

TECHSPEC® 25 mm Dia. x 200 mm FL, Lentille Biconvexe (DCX) avec Traitement AR VIS-NIR



Stock **#33-397** 13 In Stock

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-

1

+

€53⁰⁵

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-9	€53,05 prix unitaire
Qté 10-24	€47,64 prix unitaire
Qté 25-99	€42,49 prix unitaire
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 Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

SPÉCIFICATIONS

Caractéristiques du produit

Double-Convex Lens	Type:
Propriétés physiques et mécaniques	
25.00 +0.0/-0.025	Diamètre (mm):
<1	Centrage (arcmin):
Protective as needed	Biseau:
5.00	Épaisseur Centrale CT (mm):
±0.10	Tolérance Épaisseur Centrale (mm):
4.24	Épaisseur au Bord ET (mm):
24.00	Ouverture Utile CA (mm):
Propriétés optiques	
198.35	Distance Focale Arrière BFL (mm):
200.00	Distance Focale EFL (mm):
VIS-NIR (400-1000nm)	Traitement:
R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870 nm R _{avg} ≤1.25% @ 890 - 1000nm	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:
205.865	Rayon R ₁ =R ₂ (mm):
8.00	f/#:
587.6	Longueur d'Onde à la Focale Donnée (nm):
±1	Tolérance Distance Focale (%):
0.06	Ouverture Numérique NA:
400 - 1000	Gamme de Longueur d'Onde (nm):
5 J/cm ² @ 532nm, 10ns	Damage Threshold, By Design: ☐
Conformité réglementaire	
Conforme	RoHS 2015:
Visionner	Certificate of Conformance:
Conforme	Reach 235:

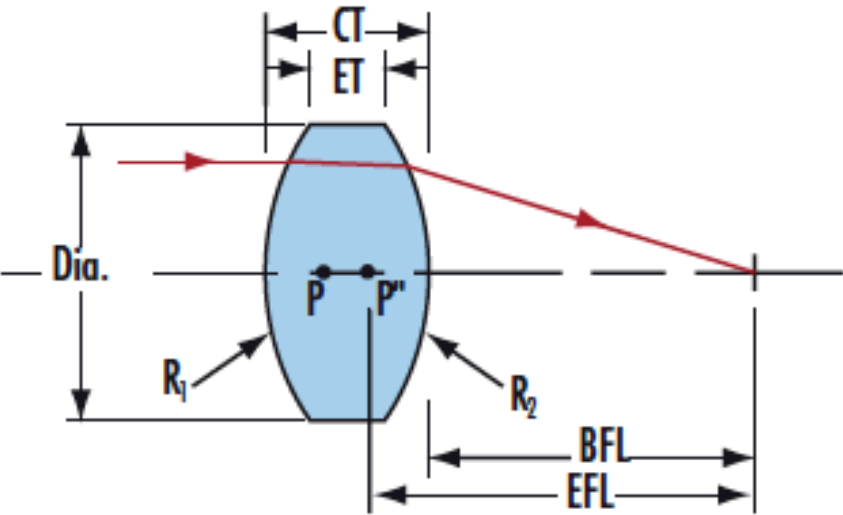
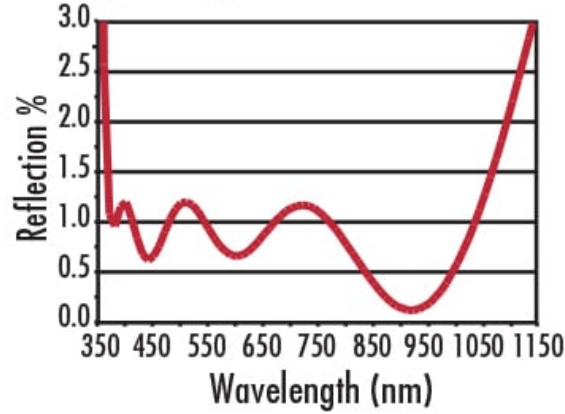
DESCRIPTION PRODUIT

