

[Afficher tous les 423 produits de la même famille.](#)

TECHSPEC®

4mm Dia. x 4mm FL, traité NIR I, Lentille PCX



Stock **#48-702** 20+ In Stock

[D'autres traitements](#)

-

1

+

€70^{.50}

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-9	€70,50 prix unitaire
Qté 10-24	€63,50 prix unitaire
Qté 25-49	€56,00 prix unitaire
Need More?	Demande de Devis

ⓘ Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Type:

Plano-Convex Lens

Propriétés physiques et mécaniques

4.00 +0.0/-0.025	Diamètre (mm):
30-45, typical	Centrage (arcmin):
1.70 ±0.05	Épaisseur Centrale CT (mm):
1.00	Épaisseur au Bord ET (mm):
3.6	Ouverture Utile CA (mm):
Protective as needed	Biseau:

Propriétés optiques

4.00 @ 587.6nm	Distance Focale EFL (mm):
3.06	Distance Focale Arrière BFL (mm):
NIR I (600-1050nm)	Traitement:
R _{avg} ≤0.5% @ 600 - 1050nm	Spécification du Traitement:
N-LASF44	Substrat: □
20-10	Qualité de Surface:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:
±1	Tolérance Distance Focale (%):
3.21	Rayon R ₁ (mm):
1	f/#:
0.50	Ouverture Numérique NA:
600 - 1050	Gamme de Longueur d'Onde (nm):
7 J/cm ² @ 1064nm, 10ns	Damage Threshold, By Design: □

Conformité réglementaire

Conforme	RoHS 2015:
Visionner	Certificate of Conformance:
Conforme	Reach 235:

Besoin de spécifications différentes ou de modifications ?

Edmund Optics propose des services complets de fabrication personnalisée de composants optiques et d'imagerie adaptés aux exigences de vos applications spécifiques. Qu'il s'agisse de la phase de prototypage ou de la préparation d'une production à grande échelle, nous proposons des solutions flexibles pour répondre à vos besoins. Nos ingénieurs expérimentés sont là pour vous aider, de la conception à la réalisation.

Nos capacités comprennent :

- Dimensions , matériaux, traitements, etc. personnalisés
- Qualité de surface et planéité de surface de haute précision
- Tolérances serrées et géométries complexes
- Production évolutive – du prototype à la série

En savoir plus sur nos [capacités de fabrication sur mesure](#) ou soumettre une demande [ici](#).

Description produit

- Traitées AR pour procurer <0,5% de réflectivité par surface de 600 à 1050 nm
- Conçues pour un angle d'incidence de 0°
- Diverses options de traitement : [Non traitées](#), [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR II](#), [VIS-EXT](#) et [YAG-BBAR](#)

Les Lentilles Plan-Convexes (PCX) Traitées NIR I TECHSPEC® possèdent une distance focale positive, les rendant idéales pour recueillir et focaliser la lumière dans des applications d'imagerie. Elles sont également utiles dans une variété d'applications impliquant les émetteurs, détecteurs, lasers et fibres optiques. Les Lentilles Plan-Convexes (PCX) Traitées NIR I TECHSPEC sont disponibles dans une grande variété de diamètres et de distances focales. Des modèles identiques de ces lentilles sont également proposés [non traités](#) ou avec autres traitements antireflets à large bande, qui comprennent [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR II](#), [VIS-EXT](#) et [YAG-BBAR](#).

