

[All Products](#) / [Optics](#) / [Optical Lenses](#) / [Double-Convex \(DCX\) Lenses](#)

TECHSPEC® NIR I Coated Double-Convex (DCX) Lenses



- AR Coated to Provide <0.5% Reflectance per Surface for 600 - 1050nm
- Minimize Aberrations Including Spherical and Coma
- [UV Fused Silica DCX Lenses](#) Available
- Other Coating Options Available: [Uncoated](#), [MgF₂](#), [VIS 0°](#), [NIR II](#), [VIS-EXT](#), [VIS-NIR](#), and [YAG-BBAR](#)

Common Specifications

Physical & Mechanical Properties

Bevel:

Protective bevel as needed

Optical Properties

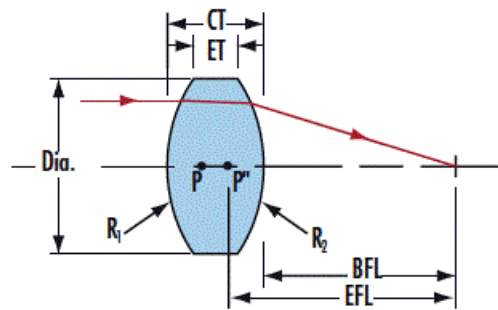
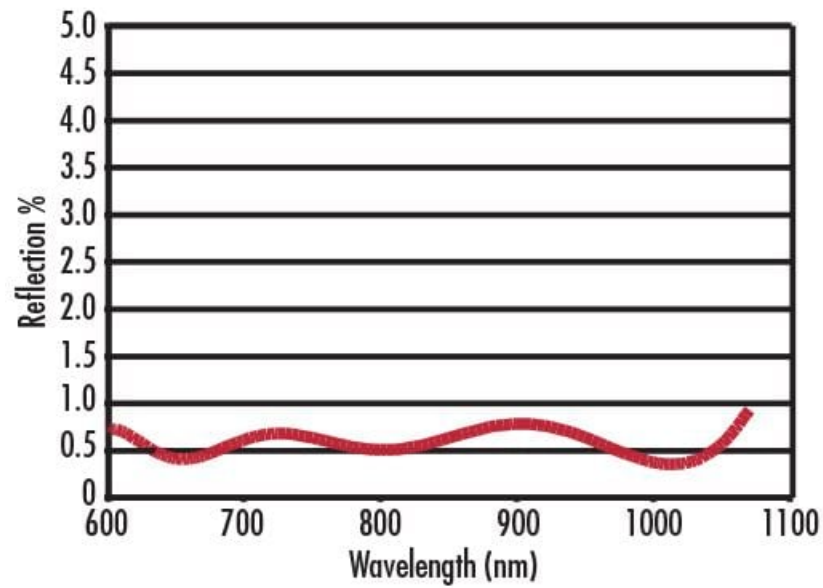
Coating:

NIR I (600-1050nm)

Coating Specification:	$R_{\text{avg}} \leq 0.5\% \text{ @ } 600 - 1050\text{nm}$	Power (P-V) @ 632.8nm:	1.5λ
Irregularity (P-V) @ 632.8nm:	$\lambda/4$	Focal Length Specification Wavelength (nm):	587.6
Wavelength Range (nm):	600 - 1050	Damage Threshold, By Design:	$7 \text{ J/cm}^2 \text{ @ } 1064\text{nm}, 10\text{ns}$

Technical Information

NIR I Coating
 $R_{avg} \leq 0.5\%$ @ 600 - 1050nm
Typ. Energy Density Limit: 7 J/cm² @ 1064nm, 10ns



