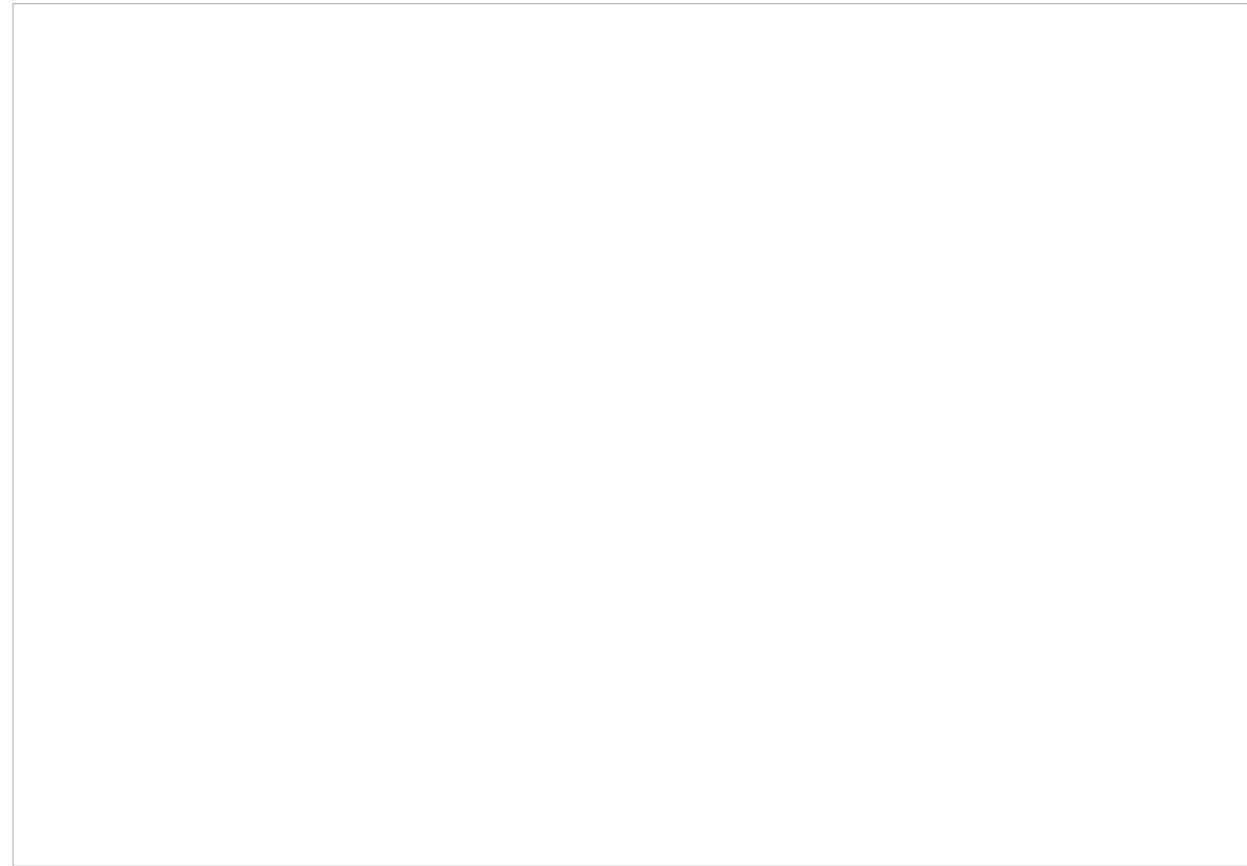


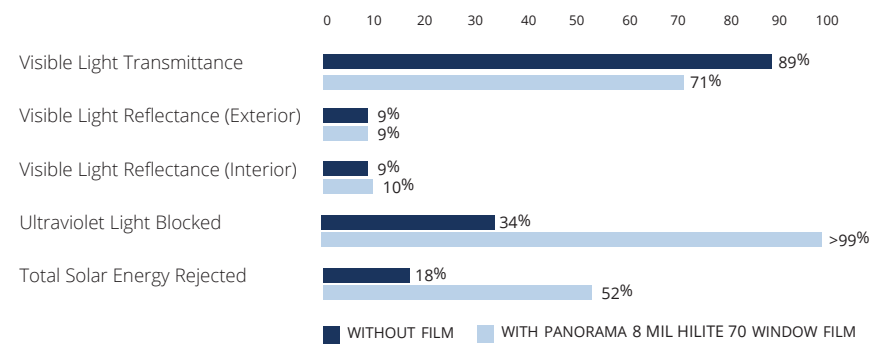
PANORAMA® 8 MIL HILITE® 70



INTERIOR VIEW



Comparison of performance on 1/4" (6mm) thick clear glass.

