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TECHSPEC®

50mm Dia. x 150mm FL, NIR I, Bords Noircis, Lentille DCX



Stock **#49-510-INK**

CONTACT

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-

1

+

€85<sup>.50</sup>

AJOUTER AU PANIER

| Prix sur Quantité |                                  |
|-------------------|----------------------------------|
| Qté 1-9           | €85,50 prix unitaire             |
| Qté 10-24         | €77,00 prix unitaire             |
| Qté 25-99         | €68,50 prix unitaire             |
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ⓘ Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Double-Convex Lens

Type:

Propriétés physiques et mécaniques

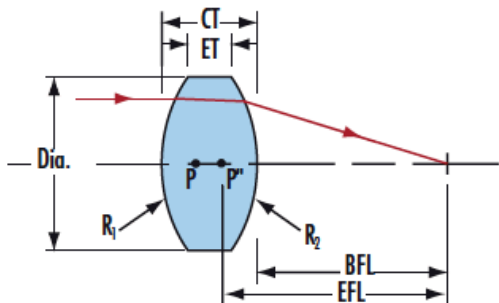
|                                       |                                                       |
|---------------------------------------|-------------------------------------------------------|
| 50.00 ±0.025                          | Diamètre (mm):                                        |
| <1                                    | Centrage (arcmin):                                    |
| Protective as needed                  | Biseau:                                               |
| 9.00                                  | Épaisseur Centrale CT (mm):                           |
| ±0.10                                 | Tolérance Épaisseur Centrale (mm):                    |
| 4.90                                  | Épaisseur au Bord ET (mm):                            |
| 49.00                                 | Ouverture Utile CA (mm):                              |
| Propriétés optiques                   |                                                       |
| 147.00                                | Distance Focale Arrière BFL (mm):                     |
| 150.00                                | Distance Focale EFL (mm):                             |
| NIR I (600-1050nm)                    | Traitement:                                           |
| R <sub>avg</sub> ≤0.5% @ 600 - 1050nm | Spécification du Traitement:                          |
| N-BK7                                 | Substrat: <input type="checkbox"/>                    |
| 40-20                                 | Qualité de Surface:                                   |
| 1.5λ                                  | Power (P-V) @ 632.8nm:                                |
| λ/4                                   | Irregularity (P-V) @ 632.8nm:                         |
| 153.49                                | Rayon R <sub>1</sub> =R <sub>2</sub> (mm):            |
| 3.00                                  | f/#:                                                  |
| 587.6                                 | Longueur d'Onde à la Focale Donnée (nm):              |
| 0.17                                  | Ouverture Numérique NA:                               |
| 600 - 1050                            | Gamme de Longueur d'Onde (nm):                        |
| 7 J/cm <sup>2</sup> @ 1064nm, 10ns    | Damage Threshold, By Design: <input type="checkbox"/> |
| Conformité réglementaire              |                                                       |
| Visionner                             | Certificate of Conformance:                           |

