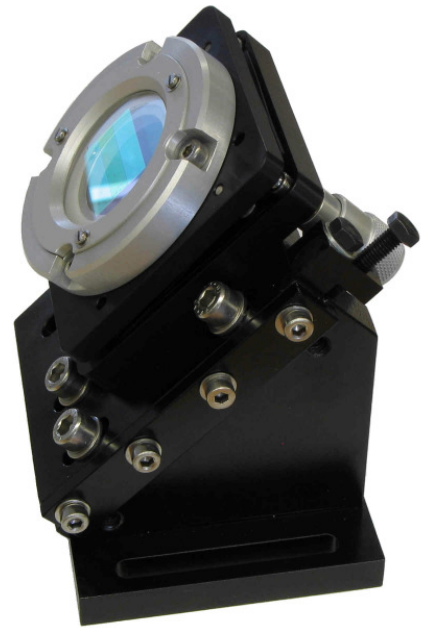
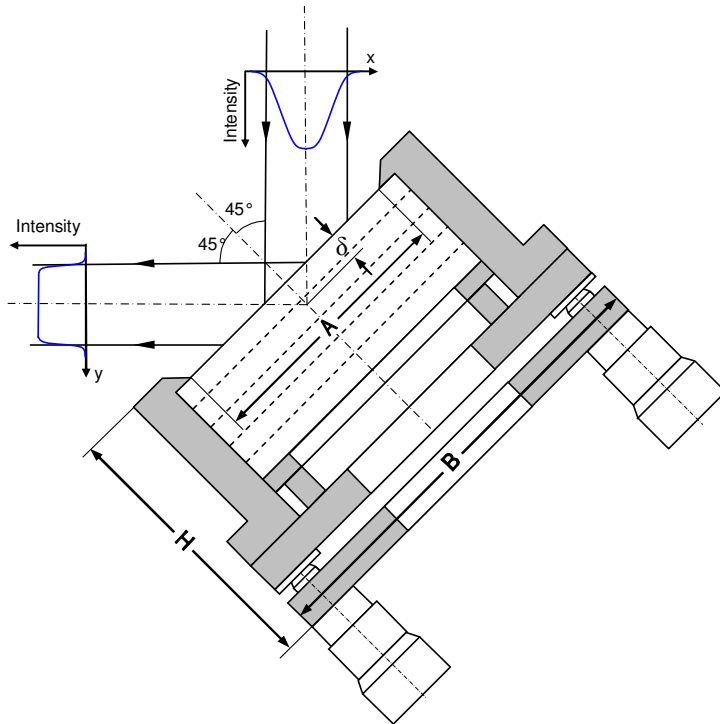
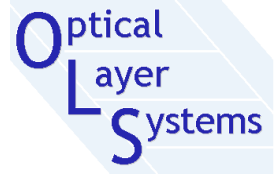


Homogenizing Mirrors (CBC-MH) for UV excimer lasers



Specification Example

Beam turning angle:	90°
Wavelength:	248nm or 308nm
Inhomogeneity of energy profile along the short/long axis of the laser beam:	+/- 5% RMS
Energy losses:	≤ 2.5 %
Damage threshold, at 20 ns laser pulses	≥ 1 J/cm ² at 248nm ≥ 2 J/cm ² at 308nm
Ambient temperature:	from 15 to 30°C

Mechanics:

Provides a precise tilt independent about two axes, at least ± 2°.

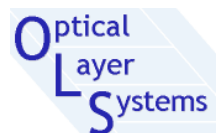
Shock-proof socket design.

Enhanced time/temperature stable.

Optional:

Mechanical stage allowing customers to slide the CBC into exact position with a linear positioning system providing high degree of temperature stability

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For details **contact OLS GmbH:**

Phone +49 6021 58076-41

E-mails:

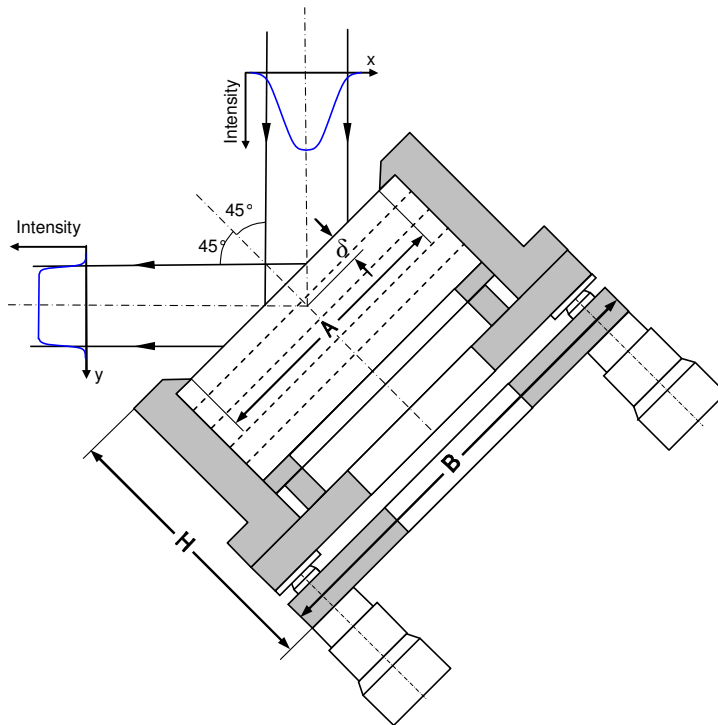
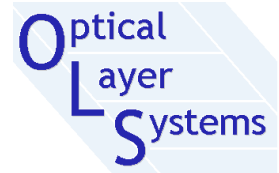
Sales sales@olsystem.com

Customer Support support@olsystem.com

ols.info@t-online.de

info@olsystem.com

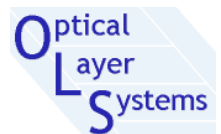
Homogenizing Mirrors (CBC-MH) for UV excimer lasers: dimensions & apertures



Apertures, wavelengths, dimensions

	Beam aperture	Wavelength	A	δ
	inch (mm)		inch (mm)	inch (mm)
<i>Short axis homogenizer</i>				
CBC-MHA06248	0.24 x 0.55 (6 x 14)	248 nm	Ø 1.50 (38)	0.098 (2.5)
CBC-MHA01308	0.24 x 0.55 (6 x 14)	308 nm	Ø 1.50 (38)	0.098 (2.5)
CBC-MHA12308	12mm x 35 mm	308 nm	1.5 x 1.85 (38x47)	
<i>Long axis homogenizer</i>				
CBC-MHA14248	0.24 x 0.55 (6 x 14)	248 nm	Ø 1.85 (47)	
CBC-MHA14308	0.24 x 0.55 (6 x 14)	308 nm	Ø 1.85 (47)	0.18 (4.5)
CBC-MHA35308	12mm x 35 mm	308 nm		

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Sales

sales@olsystem.com

Customer Support

support@olsystem.com

ols.info@t-online.de

info@olsystem.com