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TECHSPEC<sup>®</sup> 12 mm Dia. x 30 mm FL, traité NIR I, Lentille PCX



Stock **#48-736** 20+ In Stock

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-

1

+

€47<sup>.50</sup>

AJOUTER AU PANIER

| Prix sur Quantité |                                  |
|-------------------|----------------------------------|
| Qté 1-9           | €47,50 prix unitaire             |
| Qté 10-24         | €42,50 prix unitaire             |
| Qté 25-49         | €38,00 prix unitaire             |
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ⓘ Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Plano-Convex Lens

Type:

Propriétés physiques et mécaniques

|                      |                             |
|----------------------|-----------------------------|
| 12.00 +0.0/-0.025    | Diamètre (mm):              |
| <1                   | Centrage (arcmin):          |
| 3.00 ±0.05           | Épaisseur Centrale CT (mm): |
| 1.79                 | Épaisseur au Bord ET (mm):  |
| 11                   | Ouverture Utile CA (mm):    |
| Protective as needed | Biseau:                     |

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| Propriétés optiques                   |                                   |
| 30.00 @ 587.6nm                       | Distance Focale EFL (mm):         |
| 28.02                                 | Distance Focale Arrière BFL (mm): |
| NIR I (600-1050nm)                    | Traitement:                       |
| R <sub>avg</sub> ≤0.5% @ 600 - 1050nm | Spécification du Traitement:      |
| N-BK7                                 | Substrat: □                       |
| 40-20                                 | Qualité de Surface:               |
| 1.5λ                                  | Power (P-V) @ 632.8nm:            |
| λ/4                                   | Irregularity (P-V) @ 632.8nm:     |
| ±1                                    | Tolérance Distance Focale (%):    |
| 15.50                                 | Rayon R <sub>1</sub> (mm):        |
| 2.5                                   | f/#:                              |
| 0.20                                  | Ouverture Numérique NA:           |
| 600 - 1050                            | Gamme de Longueur d'Onde (nm):    |
| 7 J/cm <sup>2</sup> @ 1064nm, 10ns    | Damage Threshold, By Design: □    |

|                          |                             |
|--------------------------|-----------------------------|
| Conformité réglementaire |                             |
| Conforme                 | RoHS 2015:                  |
| Conforme                 | Reach 219:                  |
| Visionner                | Certificate of Conformance: |

## 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

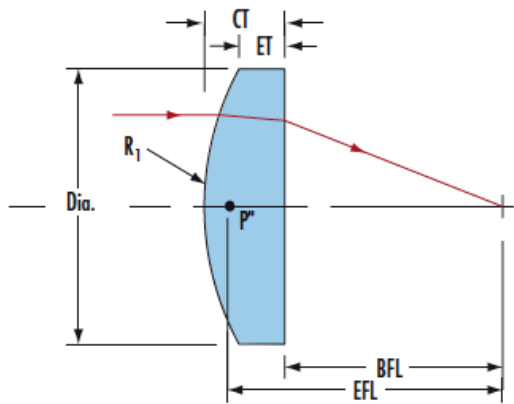
En savoir plus sur nos [capacités de fabrication sur mesure](#) ou soumettre une demande [ici](#).

## 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](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR II](#), [VIS-EXT](#) et [YAG-BBAR](#)

