

# DATA SHEET

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## B-40-N

### Applications

Lead-free NVIS blue filter glass for Nichia White LED sources.

### Nominal Physical Properties

Thickness (mm)	1.0
Density (g/cm <sup>3</sup> )	3.1
Thermal Expansion Coefficient (ppm/°C)	12
Dilatometric Softening Temperature (°C)	435
Glass Transition Temperature (°C)	403
Refractive Index (n <sub>D</sub> )	1.59

### Available Plate Dimensions

Standard size is 7"x7".

Also sizes up to 12"x12" available upon request.

Minimum thickness of 0.2",0.25",0.275",0.3",or 0.45"

### Nominal Optical Properties

Source	Chromaticity CIE 1976		Toleranc e Radius	Photopic Transmission	NVIS Radiance <i>Per MIL-STD-3009 @ 0.1 fL Luminance</i>	
	u'	v'	r'	Y%	NR(a)	NR(b)
NSCW007	tbd	tbd	0.01	tbd	tbd	tbd
NSCW100	0.16	0.22	0.01	30.4	$5.9 \times 10^{-11}$	$4.5 \times 10^{-12}$
NSCW455	0.15	0.23	0.01	31.3	$5.7 \times 10^{-11}$	$4.4 \times 10^{-12}$

