	BK7	65
092-0125R-250	Plano-concave	-250	BK7	65
092-0125R-300	Plano-concave	-300	BK7	65
092-0125R-400	Plano-concave	-400	BK7	65
092-0125R-500	Plano-concave	-500	BK7	65
092-0125R-600	Plano-concave	-600	BK7	65
092-0125R-750	Plano-concave	-750	BK7	65
092-0125R-800	Plano-concave	-800	BK7	65
092-0125R-1000	Plano-concave	-1000	BK7	65
092-0125R-1500	Plano-concave	-1500	BK7	65
092-0125R-2000	Plano-concave	-2000	BK7	65
092-0125R-2500	Plano-concave	-2500	BK7	65
092-0125R-3000	Plano-concave	-3000	BK7	65
092-0125R-4000	Plano-concave	-4000	BK7	65
092-0125R-5000	Plano-concave	-5000	BK7	65
092-3125R-50	Plano-concave	-50	UV FS	80
092-3125R-75	Plano-concave	-75	UV FS	80
092-3125R-100	Plano-concave	-100	UV FS	80
092-3125R-150	Plano-concave	-150	UV FS	80
092-3125R-200	Plano-concave	-200	UV FS	80
092-3125R-250	Plano-concave	-250	UV FS	80
092-3125R-300	Plano-concave	-300	UV FS	80

Catalogue number	Substrate type	Radius, mm	Substrate material	Price, EUR
092-3125R-400	Plano-concave	-400	UV FS	80
092-3125R-500	Plano-concave	-500	UV FS	80
092-3125R-600	Plano-concave	-600	UV FS	80
092-3125R-750	Plano-concave	-750	UV FS	80
092-3125R-800	Plano-concave	-800	UV FS	80
092-3125R-1000	Plano-concave	-1000	UV FS	80
092-3125R-1500	Plano-concave	-1500	UV FS	80
092-3125R-2000	Plano-concave	-2000	UV FS	80
092-3125R-2500	Plano-concave	-2500	UV FS	80
092-3125R-3000	Plano-concave	-3000	UV FS	80
092-3125R-4000	Plano-concave	-4000	UV FS	80
092-3125R-5000	Plano-concave	-5000	UV FS	80
092-0225R+50	Plano-convex	+50	BK7	69
092-0225R+100	Plano-convex	+100	BK7	69
092-0225R+200	Plano-convex	+200	BK7	69
092-0225R+500	Plano-convex	+500	BK7	69
092-0225R+1000	Plano-convex	+1000	BK7	69
092-0225R+2000	Plano-convex	+2000	BK7	69
092-0225R+4000	Plano-convex	+4000	BK7	69
092-3225R+50	Plano-convex	+50	UV FS	85
092-3225R+100	Plano-convex	+100	UV FS	85
092-3225R+200	Plano-convex	+200	UV FS	85
092-3225R+500	Plano-convex	+500	UV FS	85
092-3225R+1000	Plano-convex	+1000	UV FS	85
092-3225R+2000	Plano-convex	+2000	UV FS	85
092-3225R+4000	Plano-convex	+4000	UV FS	85

Spherical Mirrors

Diameter, D = 50.8 mm, thickness (edge for plano-concave, center for plano-convex), T = 10.0 mm

Catalogue number	Substrate type	Radius, mm	Substrate material	Price, EUR
095-0125R-100	Plano-concave	-100	BK7	164
095-0125R-200	Plano-concave	-200	BK7	164
095-0125R-300	Plano-concave	-300	BK7	164
095-0125R-400	Plano-concave	-400	BK7	164
095-0125R-500	Plano-concave	-500	BK7	164
095-0125R-600	Plano-concave	-600	BK7	164
095-0125R-800	Plano-concave	-800	BK7	164
095-0125R-1000	Plano-concave	-1000	BK7	164
095-0125R-1500	Plano-concave	-1500	BK7	164
095-0125R-2000	Plano-concave	-2000	BK7	164
095-0125R-3000	Plano-concave	-3000	BK7	164
095-0125R-4000	Plano-concave	-4000	BK7	164
095-0125R-5000	Plano-concave	-5000	BK7	164
095-0125R-10000	Plano-concave	-10000	BK7	164
095-3125R-100	Plano-concave	-100	UV FS	189
095-3125R-200	Plano-concave	-200	UV FS	189
095-3125R-300	Plano-concave	-300	UV FS	189
095-3125R-400	Plano-concave	-400	UV FS	189
095-3125R-500	Plano-concave	-500	UV FS	189