Products

Dia. (mm)	BFL (mm)	EFL (mm)	Coating	Substrate	Stock Number	Price	Buy
3.00	2.21	3.00	NIR I (600-1050nm)	N-SF5	#49-451	€64,50 Qty 10+ €58,00	3-4 days
3.00	3.78	4.50	NIR I (600-1050nm)	N-BK7	#49-452	€64,50 Qty 10+ €58,00	In Stock
3.00	5.37	6.00	NIR I (600-1050nm)	N-BK7	#49-453	€64,50 Qty 10+ €58,00	3-4 days
3.00	8.46	9.00	NIR I (600-1050nm)	N-BK7	#49-454	€64,50 Qty 10+ €58,00	3-4 days
4.50	3.70	4.50	NIR I (600-1050nm)	N-LASF44	#49-455	€64,50 Qty 10+ €58,00	3-4 days
4.50	8.16	9.00	NIR I (600-1050nm)	N-BK7	#49-456	€64,50 Qty 10+ €58,00	3-4 days
5.00	4.19	5.00	NIR I (600-1050nm)	N-SF5	#63-626	€51,50 Qty 10+ €46,25	3-4 days
5.00	9.31	10.00	NIR I (600-1050nm)	N-BK7	#63-627	€51,50 Qty 10+ €46,25	3-4 days
5.00	14.33	15.00	NIR I (600-1050nm)	N-BK7	#63-628	€51,50 Qty 10+ €46,25	In Stock
5.00	19.50	20.00	NIR I (600-1050nm)	N-BK7	#63-629	€51,50 Qty 10+ €46,25	3-4 days
5.00	24.50	25.00	NIR I (600-1050nm)	N-BK7	#63-630	€51,50 Qty 10+ €46,25	3-4 days
6.00	5.19	6.00	NIR I (600-1050nm)	N-SF5	#49-457	€41,00 Qty 10+ €36,75	3-4 days
6.00	8.22	9.00	NIR I (600-1050nm)	N-BK7	#49-458	€41,00 Qty 10+ €36,75	In Stock
6.00	11.18	12.00	NIR I (600-1050nm)	N-BK7	#49-459	€41,00 Qty 10+ €36,75	3-4 days
6.00	17.26	18.00	NIR I (600-1050nm)	N-BK7	#49-460	€41,00 Qty 10+ €36,75	In Stock
6.00	23.13	24.00	NIR I (600-1050nm)	N-BK7	#49-461	€41,00 Qty 10+ €36,75	Contact Us

6.00	29.23	30.00	NIR I (600-1050nm)	N-BK7	#49-462	€41,00 Qty 10+ €36,75	3-4 days
6.00	35.33	36.00	NIR I (600-1050nm)	N-BK7	#49-463	€41,00 Qty 10+ €36,75	3-4 days
9.00	7.90	9.00	NIR I (600-1050nm)	N-SF5	#49-464	€42,00 Qty 10+ €37,75	3-4 days
9.00	12.56	13.50	NIR I (600-1050nm)	N-BK7	#49-465	€42,00 Qty 10+ €37,75	3-4 days
9.00	17.12	18.00	NIR I (600-1050nm)	N-BK7	#49-466	€42,00 Qty 10+ €37,75	3-4 days
9.00	26.08	27.00	NIR I (600-1050nm)	N-BK7	#49-467	€42,00 Qty 10+ €37,75	In Stock
9.00	35.15	36.00	NIR I (600-1050nm)	N-BK7	#49-468	€42,00 Qty 10+ €37,75	Contact Us
9.00	44.17	45.00	NIR I (600-1050nm)	N-BK7	#49-469	€42,00 Qty 10+ €37,75	3-4 days
10.00	8.89	10.00	NIR I (600-1050nm)	N-SF5	#63-631	€42,00 Qty 10+ €37,75	In Stock
10.00	13.80	15.00	NIR I (600-1050nm)	N-BK7	#63-632	€42,00 Qty 10+ €37,75	3-4 days
10.00	19.16	20.00	NIR I (600-1050nm)	N-BK7	#63-633	€42,00 Qty 10+ €37,75	Contact Us
10.00	24.16	25.00	NIR I (600-1050nm)	N-BK7	#63-634	€42,00 Qty 10+ €37,75	3-4 days
10.00	29.17	30.00	NIR I (600-1050nm)	N-BK7	#63-635	€42,00 Qty 10+ €37,75	3-4 days
10.00	39.16	40.00	NIR I (600-1050nm)	N-BK7	#63-636	€42,00 Qty 10+ €37,75	3-4 days
10.00	49.17	50.00	NIR I (600-1050nm)	N-BK7	#63-637	€42,00 Qty 10+ €37,75	In Stock
10.00	99.17	100.00	NIR I (600-1050nm)	N-BK7	#63-638	€42,00 Qty 10+ €37,75	3-4 days
12.00	10.79	12.00	NIR I (600-1050nm)	N-SF5	#49-474	€45,00 Qty 10+ €40,50	Contact Us
12.00	16.81	18.00	NIR I (600-1050nm)	N-BK7	#49-475	€44,00 Qty 10+ €39,50	3-4 days
12.00	22.65	24.00	NIR I (600-1050nm)	N-BK7	#33-392	€44,00 Qty 10+ €39,50	3-4 days

