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TECHSPEC[®] 6 mm Dia. x 20 mm FL, Lentille PCX, Bord Noircir, NIR I Traitée



Stock **#38-318** 9 In Stock

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-

1

+

€49^{.75}

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-9	€49,75 prix unitaire
Qté 10-24	€44,75 prix unitaire
Qté 25-49	€39,75 prix unitaire
Need More?	Demande de Devis

ⓘ Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Plano-Convex Lens

Type:

Propriétés physiques et mécaniques

25.40 +0.0/-0.025	Diamètre (mm):
<1	Centrage (arcmin):
5.90 ±0.10	Épaisseur Centrale CT (mm):
1.54	Épaisseur au Bord ET (mm):
24.4	Ouverture Utile CA (mm):
Protective as needed	Biseau:

Propriétés optiques	
40.00 @ 587.6nm	Distance Focale EFL (mm):
36.11	Distance Focale Arrière BFL (mm):
VIS 0° (425-675nm)	Traitement:
Ravg ≤0.4% @ 425 - 675nm	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 (%):
20.67	Rayon R ₁ (mm):
1.57	f/#:
0.32	Ouverture Numérique NA:
425 - 675	Gamme de Longueur d'Onde (nm):
5 J/cm² @ 532nm, 10ns	Damage Threshold, Reference: □

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](#).

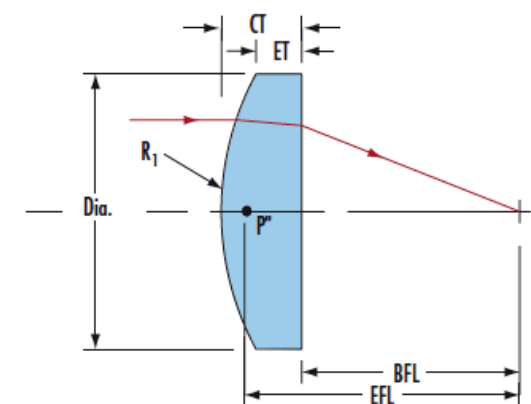
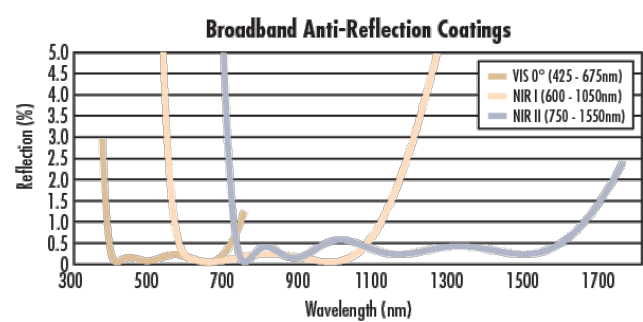
Description produit

- Traitées AR pour procurer und réflectivité <0,4% par surface de 425 nm à 675 nm
- Conçues pour un angle d'incidence de 0°
- Diverses options de traitement : **Non Traitées**, **MgF₂**, **VIS-NIR**, **NIR I**, **NIR II**, **VIS-EXT** et **YAG-BBAR**