Catalogue number	Substrate type	Radius, mm	Substrate material	Price, EUR
095-3125R-600	Plano-concave	-600	UV FS	189
095-3125R-800	Plano-concave	-800	UV FS	189
095-3125R-1000	Plano-concave	-1000	UV FS	189
095-3125R-1500	Plano-concave	-1500	UV FS	189
095-3125R-2000	Plano-concave	-2000	UV FS	189
095-3125R-3000	Plano-concave	-3000	UV FS	189
095-3125R-4000	Plano-concave	-4000	UV FS	189
095-3125R-5000	Plano-concave	-5000	UV FS	189
095-3125R-10000	Plano-concave	-10000	UV FS	189
095-0225R+100	Plano-convex	+100	BK7	163
095-0225R+200	Plano-convex	+200	BK7	163
095-0225R+300	Plano-convex	+300	BK7	163
095-0225R+400	Plano-convex	+400	BK7	163
095-0225R+500	Plano-convex	+500	BK7	163
095-3225R+100	Plano-convex	+100	UV FS	199
095-3225R+200	Plano-convex	+200	UV FS	199
095-3225R+300	Plano-convex	+300	UV FS	199
095-3225R+400	Plano-convex	+400	UV FS	199
095-3225R+500	Plano-convex	+500	UV FS	199

Flat Round Mirrors. Substrate type: plano-plano

Catalogue number	Diameter D, mm	Thickness T, mm	Substrate material	Price, EUR
091-0025	12.7	3.0	BK7	26
092-0025	25.4	6.0	BK7	39
095-0025	50.8	8.0	BK7	90
097-0025	76.2	12.7	BK7	180
091-3025	12.7	3.0	UV FS	36
092-3025	25.4	6.0	UV FS	44
095-3025	50.8	8.0	UV FS	130
097-3025	76.2	12.7	UV FS	215

Flat Rectangular Mirrors. Substrate type: plano-plano

Catalogue number	Width W, mm	Length L, mm	Thickness T, mm	Substrate material	Price, EUR
091-0325	15.0	20.0	6.0	BK7	36
092-0325	20.0	30.0	6.0	BK7	48
093-0325	25.4	25.4	6.0	BK7	46
094-0325	25.4	50.8	10.0	BK7	70
095-0325	50.8	50.8	10.0	BK7	100
091-3325	15.0	20.0	6.0	UV FS	50
092-3325	20.0	30.0	6.0	UV FS	66
093-3325	25.4	25.4	6.0	UV FS	64
094-3325	25.4	50.8	10.0	UV FS	105
095-3325	50.8	50.8	10.0	UV FS	145

RELATED PRODUCTS

Curved Windows. See page 1.7

Kinematic Mirror Mount 840-0010
See page 8.57



Adapter for Mirror at 45° 840-0115
See page 8.77



Non Standard Metal Coated Mirrors are available for fast off-the-shelf delivery. Check the availability at www.eksmaoptics.com

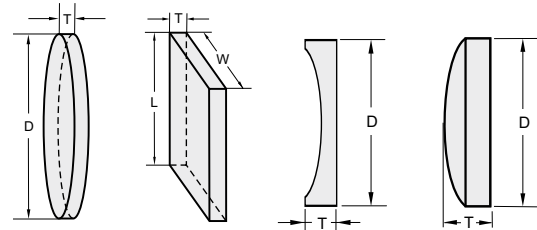


Protected Gold Mirrors

- LIDT – 1.0 J/cm² at 1064 nm, 50 Hz, 11 nsec pulses*
- Average Reflection >98% for 900 nm – IR
- BK7, UVFS, Zerodur® substrates available
- Round, Square and Flat or Spherical Mirrors available
- OEM capabilities - please contact for special pricing
- Test samples are available on request
- Bare Gold coated mirrors are available as an option

* Laser Induced Damage Threshold results are measured according to ISO 21254-2: 1000-on-1 test procedure.

Protected Gold (Au) Mirrors have the highest reflectance in infrared. Enhanced metallic coatings provide greater reflection across the operating bandwidth.



Drawings of flat round, flat rectangular and spherical mirrors

Flat Round Mirrors. Substrate type: plano-plano

Catalogue number	Diameter D, mm	Thickness T, mm	Substrate material	Price, EUR
091-0030	12.7	3.0	BK7	35
092-0030	25.4	6.0	BK7	43
095-0030	50.8	8.0	BK7	115
097-0030	76.2	12.7	BK7	210
091-3030	12.7	3.0	UV FS	45
092-3030	25.4	6.0	UV FS	48
095-3030	50.8	8.0	UV FS	155
097-3030	76.2	12.7	UV FS	245

Flat Rectangular Mirrors. Substrate type: plano-plano

Catalogue number	Width W, mm	Length L, mm	Thickness T, mm	Substrate material	Price, EUR
091-0330	15.0	20.0	6.0	BK7	55
092-0330	20.0	30.0	6.0	BK7	69
093-0330	25.4	25.4	6.0	BK7	65
094-0330	25.4	50.8	10.0	BK7	95
095-0330	50.8	50.8	10.0	BK7	130
091-3330	15.0	20.0	6.0	UV FS	69
092-3330	20.0	30.0	6.0	UV FS	87
093-3330	25.4	25.4	6.0	UV FS	83
094-3330	25.4	50.8	10.0	UV FS	130
095-3330	50.8	50.8	10.0	UV FS	175