12.00	28.75	30.00	NIR I (600-1050nm)	N-BK7	#49-477	€44,00 Qty 10+ €39,50	In Stock
12.00	34.90	36.00	NIR I (600-1050nm)	N-BK7	#49-478	€44,00 Qty 10+ €39,50	3-4 days
12.00	47.09	48.00	NIR I (600-1050nm)	N-BK7	#49-479	€44,00 Qty 10+ €39,50	3-4 days
12.00	71.07	72.00	NIR I (600-1050nm)	N-BK7	#49-480	€44,00 Qty 10+ €39,50	In Stock
15.00	13.68	15.00	NIR I (600-1050nm)	N-SF11	#49-481	€45,00 Qty 10+ €40,50	3-4 days
15.00	18.99	20.00	NIR I (600-1050nm)	N-SF11	#63-639	€44,00 Qty 10+ €39,50	Contact Us
15.00	21.29	22.50	NIR I (600-1050nm)	N-SF11	#49-482	€44,00 Qty 10+ €39,50	Contact Us
15.00	23.82	25.00	NIR I (600-1050nm)	N-BK7	#63-640	€44,00 Qty 10+ €39,50	3-4 days
15.00	28.82	30.00	NIR I (600-1050nm)	N-BK7	#49-483	€44,00 Qty 10+ €39,50	3-4 days
15.00	44.00	45.00	NIR I (600-1050nm)	N-BK7	#63-641	€44,00 Qty 10+ €39,50	3-4 days
15.00	49.00	50.00	NIR I (600-1050nm)	N-BK7	#49-484	€44,00 Qty 10+ €39,50	3-4 days
15.00	59.00	60.00	NIR I (600-1050nm)	N-BK7	#63-642	€44,00 Qty 10+ €39,50	In Stock
18.00	16.69	18.00	NIR I (600-1050nm)	N-SF11	#63-643	€45,00 Qty 10+ €40,50	3-4 days
18.00	25.25	27.00	NIR I (600-1050nm)	N-BK7	#49-485	€45,00 Qty 10+ €40,50	3-4 days
18.00	34.59	36.00	NIR I (600-1050nm)	N-BK7	#49-486	€45,00 Qty 10+ €40,50	3-4 days
20.00	18.55	20.00	NIR I (600-1050nm)	N-SF11	#63-646	€45,75 Qty 10+ €41,00	3-4 days
20.00	23.86	25.00	NIR I (600-1050nm)	N-SF11	#63-647	€45,75 Qty 10+ €41,00	Contact Us
20.00	28.20	30.00	NIR I (600-1050nm)	N-BK7	#49-487	€45,75 Qty 10+ €41,00	3-4 days
20.00	38.44	40.00	NIR I (600-1050nm)	N-BK7	#49-488	€45,75 Qty 10+ €41,00	Contact Us