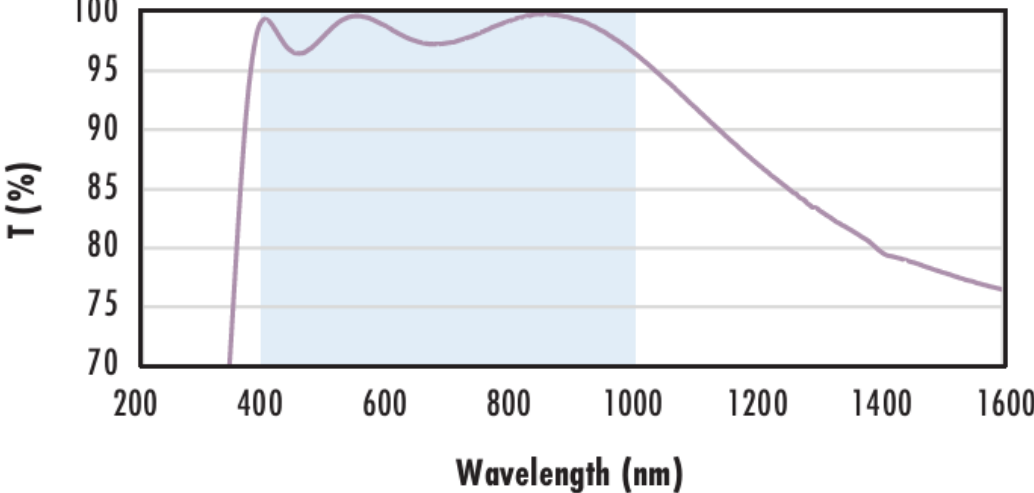
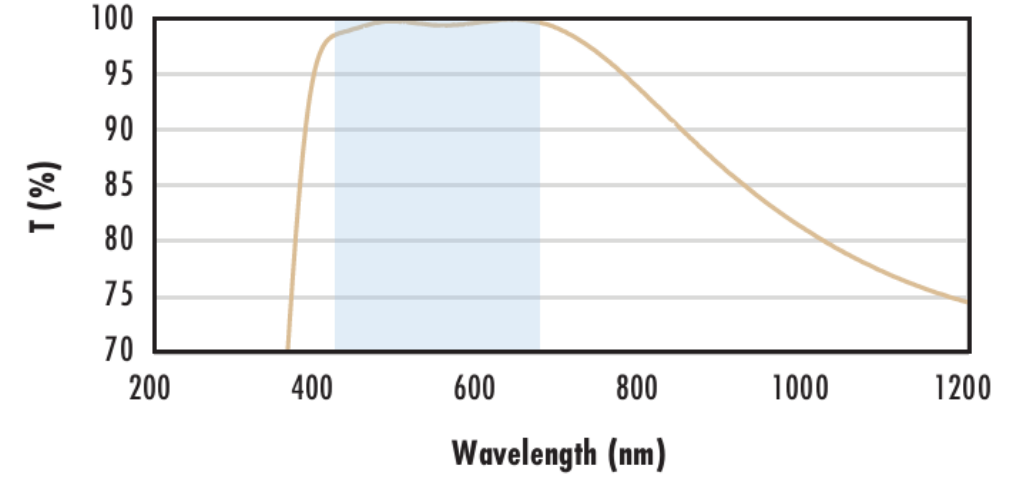
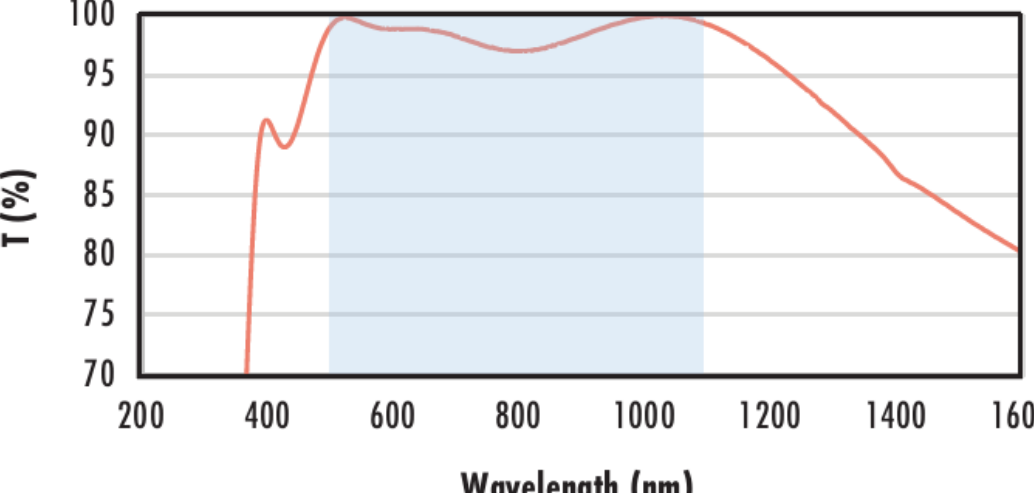
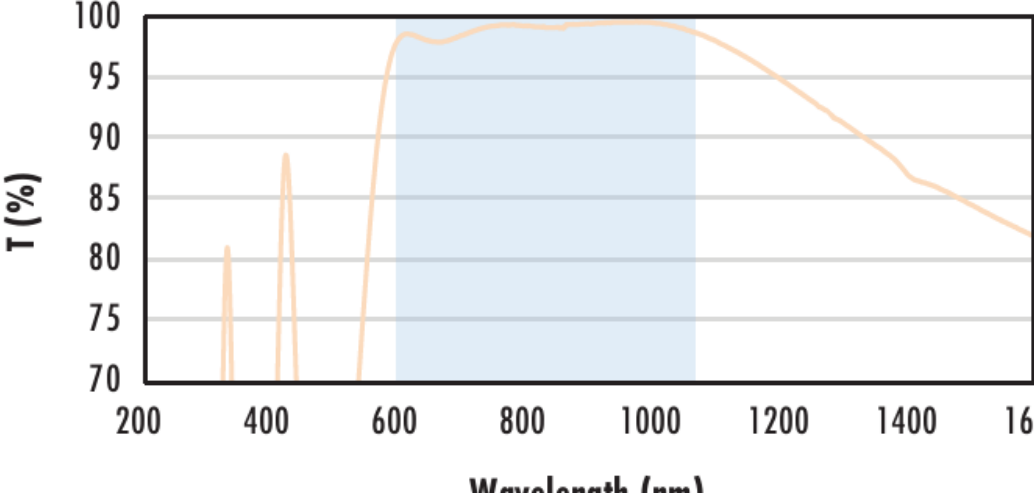
Les Lentilles Plan-Convexes (PCX) Traitées VIS 0° TECHSPEC® possèdent une distance focale positive, les rendant idéales pour recueillir et focaliser la lumière dans des applications d'imagerie. Elles sont également utiles dans une variété d'applications impliquant les émetteurs, détecteurs, lasers et fibres optiques. Les lentilles plan-convexes sont idéales pour une multitude d'applications optiques et photoniques, y compris les instruments biotechnologiques tels que les séquenceurs d'ADN et les plates-formes de test de réaction en chaîne par polymérase (PCR). Les Lentilles Plan-Convexes (PCX) Traitées VIS 0° 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 des traitements antireflets à large bande (BBAR), qui comprennent **MgF₂**, **VIS-NIR**, **NIR I**, **NIR II**, **VIS-EXT** et **YAG-BBAR**.

