

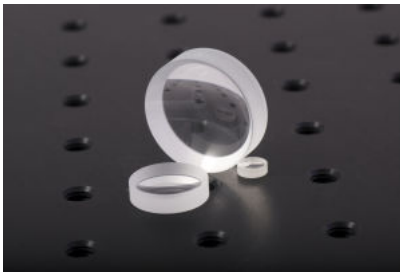
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## High-index planoconcave laser lenses



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### Description

Lenses in high-index glass ( $n = 1.785$ ) have only 55% of the spherical aberration of equivalent BK7 lense be very efficiently AR coated with a single-layer coating. Beam expanders etc. can therefore be made wi diffraction-limited performance and very high transmittance and suitable for high powers, having no ce interfaces.

These AR-coated negative lenses complement the positive lenses in the PX range, with which they may I combined to form Galilean beam-expanders (TE range). The high index reduces spherical aberration an use of an efficient and economical single-layer AR coating.

Specification    Technical    Options

<b>Diameter</b>	+0, -0.1mm
<b>Focal length</b> (at 587nm)	$\pm 0.2$ mm ( $\leq 10$ mm) $\pm 2\%$ ( $> 10$ mm)
<b>Figure (sphericity)</b>	$\lambda/4$ (typical)
<b>Scratch-dig</b>	40-20 See specifications for details ( <a href="http://comarnew.realnet2000.co.uk/technical/specifications-a">http://comarnew.realnet2000.co.uk/technical/specifications-a</a> )
<b>Centeration</b>	0.05mm
<b>Material</b>	SF11 See optical materials for details ( <a href="http://comarnew.realnet2000.co.uk/technical/optical-mater">http://comarnew.realnet2000.co.uk/technical/optical-mater</a> )
<b>AR coating</b>	see curve below

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Item code	Focal length (mm)	Diameter (mm)	Back FL (mm)	Centre thickness (mm)	Edge thickness (mm)	Radius (mm)	Price per item (£ GBP)	Stock available	Volume discount available	Datasheets & customisation options	Select an
<b>04 NX 025</b> ( <a href="/images/general/products/large/NT NQ_1.jpg">/images/general/products/large/NT NQ_1.jpg</a> )	4	2.5	4.4	0.75	1	3.14	£39.16	/	/	(/contac	1 Ad
<b>06 NX 04</b>	6.3	4	6.9	1	1.4	4.95	£36.41	/	/	(/contac	1 Ad
<b>10 NX 06</b>	10	6.3	10.8	1.5	2.2	7.85	£36.41	/	/	(/contac	1 Ad
<b>16 NX 10</b>	16	10	16.8	1.5	2.5	12.6	£34.43	/	/	(/contac	1 Ad
<b>25 NX 16</b>	25	16	25.8	1.5	3.2	19.6	£36.41	/	/	(/contac	1 Ad

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