Informations techniques



N-BK7																													
Uncoated N-BK7 Typical Transmission <table border="1"><caption>Uncoated N-BK7 Typical Transmission Data (Approximate)</caption><thead><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr></thead><tbody><tr><td>200</td><td>70</td></tr><tr><td>300</td><td>85</td></tr><tr><td>400</td><td>92</td></tr><tr><td>600</td><td>93</td></tr><tr><td>800</td><td>93</td></tr><tr><td>1000</td><td>93</td></tr><tr><td>1200</td><td>93</td></tr><tr><td>1400</td><td>93</td></tr><tr><td>1600</td><td>93</td></tr><tr><td>1800</td><td>92</td></tr><tr><td>2000</td><td>91</td></tr><tr><td>2200</td><td>89</td></tr></tbody></table>	Wavelength (nm)	Transmission T (%)	200	70	300	85	400	92	600	93	800	93	1000	93	1200	93	1400	93	1600	93	1800	92	2000	91	2200	89	Typical transmission of a 3mm thick, uncoated N-BK7 window across the UV - NIR spectra. Click Here to Download Data		
Wavelength (nm)	Transmission T (%)																												
200	70																												
300	85																												
400	92																												
600	93																												
800	93																												
1000	93																												
1200	93																												
1400	93																												
1600	93																												
1800	92																												
2000	91																												
2200	89																												
N-BK7 with MgF₂ Coating Typical Transmission <table border="1"><caption>N-BK7 with MgF₂ Coating Typical Transmission Data (Approximate)</caption><thead><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr></thead><tbody><tr><td>200</td><td>70</td></tr><tr><td>300</td><td>85</td></tr><tr><td>400</td><td>95</td></tr><tr><td>500</td><td>98</td></tr><tr><td>600</td><td>97</td></tr><tr><td>800</td><td>95</td></tr><tr><td>1000</td><td>94</td></tr><tr><td>1200</td><td>93</td></tr><tr><td>1400</td><td>93</td></tr><tr><td>1600</td><td>93</td></tr><tr><td>1800</td><td>92</td></tr><tr><td>2000</td><td>91</td></tr><tr><td>2200</td><td>90</td></tr></tbody></table>	Wavelength (nm)	Transmission T (%)	200	70	300	85	400	95	500	98	600	97	800	95	1000	94	1200	93	1400	93	1600	93	1800	92	2000	91	2200	90	Typical transmission of a 3mm thick N-BK7 window with MgF₂ (400-700nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{avg} \leq 1.75\% @ 400 - 700\text{nm}$ (N-BK7) Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Wavelength (nm)	Transmission T (%)																												
200	70																												
300	85																												
400	95																												
500	98																												
600	97																												
800	95																												
1000	94																												
1200	93																												
1400	93																												
1600	93																												
1800	92																												
2000	91																												
2200	90																												
N-BK7 with VIS-EXT Coating Typical Transmission <table border="1"><caption>N-BK7 with VIS-EXT Coating Typical Transmission Data (Approximate)</caption><thead><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr></thead><tbody><tr><td>200</td><td>70</td></tr><tr><td>300</td><td>85</td></tr><tr><td>350</td><td>95</td></tr><tr><td>400</td><td>98</td></tr><tr><td>500</td><td>99</td></tr><tr><td>600</td><td>99</td></tr><tr><td>700</td><td>99</td></tr><tr><td>800</td><td>95</td></tr><tr><td>900</td><td>88</td></tr><tr><td>1000</td><td>82</td></tr><tr><td>1100</td><td>78</td></tr><tr><td>1200</td><td>75</td></tr></tbody></table>	Wavelength (nm)	Transmission T (%)	200	70	300	85	350	95	400	98	500	99	600	99	700	99	800	95	900	88	1000	82	1100	78	1200	75	Typical transmission of a 3mm thick N-BK7 window with VIS-EXT (350-700nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{avg} \leq 0.5\% @ 350 - 700\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data		
Wavelength (nm)	Transmission T (%)																												
200	70																												
300	85																												
350	95																												
400	98																												
500	99																												
600	99																												
700	99																												
800	95																												
900	88																												
1000	82																												
1100	78																												
1200	75																												
N-BK7 with VIS-NIR Coating Typical Transmission <table border="1"><caption>N-BK7 with VIS-NIR Coating Typical Transmission Data (Approximate)</caption><thead><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr></thead><tbody><tr><td>200</td><td>75</td></tr><tr><td>300</td><td>85</td></tr><tr><td>400</td><td>95</td></tr><tr><td>500</td><td>98</td></tr><tr><td>600</td><td>97</td></tr><tr><td>700</td><td>98</td></tr><tr><td>800</td><td>99</td></tr><tr><td>900</td><td>98</td></tr><tr><td>1000</td><td>95</td></tr><tr><td>1100</td><td>88</td></tr><tr><td>1200</td><td>78</td></tr></tbody></table>	Wavelength (nm)	Transmission T (%)	200	75	300	85	400	95	500	98	600	97	700	98	800	99	900	98	1000	95	1100	88	1200	78	Typical transmission of a 3mm thick N-BK7 window with VIS-NIR (400-1000nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{abs} \leq 0.25\% @ 880\text{nm}$ $R_{avg} \leq 1.25\% @ 400 - 870\text{nm}$ $R_{avg} \leq 1.25\% @ 890 - 1000\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data				
Wavelength (nm)	Transmission T (%)																												
200	75																												
300	85																												
400	95																												
500	98																												
600	97																												
700	98																												
800	99																												
900	98																												
1000	95																												
1100	88																												
1200	78																												

	Click Here to Download Data
N-BK7 with VIS 0° Coating Typical Transmission 	Typical transmission of a 3mm thick N-BK7 window with VIS 0° (425-675nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{avg} \leq 0.4\%$ @ 425 - 675nm Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
N-BK7 with YAG-BBAR Coating Typical Transmission 	Typical transmission of a 3mm thick N-BK7 window with YAG-BBAR (500-1100nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{abs} \leq 0.25\%$ @ 532nm $R_{abs} \leq 0.25\%$ @ 1064nm $R_{avg} \leq 1.0\%$ @ 500 - 1100nm Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
N-BK7 with NIR I Coating Typical Transmission 	Typical transmission of a 3mm thick N-BK7 window with NIR I (600 - 1050nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{avg} \leq 0.5\%$ @ 600 - 1050nm Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
N-BK7 with NIR II Coating Typical Transmission 	Typical transmission of a 3mm thick N-BK7 window with NIR II (750 - 1550nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{abs} \leq 1.5\%$ @ 750 - 800nm $R_{abs} \leq 1.0\%$ @ 800 - 1550nm $R_{avg} \leq 0.7\%$ @ 750 - 1550nm Data outside this range is not guaranteed and is for reference only. Click Here to Download Data