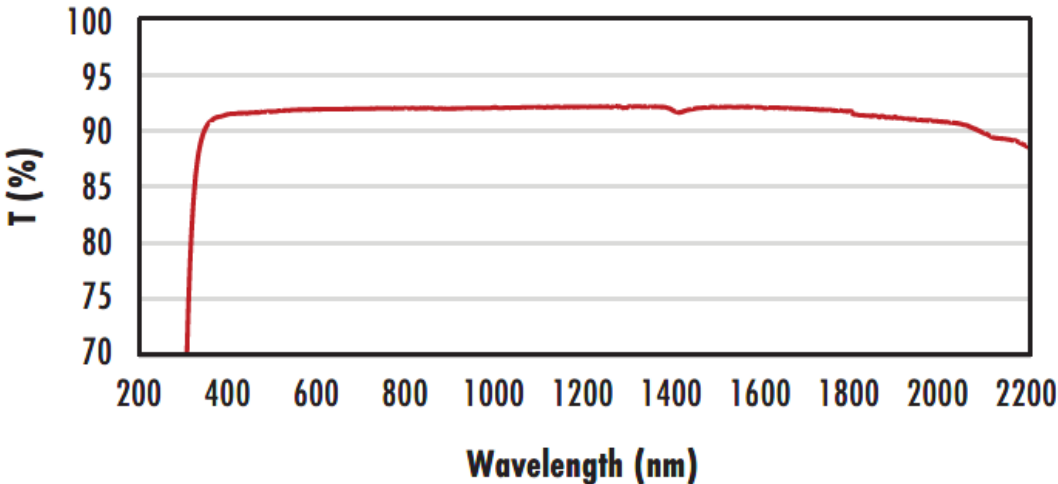
Les Lentilles Plan-Convexes (PCX) Traitées NIR I TECHSPEC® possèdent une distance focale positive, les rendant idéales pour recueillir et focaliser la lumière dans des applications d'imagerie. Elles sont également utiles dans une variété d'applications impliquant les émetteurs, détecteurs, lasers et 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 [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR II](#), [VIS-EXT](#) et [YAG-BBAR](#).

## Informations techniques



N-BK7

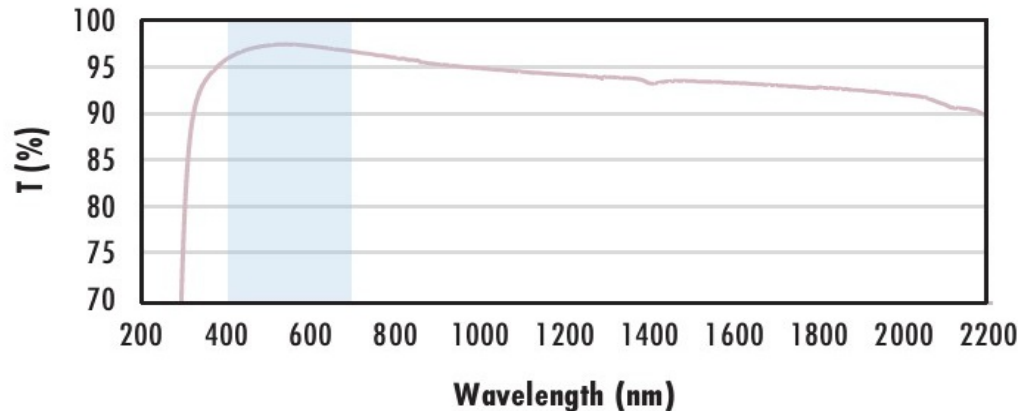
Uncoated N-BK7 Typical Transmission



Typical transmission of a 3mm thick, uncoated N-BK7 window across the UV - NIR spectra.

[Click Here to Download Data](#)

N-BK7 with MgF<sub>2</sub> Coating Typical Transmission



Typical transmission of a 3mm thick N-BK7 window with MgF<sub>2</sub> (400-700nm) coating at 0° AOI.

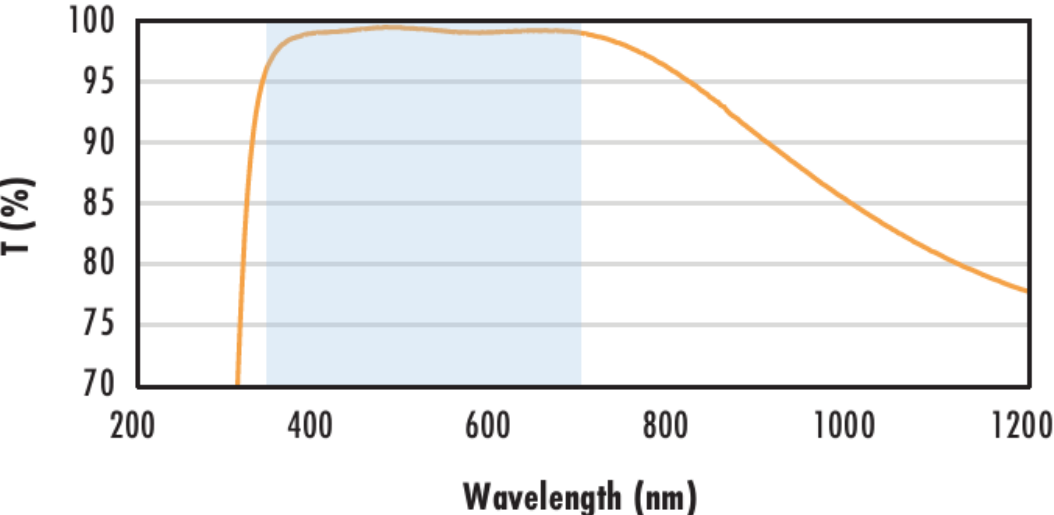
The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{avg} \leq 1.75\% @ 400 - 700\text{nm}$  (N-BK7)