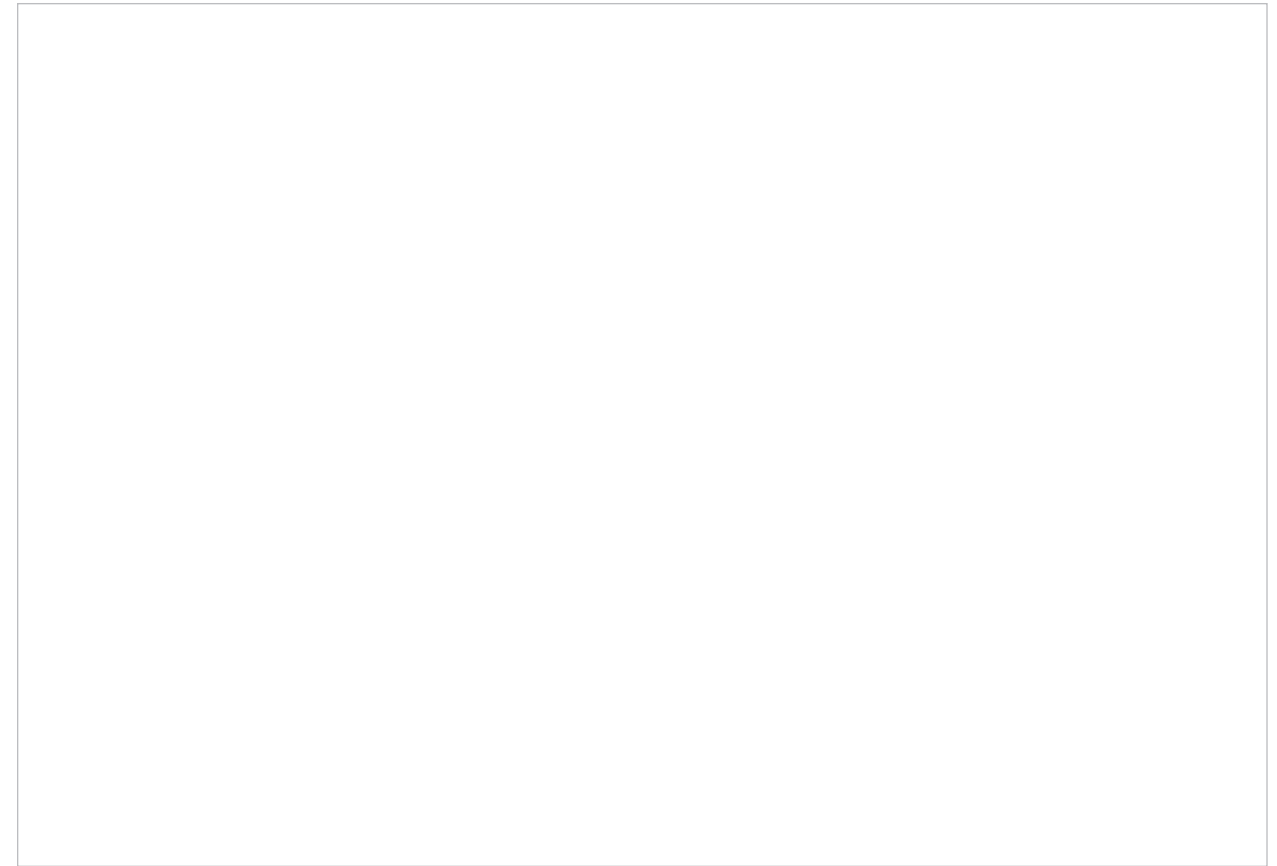


PANORAMA® 8 MIL HILITE 70

Barely noticeable, 8 Mil Hilite 70 features high optical clarity with low reflectance for uncompromised views, while rejecting more than half of solar energy, to keep room temperature comfortable and reduce cooling costs. Moreover, it can retain broken glass shards whether due to human impact, attempted burglary, severe weather, bomb blast, etc.

Improve the quality of your life by keeping out uncomfortable heat, protecting your furnishings and letting in the view you love, while keeping visual reflectivity minimal.

PANORAMA® 8 MIL HILITE® 70



EXTERIOR VIEW

Performance Parameters for Different Window Types

	1/8" (3mm) Single clear		1/4" (6 mm) Single clear		1/8" (3mm) Double clear		1/4" (6mm) Double clear	
	No film	8 Mil Hilite 70	No film	8 Mil Hilite 70	No film	8 Mil Hilite 70	No film	8 Mil Hilite 70
Visible light								
Transmittance %	90	72	89	71	81	65	79	64
Reflectance exterior %	9	9	9	9	16	16	15	16
Reflectance interior %	9	10	9	10	16	14	15	14
Glare reduction %	0	20	0	20	0	20	0	19
Solar Energy								
Total solar energy rejected %	14	52	18	52	24	48	30	48
Solar heat gain coefficient	.86	.48	.82	.48	.76	.52	.70	.52
Energy distribution								
Transmittance %	83	38	77	36	69	33	61	30
Absorptance %	9	34	16	40	18	41	27	50
Reflectance %	8	28	7	24	13	26	12	20
Thermal energy								
Emissivity	.84	.79	.84	.79	.84	.79	.84	.79
Winter U-factor (Btu hr/ft² °F)	1.04	1.01	1.02	.99	.48	.47	.47	.46
Fade control								
UV Tdw-ISO @ 300 to 700 nm %	85	48	82	48	74	44	70	43
Fade reduction %	0	44	0	41	0	41	0	39
Ultraviolet light blocked @ 300 to 380 nm %	27	>99	34	>99	41	>99	50	>99



1. Performance results are calculated using NFRC methodology and LBNL Window software, and are subject to variations within industry standards and only intended for estimating purposes. This data is provided for informational purposes only and are subject to normal manufacturing variances.
 2. Performance results for glare and fade reduction are calculated by comparing filmed glass to that of untreated glazing.

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