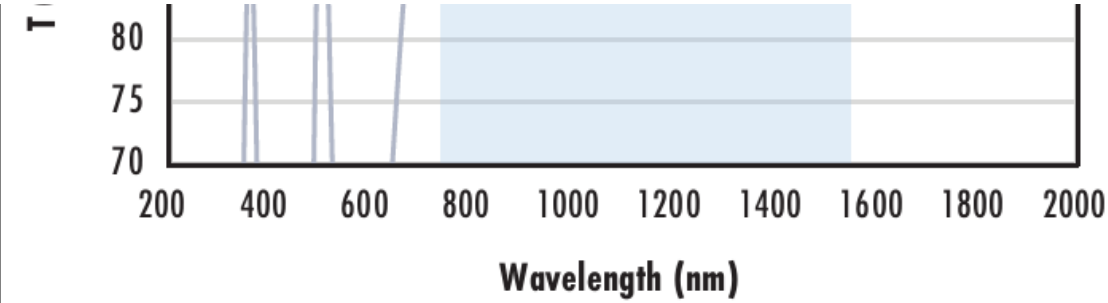
Ces lentilles traitées peuvent être utilisées dans une multitude d'applications optiques et photoniques, notamment dans les instruments biotechnologiques tels que les séquenceurs d'ADN et les plates-formes de test de réaction en chaîne par polymérase (PCR).