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

N-BK7 with VIS-EXT Coating Typical Transmission



Typical transmission of a 3mm thick N-BK7 window with VIS-EXT (350-700nm) coating at 0° AOI.

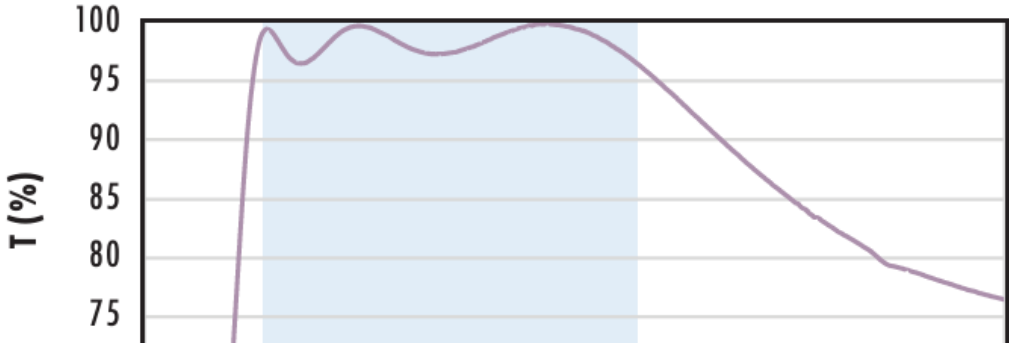
The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{avg} \leq 0.5\% @ 350 - 700\text{nm}$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