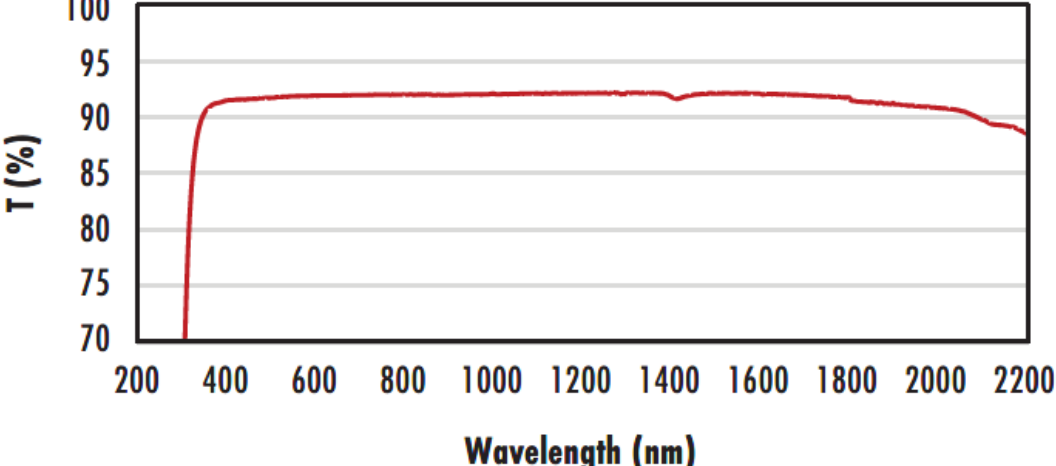
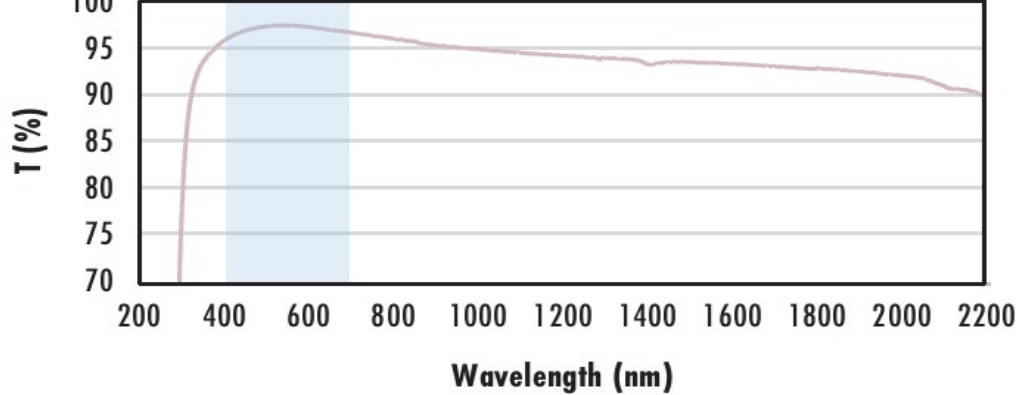
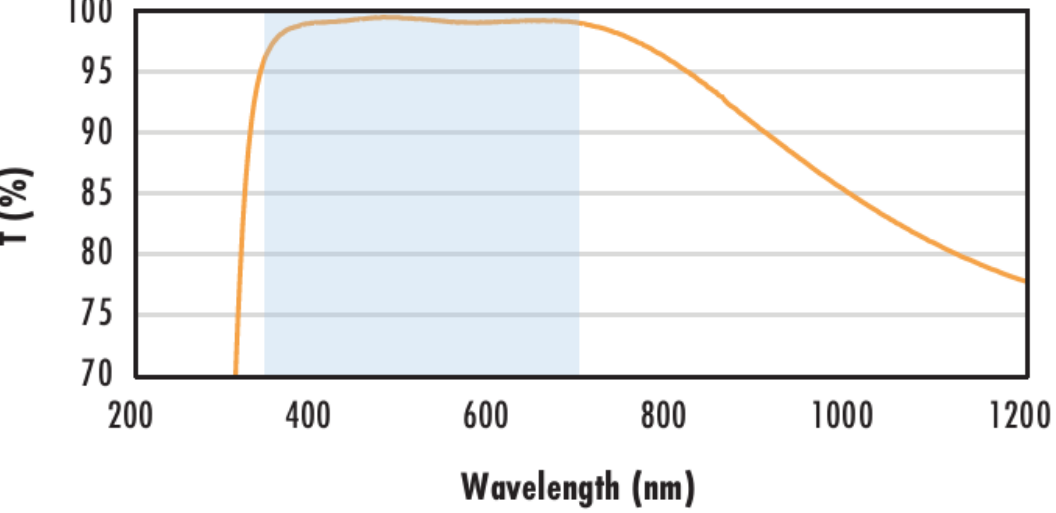