- Traitées AR pour procurer <1,25% de réflectivité par surface de 400 à 1.000 nm
- Minimisent les aberrations sphériques et la coma
- **Lentilles DCX en Silice Fondue UV** disponibles
- D'autres options de traitement disponibles : **Non Traitées, MgF₂, VIS 0°, NIR I, NIR II, VIS-EXT** et **YAG-BBAR**

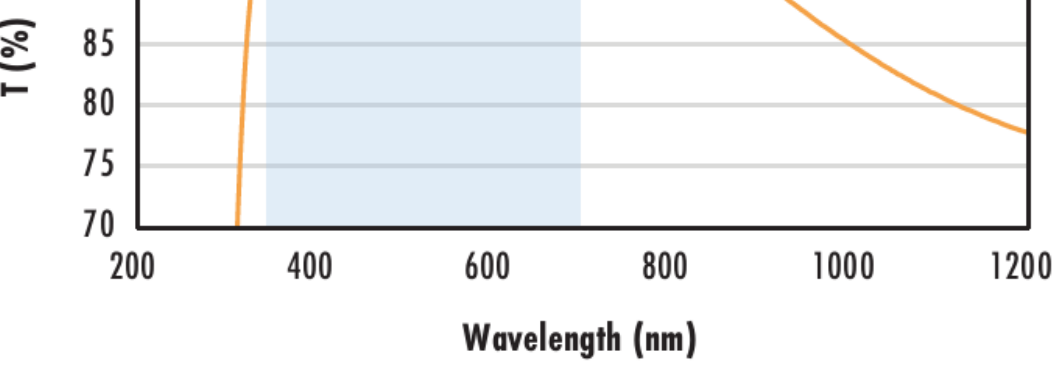
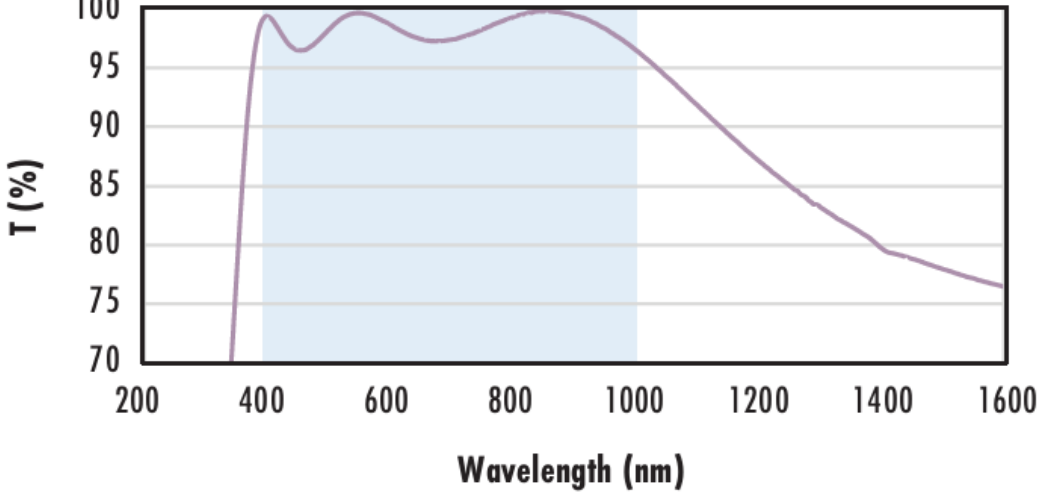
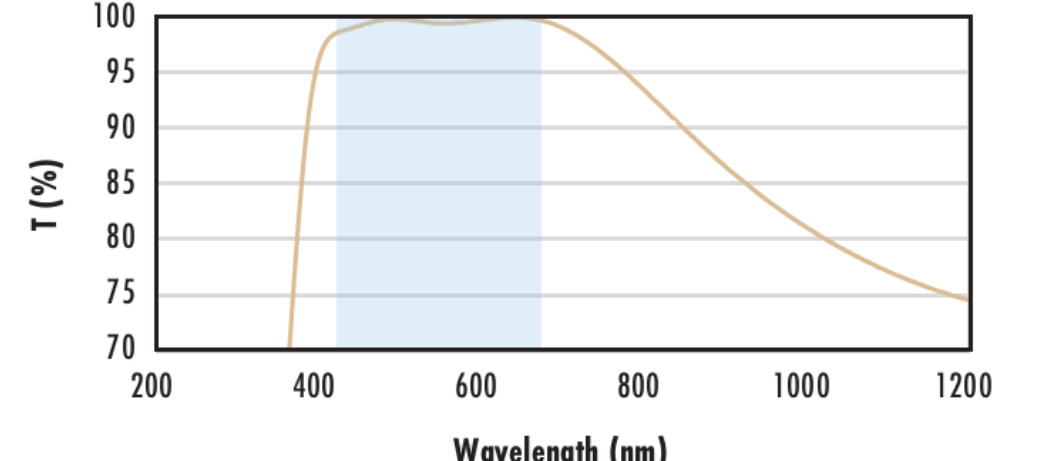
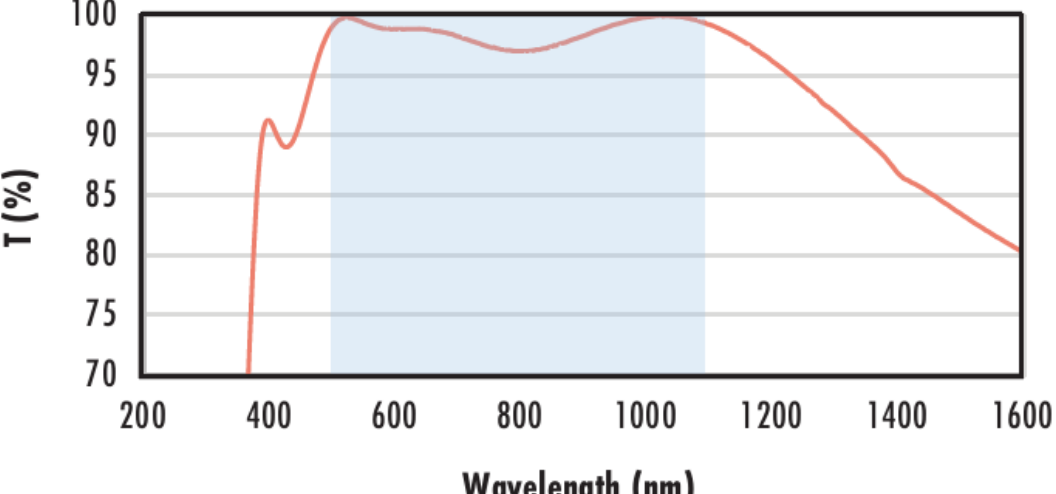
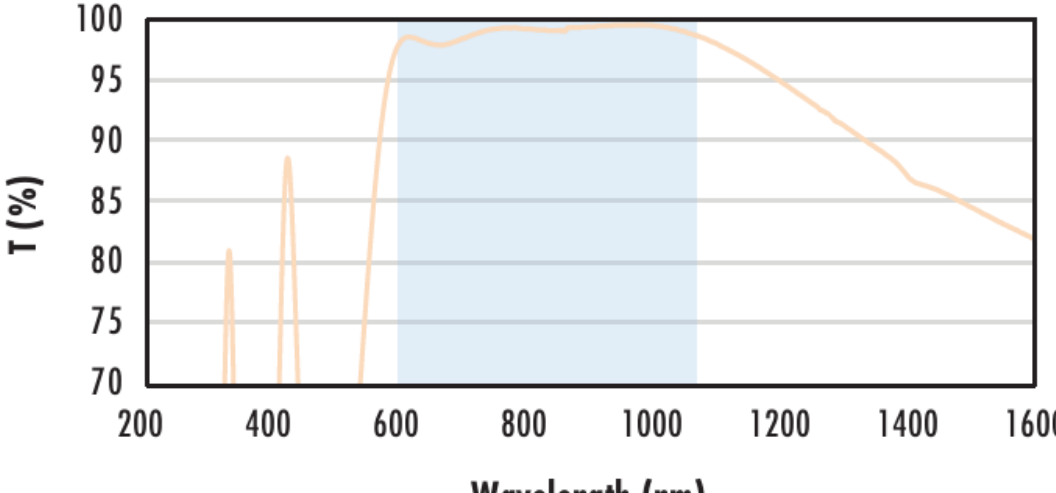
Les Lentilles Biconvexes (DCX) avec Traitement AR VIS-NIR TECHSPEC®, également appelées lentilles double-convexes (DCX), ont deux faces positives et symétriques avec des rayons égaux des deux côtés. Ces lentilles sont généralement recommandées pour les applications d'imagerie finie avec un rapport conjugué (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 VIS-NIR TECHSPEC sont disponibles dans une variété de substrats et d'options de traitement pour les spectres visible et NIR.