N-BK7 with VIS-NIR Coating Typical Transmission



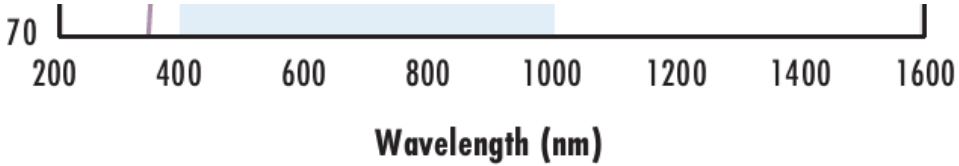
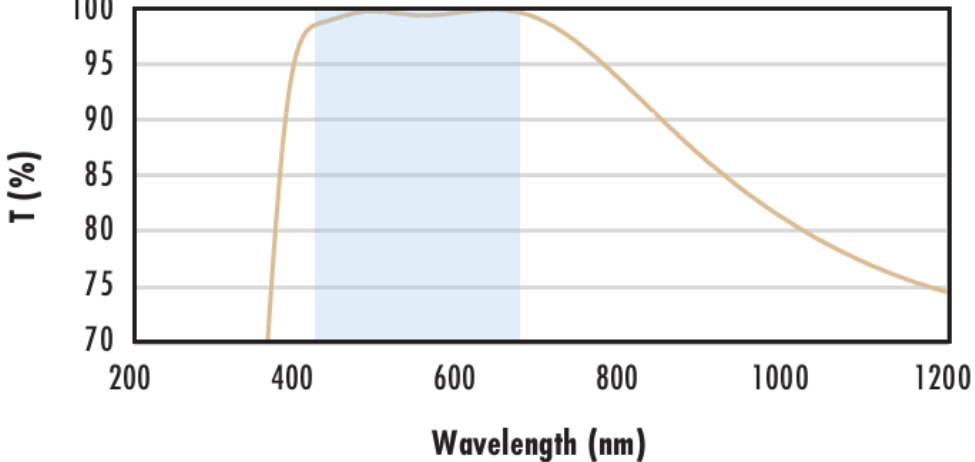
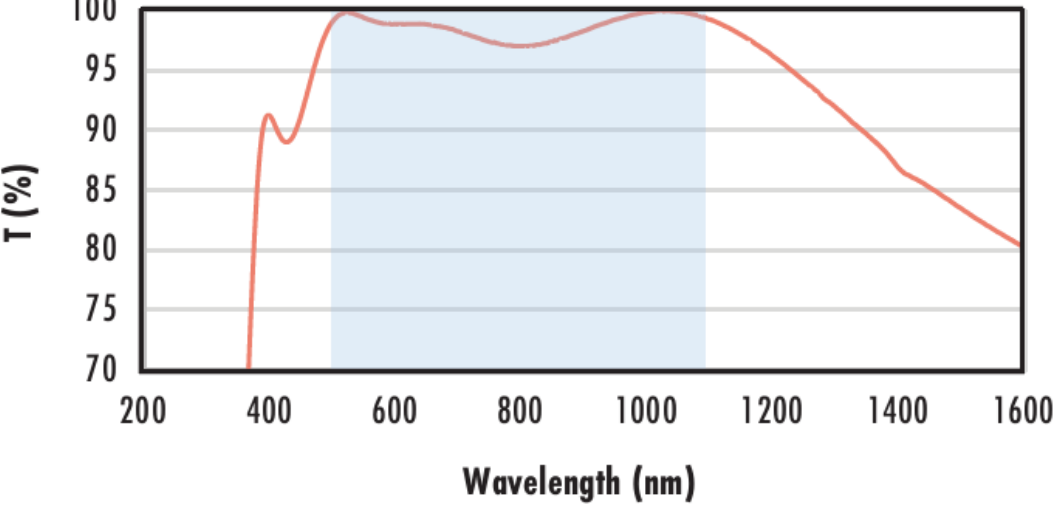
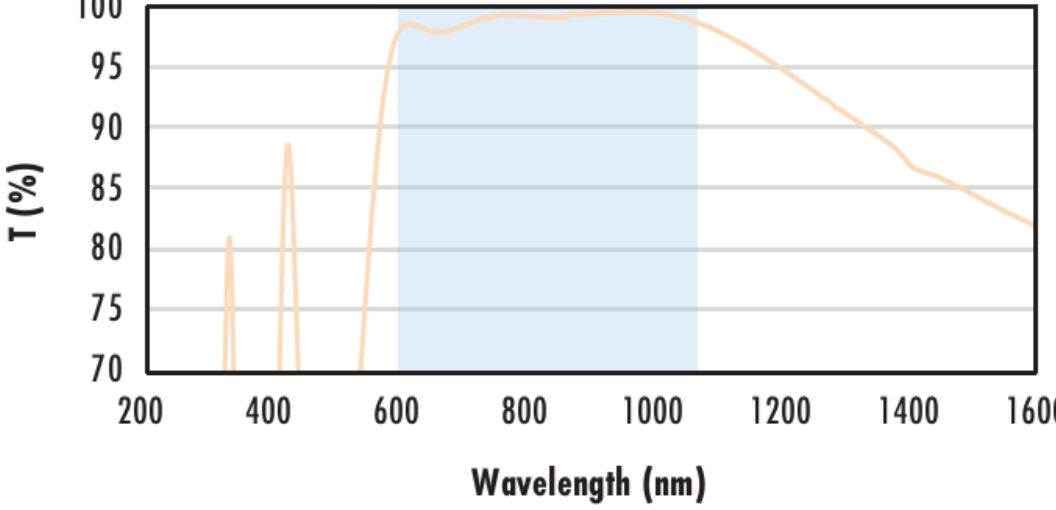
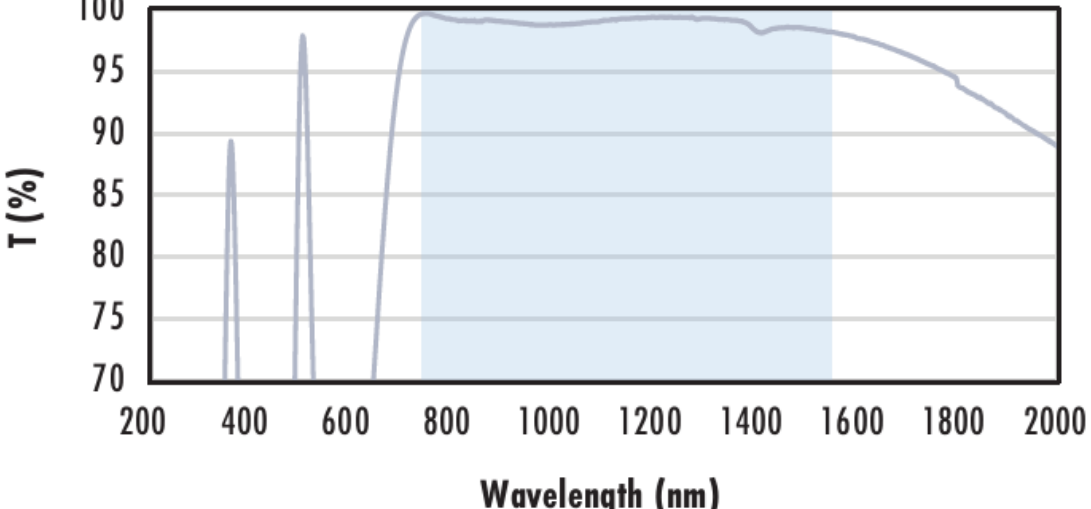
Typical transmission of a 3mm thick N-BK7 window with VIS-NIR (400-1000nm) coating at 0° AOI.