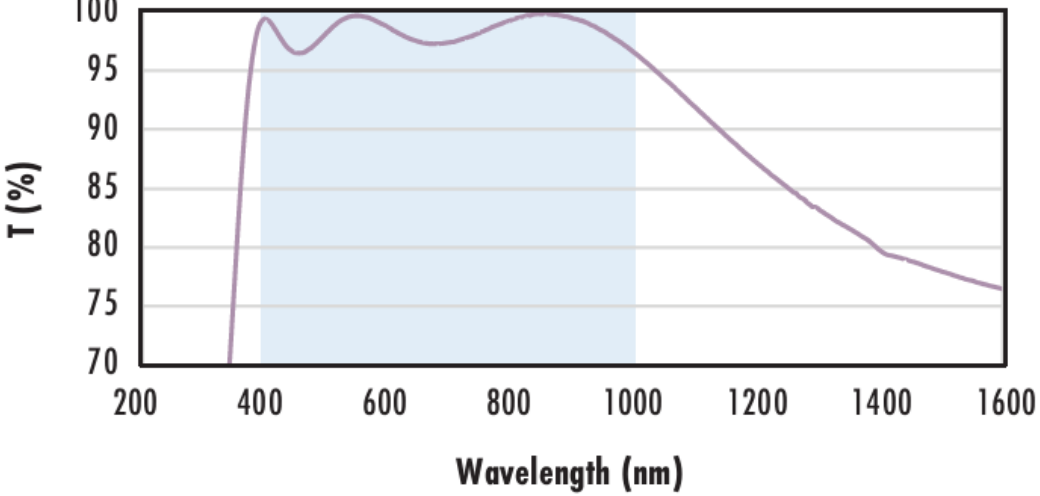
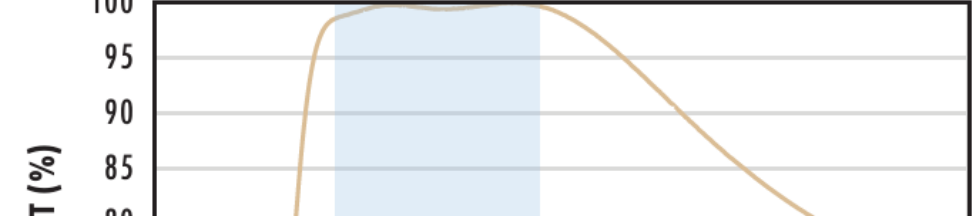
## Description produit