INFORMATIONS TECHNIQUES

VIS-NIR Coating
 $R_{avg} \leq 0.25\%$ @ 880nm, $R_{avg} \leq 1.25\%$ @ 400 - 1000nm
Typ. Energy Density Limit: 5 J/cm² @ 532nm, 10ns



N-BK7	
Uncoated N-BK7 Typical Transmission A line graph showing the typical transmission of an uncoated N-BK7 window. The y-axis is labeled 'T (%)' and ranges from 70 to 100 in increments of 5. The x-axis is labeled 'Wavelength (nm)' and ranges from 200 to 2200 in increments of 200. The curve starts at approximately 70% at 200 nm, rises sharply to about 92% at 400 nm, and then remains relatively flat, ending at about 88% at 2200 nm.	Typical transmission of a 3mm thick, uncoated N-BK7 window across the UV - NIR spectra. Click Here to Download Data
N-BK7 with MgF₂ Coating Typical Transmission A line graph showing the typical transmission of an N-BK7 window with a MgF₂ coating. The y-axis is labeled 'T (%)' and ranges from 70 to 100 in increments of 5. The x-axis is labeled 'Wavelength (nm)' and ranges from 200 to 2200 in increments of 200. The curve starts at approximately 70% at 200 nm, rises to about 95% at 400 nm, peaks at about 98% at 500 nm, and then gradually decreases to about 90% at 2200 nm. A blue shaded region highlights the coating design wavelength range from approximately 400 nm to 700 nm.	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 - 700nm (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 A line graph showing the typical transmission of an N-BK7 window with a VIS-EXT coating. The y-axis is labeled 'T (%)' and ranges from 90 to 100 in increments of 5. The x-axis is labeled 'Wavelength (nm)' and ranges from 200 to 2200 in increments of 200. The curve starts at approximately 90% at 200 nm, rises to about 98% at 400 nm, peaks at about 99% at 500 nm, and then gradually decreases to about 90% at 2200 nm. A blue shaded region highlights the coating design wavelength range from approximately 350 nm to 700 nm.	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

	The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{avg} \leq 0.5\%$ @ 350 - 700nm 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: $R_{abs} \leq 0.25\%$ @ 880nm $R_{avg} \leq 1.25\%$ @ 400 - 870nm $R_{avg} \leq 1.25\%$ @ 890 - 1000nm Data outside this range is not guaranteed and is for reference only. 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

$R_{abs} \leq 1.5\% @ 750 - 800\text{nm}$
 $R_{abs} \leq 1.0\% @ 800 - 1550\text{nm}$
 $R_{avg} \leq 0.7\% @ 750 - 1550\text{nm}$

[Click Here to Download Data](#)

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