

Kollimatorlinsen



PHILIPS

Let's make things better.

	LEN046		LEN100		LEN183	
Lenstype	bi aspherical		mono aspherical		mono aspherical	
Outer diameter D (mm)	7,4		6,28		6,28	
Thickness h (mm)	3,05		2,44		2,44	
N.A.	0,4		0,2		0,12	
Clear Aperture (mm)	3,7		4,1		4,3	
Wavelength (nm)*	670	785	670		670	785
Focal Length (mm)	4,60	4,64	10,0		18,15	18,33
Back Focal Length (mm)	3,18	3,20	9,21		17,51	17,69
Free Working Dist. FWD (mm)	3,08	3,10	8,48		16,30	16,48
RMS Wavefront (mλ) on axis	40		80		30	
Total	70		90		35	
Optical Tolerances (mm)	0,1		0,1		0,1	
Field Radius (mm)	0,1		0,2		0,3	
Storage Temperature (°C)	-25...+70		-25...+100		-25...+100	
Operating Temperature (°C)	+5...+65		-10...+75		-10...+75	

General Data:

Transmission (%): >90

(CDW042 > 80)

Lens Material: Optical Plastic

Designed with Laser Coverglass:

Bk7, 0,25mm thick, 0,55 mm from
source

* Lenses could be used at other
wavelength than the
designwavelength.