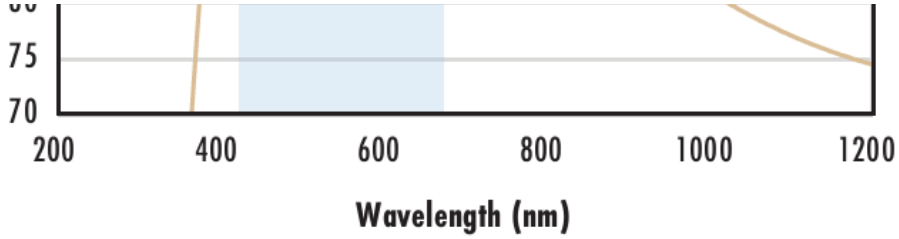
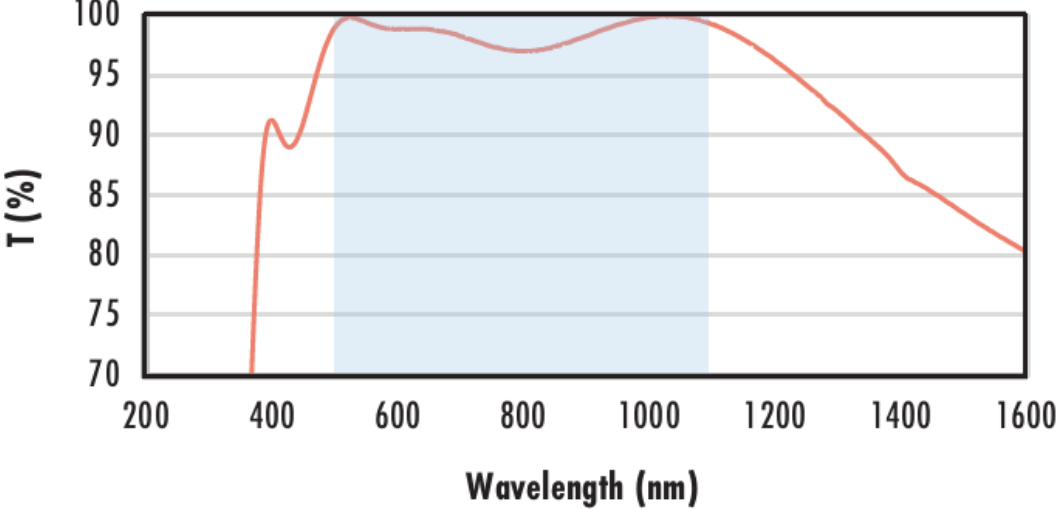
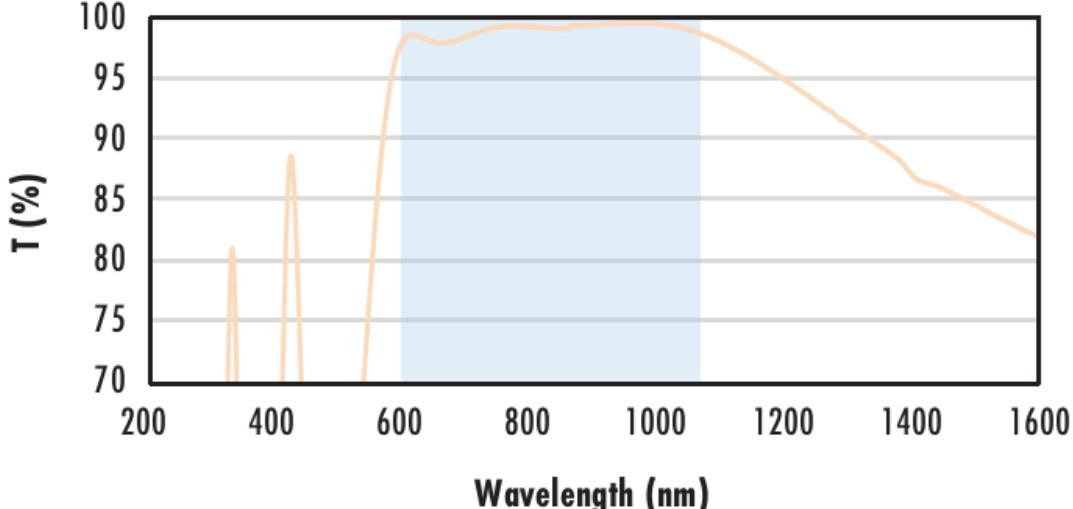
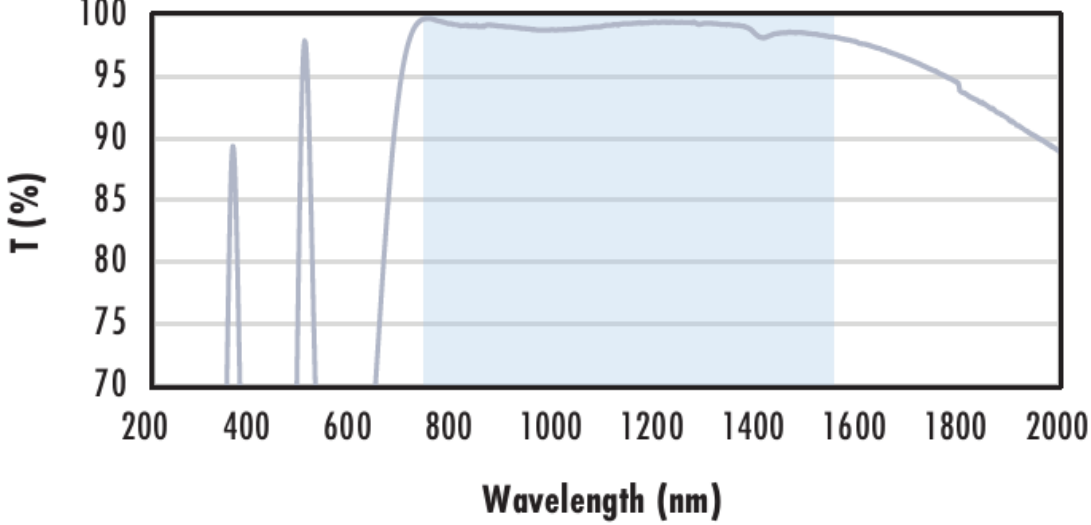
- Traitées AR pour procurer <0,5% de réflectivité par surface de 600 à 1.050 nm
- Mnimisent les aberrations sphériques et la coma
- **Lentilles DCX en Silice Fondue UV** disponibles
- D'autres options de traitement disponibles : **Non Traitées**, **MgF<sub>2</sub>**, **VIS 0°**, **NIR II**, **VIS-EXT**, **VIS-NIR** et **YAG-BBAR**

