

Broadband Laser Mirrors

Substrate: **BK7, grade A**. Laser damage threshold: 1 J/cm², 8 nsec pulse, 1064 nm typical.

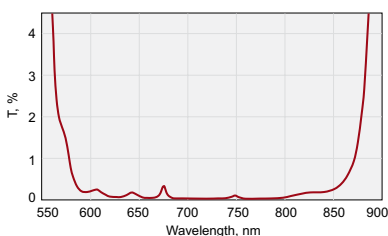
Wavelength, nm	Application	R, % (s+p)/2	Catalogue number (AOI=45°)			Price, EUR
			Ø12.7 × 3 mm	Ø25.4 × 6 mm	Ø50.8 × 8 mm	
360–440	Ti:Sa 2H	99	071-3644	072-3644	075-3644	89 / 107 / 151
420–540	Dye	99	071-4254	072-4254	075-4254	85 / 103 / 145
520–650	Dye	99	071-5265	072-5265	075-5265	85 / 103 / 145
600–850	Diode	99	071-6085	072-6085	075-6085	85 / 103 / 145
730–950	Ti:Sa	99	071-7395	072-7395	075-7395	86 / 104 / 147
800–1100	Diode, YAG	99	071-8011	072-8011	075-8011	86 / 104 / 147

Mirrors provided are of AOI=45°. Mirrors with AOI=0° can be ordered by adding **-i0** to catalogue number. The price remains the same as for AOI=45°. An example: **072-3644-i0**.

Substrate: **UV grade Fused Silica**. Laser damage threshold: 1 J/cm², 8 nsec pulse, 1064 nm typical.

Wavelength, nm	Application	R, % (s+p)/2	Catalogue number (AOI=45°)			Price, EUR
			Ø12.7 × 3 mm	Ø25.4 × 6 mm	Ø50.8 × 8 mm	
220–250	Spectroscopy	99	081-2225	082-2225	085-2225	145 / 165 / 264
260–380	Spectroscopy	99	081-2638	082-2638	085-2638	135 / 155 / 249
360–440	Ti:Sa 2H	99	081-3644	082-3644	085-3644	115 / 139 / 215
420–540	Dye	99	081-4254	082-4254	085-4254	110 / 128 / 214
520–650	Dye	99	081-5265	082-5265	085-5265	110 / 128 / 214
600–850	Diode	99	081-6085	082-6085	085-6085	110 / 128 / 214
730–950	Ti:Sa	99	081-7395	082-7395	085-7395	130 / 148 / 234
800–1100	Diode, YAG	99	081-8011	082-8011	085-8011	120 / 138 / 224

Mirrors provided are of AOI=45°. Mirrors with AOI=0° can be ordered by adding **-i0** to catalogue number. The price remains the same as for AOI=45°. An example: **082-2225-i0**.



071-6085. HR > 99% @ 600–850 nm

RELATED PRODUCTS

Broadband Low
GDD Ultrafast
Laser Mirrors

See page 5.5

Kinematic Mirror/
Beamsplitter Mounts
840-0056

See page 8.66



Broadband and Laser Line Mirrors for AOI from 0 to 45°

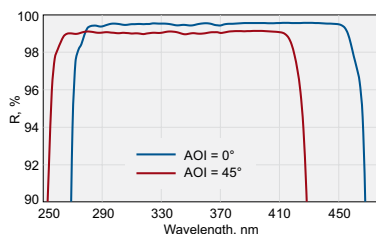


- **R_{avg} > 99% for (s+p)/2 polarization that operates at all angles of incidence from 0 to 45°**

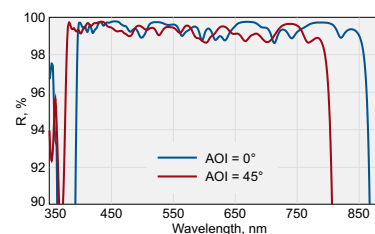
EKSMA OPTICS introduces broadband and laser line dielectric mirrors with high reflectance (greater than 99% over specified range minimum) that operate at all angles of incidence from 0° to 45°. Broadband and laser line mirrors are available for 280–400 nm, 349–355 nm, 400–750 nm, 524–532 nm, 532+1064 nm, 750–1100 nm, 1047–1064 nm wavelength ranges.

Laser Damage Threshold: >1 J/cm², 8 nsec pulse, 1064 nm typical

Wavelength, nm	AOI, deg	R, % (s+p)/2	Catalogue number		Price, EUR
			Ø12.7 × 3 mm	Ø25.4 × 6 mm	
280–400	0–45	99.0	081-2840-i0-45	082-2840-i0-45	77 / 98
343–355	0–45	99.5	–	042-0350-i0-45	– / 134
400–750	0–45	99.0	081-4075-i0-45	082-4075-i0-45	67 / 86
524–532	0–45	99.5	–	042-0530-i0-45	– / 114
532+1064	0–45	99.0	–	062-5306-i0-45	– / 181
750–1100	0–45	99.0	081-7511-i0-45	082-7511-i0-45	70 / 89
1047–1064	0–45	99.5	–	042-1060-i0-45	– / 128



081-2840-i0-45.
HR>99% @ 280–400 nm, AOI from 0 to 45°



081-4075-i0-45.
HR>99% @ 400–750 nm, AOI from 0 to 45°