20.00	48.84	50.00	NIR I (600-1050nm)	N-BK7	#63-648	€45,75 Qty 10+ €41,00	3-4 days
20.00	58.67	60.00	NIR I (600-1050nm)	N-BK7	#63-649	€45,75 Qty 10+ €41,00	3-4 days
20.00	78.67	80.00	NIR I (600-1050nm)	N-BK7	#63-650	€45,75 Qty 10+ €41,00	3-4 days
25.00	22.47	25.00	NIR I (600-1050nm)	N-SF5	#49-489	€46,25 Qty 10+ €41,50	3-4 days
25.00	28.31	30.00	NIR I (600-1050nm)	N-SF5	#63-651	€45,50 Qty 10+ €40,75	3-4 days
25.00	32.81	35.00	NIR I (600-1050nm)	N-BK7	#49-490	€45,75 Qty 10+ €41,00	3-4 days
25.00	38.21	40.00	NIR I (600-1050nm)	N-BK7	#49-491	€45,75 Qty 10+ €41,00	3-4 days
25.00	48.29	50.00	NIR I (600-1050nm)	N-BK7	#49-492	€45,75 Qty 10+ €41,00	3-4 days
25.00	73.84	75.00	NIR I (600-1050nm)	N-BK7	#49-493	€45,75 Qty 10+ €41,00	In Stock
25.00	98.95	100.00	NIR I (600-1050nm)	N-BK7	#49-494	€45,75 Qty 10+ €41,00	In Stock
25.00	123.84	125.00	NIR I (600-1050nm)	N-BK7	#49-495	€45,75 Qty 10+ €41,00	3-4 days
25.00	148.88	150.00	NIR I (600-1050nm)	N-BK7	#49-496	€45,75 Qty 10+ €41,00	In Stock
25.00	173.94	175.00	NIR I (600-1050nm)	N-BK7	#49-497	€45,75 Qty 10+ €41,00	3-4 days
25.00	198.35	200.00	NIR I (600-1050nm)	N-BK7	#33-398	€45,75 Qty 10+ €41,00	3-4 days
30.00	28.12	30.00	NIR I (600-1050nm)	N-SF11	#63-652	€58,50 Qty 10+ €52,50	3-4 days
30.00	47.82	50.00	NIR I (600-1050nm)	N-BK7	#49-500	€57,50 Qty 10+ €52,00	3-4 days
30.00	58.33	60.00	NIR I (600-1050nm)	N-BK7	#63-653	€57,50 Qty 10+ €52,00	3-4 days
30.00	73.35	75.00	NIR I (600-1050nm)	N-BK7	#49-501	€57,50 Qty 10+ €52,00	3-4 days
30.00	98.34	100.00	NIR I (600-1050nm)	N-BK7	#63-654	€57,50 Qty 10+ €52,00	3-4 days

30.00	118.34	120.00	NIR I (600-1050nm)	N-BK7	#63-655	€57,50 Qty 10+ €52,00	3-4 days
40.00	37.54	40.00	NIR I (600-1050nm)	N-SF11	#63-656	€64,50 Qty 10+ €58,00	3-4 days
40.00	57.10	60.00	NIR I (600-1050nm)	N-BK7	#49-503	€64,50 Qty 10+ €58,00	3-4 days
40.00	77.32	80.00	NIR I (600-1050nm)	N-BK7	#33-423	€64,50 Qty 10+ €58,00	3-4 days
40.00	97.33	100.00	NIR I (600-1050nm)	N-BK7	#33-410	€64,50 Qty 10+ €58,00	3-4 days
40.00	117.67	120.00	NIR I (600-1050nm)	N-BK7	#63-657	€64,50 Qty 10+ €58,00	3-4 days
40.00	197.35	200.00	NIR I (600-1050nm)	N-BK7	#33-417	€64,50 Qty 10+ €58,00	3-4 days
50.00	45.30	50.00	NIR I (600-1050nm)	N-SF11	#49-508	€67,00 Qty 10+ €60,50	3-4 days
50.00	96.65	100.00	NIR I (600-1050nm)	N-BK7	#49-509	€67,00 Qty 10+ €60,50	3-4 days
50.00	147.00	150.00	NIR I (600-1050nm)	N-BK7	#49-510	€67,00 Qty 10+ €60,50	3-4 days
50.00	198.33	200.00	NIR I (600-1050nm)	N-BK7	#49-511	€67,00 Qty 10+ €60,50	3-4 days
50.00	248.37	250.00	NIR I (600-1050nm)	N-BK7	#49-512	€67,00 Qty 10+ €60,50	Contact Us



Copyright 2023 | Edmund Optics, Ltd Unit 1, Opus Avenue, Nether Poppleton, York, YO26 6BL, UK

Phone: 1-800-363-1992 :

www.edmundoptics.com