Les Lentilles Biconvexes (DCX) avec Traitement AR NIR-I TECHSPEC®, également appelées lentilles double-convexes (DCX), ont deux faces positives et symétriques avec des rayons égaux des deux côtés. Ces lentilles sont généralement recommandées pour les applications d'imagerie finie avec un rapport conjugué (rapport entre la distance de l'objet et la distance de l'image) compris entre 0,2 et 5. Pour un rapport conjugué de 1, les aberrations telles que l'aberration sphérique, l'aberration chromatique, la coma et la distorsion sont minimisées ou annulées grâce à la conception symétrique de la lentille. Les Lentilles Biconvexes (DCX) avec Traitement AR NIR-I TECHSPEC sont disponibles dans une variété de substrats et d'options de traitement pour les spectres visible et NIR.

## Informations techniques



|                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N-BK7                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <div data-bbox="262 201 1249 715"><h3>Uncoated N-BK7 Typical Transmission</h3></div>                       | <div data-bbox="1339 409 1843 492"><p>Typical transmission of a 3mm thick, uncoated N-BK7 window across the UV - NIR spectra.</p><p><a href="#">Click Here to Download Data</a></p></div>                                                                                                                                                                                                                                                                                                                                                                             |
| <div data-bbox="262 795 1213 1273"><h3>N-BK7 with MgF<sub>2</sub> Coating Typical Transmission</h3></div> | <div data-bbox="1339 884 1843 1133"><p>Typical transmission of a 3mm thick N-BK7 window with MgF2 (400-700nm) coating at 0° AOI.</p><p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p><p><math>R_{avg} \leq 1.75\% @ 400 - 700\text{nm}</math> (N-BK7)</p><p>Data outside this range is not guaranteed and is for reference only.</p><p><a href="#">Click Here to Download Data</a></p></div>                                                                                                             |
| <div data-bbox="262 1314 1249 1902"><h3>N-BK7 with VIS-EXT Coating Typical Transmission</h3></div>       | <div data-bbox="1339 1478 1843 1727"><p>Typical transmission of a 3mm thick N-BK7 window with VIS-EXT (350-700nm) coating at 0° AOI.</p><p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p><p><math>R_{avg} \leq 0.5\% @ 350 - 700\text{nm}</math></p><p>Data outside this range is not guaranteed and is for reference only.</p><p><a href="#">Click Here to Download Data</a></p></div>                                                                                                                  |
| <div data-bbox="262 1952 1234 2525"><h3>N-BK7 with VIS-NIR Coating Typical Transmission</h3></div>       | <div data-bbox="1339 2071 1843 2389"><p>Typical transmission of a 3mm thick N-BK7 window with VIS-NIR (400-1000nm) coating at 0° AOI.</p><p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p><p><math>R_{abs} \leq 0.25\% @ 880\text{nm}</math><br/><math>R_{avg} \leq 1.25\% @ 400 - 870\text{nm}</math><br/><math>R_{avg} \leq 1.25\% @ 890 - 1000\text{nm}</math></p><p>Data outside this range is not guaranteed and is for reference only.</p><p><a href="#">Click Here to Download Data</a></p></div> |
| <div data-bbox="262 2576 1171 2887"><h3>N-BK7 with VIS 0° Coating Typical Transmission</h3></div>        | <div data-bbox="1339 2706 1843 2893"><p>Typical transmission of a 3mm thick N-BK7 window with VIS 0° (425-675nm) coating at 0° AOI.</p><p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p><p><math>R_{avg} \leq 0.4\% @ 425 - 675\text{nm}</math></p><p>Data outside this range is not guaranteed and is for reference</p></div>                                                                                                                                                                           |

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

### Sur mesure

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.

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### Montures compatibles