Informations techniques



N-BK7																									
Uncoated N-BK7 Typical Transmission The graph shows the typical transmission of a 3mm thick, uncoated N-BK7 window across the UV-NIR spectra. The transmission is high, starting at ~70% at 200 nm, rising to ~92% at 400 nm, and remaining stable until ~2000 nm, where it drops to ~88% at 2200 nm. <table border="1"><thead><tr><th>Wavelength (nm)</th><th>T (%)</th></tr></thead><tbody><tr><td>200</td><td>~70</td></tr><tr><td>400</td><td>~92</td></tr><tr><td>600</td><td>~92</td></tr><tr><td>800</td><td>~92</td></tr><tr><td>1000</td><td>~92</td></tr><tr><td>1200</td><td>~92</td></tr><tr><td>1400</td><td>~92</td></tr><tr><td>1600</td><td>~92</td></tr><tr><td>1800</td><td>~92</td></tr><tr><td>2000</td><td>~91</td></tr><tr><td>2200</td><td>~88</td></tr></tbody></table>	Wavelength (nm)	T (%)	200	~70	400	~92	600	~92	800	~92	1000	~92	1200	~92	1400	~92	1600	~92	1800	~92	2000	~91	2200	~88	Typical transmission of a 3mm thick, uncoated N-BK7 window across the UV- NIR spectra. Click Here to Download Data
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N-BK7 with MgF₂ Coating Typical Transmission The graph shows the typical transmission of a 3mm thick N-BK7 window with MgF₂ (400-700nm) coating at 0° AOI. The transmission is high, starting at ~70% at 200 nm, rising to ~95% at 400 nm, and remaining stable until ~2000 nm, where it drops to ~90% at 2200 nm. A blue shaded region indicates the coating design wavelength range from 400 nm to 700 nm. <table border="1"><thead><tr><th>Wavelength (nm)</th><th>T (%)</th></tr></thead><tbody><tr><td>200</td><td>~70</td></tr><tr><td>400</td><td>~95</td></tr><tr><td>600</td><td>~95</td></tr><tr><td>800</td><td>~94</td></tr><tr><td>1000</td><td>~94</td></tr><tr><td>1200</td><td>~94</td></tr><tr><td>1400</td><td>~94</td></tr><tr><td>1600</td><td>~94</td></tr><tr><td>1800</td><td>~94</td></tr><tr><td>2000</td><td>~93</td></tr><tr><td>2200</td><td>~90</td></tr></tbody></table>	Wavelength (nm)	T (%)	200	~70	400	~95	600	~95	800	~94	1000	~94	1200	~94	1400	~94	1600	~94	1800	~94	2000	~93	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
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N-BK7 with VIS-EXT Coating Typical Transmission The graph shows the typical transmission of a 3mm thick N-BK7 window with VIS-EXT (350-700nm) coating at 0° AOI. The transmission is high, starting at ~70% at 200 nm, rising to ~98% at 350 nm, and remaining stable until ~700 nm, where it drops to ~95% at 800 nm, and continues to drop to ~78% at 1200 nm. A blue shaded region indicates the coating design wavelength range from 350 nm to 700 nm. <table border="1"><thead><tr><th>Wavelength (nm)</th><th>T (%)</th></tr></thead><tbody><tr><td>200</td><td>~70</td></tr><tr><td>350</td><td>~98</td></tr><tr><td>500</td><td>~98</td></tr><tr><td>600</td><td>~98</td></tr><tr><td>700</td><td>~98</td></tr><tr><td>800</td><td>~95</td></tr><tr><td>1000</td><td>~85</td></tr><tr><td>1200</td><td>~78</td></tr></tbody></table>	Wavelength (nm)	T (%)	200	~70	350	~98	500	~98	600	~98	700	~98	800	~95	1000	~85	1200	~78	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						
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700	~98																								
800	~95																								
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1200	~78																								

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
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



Coating Curves

Montures compatibles