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](#)

|                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                            | <a href="#">Click Here to Download Data</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <p data-bbox="596 276 974 365"><b>N-BK7 with VIS 0° Coating</b><br/><b>Typical Transmission</b></p>       | <p data-bbox="1339 409 1843 454">Typical transmission of a 3mm thick N-BK7 window with VIS 0° (425-675nm) coating at 0° AOI.</p> <p data-bbox="1339 468 1850 513">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1478 528 1711 557"><math>R_{avg} \leq 0.4\%</math> @ 425 - 675nm</p> <p data-bbox="1339 572 1839 617">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1478 632 1711 661"><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                                          |
| <p data-bbox="569 869 1037 958"><b>N-BK7 with YAG-BBAR Coating</b><br/><b>Typical Transmission</b></p>   | <p data-bbox="1339 1003 1843 1047">Typical transmission of a 3mm thick N-BK7 window with YAG-BBAR (500-1100nm) coating at 0° AOI.</p> <p data-bbox="1339 1062 1850 1107">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1478 1121 1686 1151"><math>R_{abs} \leq 0.25\%</math> @ 532nm</p> <p data-bbox="1478 1151 1692 1181"><math>R_{abs} \leq 0.25\%</math> @ 1064nm</p> <p data-bbox="1478 1181 1711 1210"><math>R_{avg} \leq 1.0\%</math> @ 500 - 1100nm</p> <p data-bbox="1339 1225 1839 1270">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1478 1285 1711 1314"><a href="#">Click Here to Download Data</a></p>           |
| <p data-bbox="617 1507 1010 1596"><b>N-BK7 with NIR I Coating</b><br/><b>Typical Transmission</b></p>   | <p data-bbox="1339 1665 1843 1709">Typical transmission of a 3mm thick N-BK7 window with NIR I (600 - 1050nm) coating at 0° AOI.</p> <p data-bbox="1339 1724 1850 1768">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1478 1783 1711 1813"><math>R_{avg} \leq 0.5\%</math> @ 600 - 1050nm</p> <p data-bbox="1339 1828 1839 1872">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1478 1887 1711 1917"><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                             |
| <p data-bbox="606 2145 1016 2234"><b>N-BK7 with NIR II Coating</b><br/><b>Typical Transmission</b></p>  | <p data-bbox="1339 2273 1843 2318">Typical transmission of a 3mm thick N-BK7 window with NIR II (750 - 1550nm) coating at 0° AOI.</p> <p data-bbox="1339 2332 1850 2377">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1478 2392 1703 2421"><math>R_{abs} \leq 1.5\%</math> @ 750 - 800nm</p> <p data-bbox="1478 2421 1709 2451"><math>R_{abs} \leq 1.0\%</math> @ 800 - 1550nm</p> <p data-bbox="1478 2451 1711 2481"><math>R_{avg} \leq 0.7\%</math> @ 750 - 1550nm</p> <p data-bbox="1339 2496 1839 2540">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1478 2555 1711 2585"><a href="#">Click Here to Download Data</a></p> |

Montures compatibles

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