



PERFORMANCE DATA
for One-Inch Insulating Glass Units

Insulating Glass Unit Performance for 1-inch (25 mm) units with 1/2-inch (13 mm) airspace and two 1/4-inch (6 mm) lites

Outdoor Lite: Coating if Any (Surface) Glass	+ Glass Type Indoor Lite: Coating if Any (Surface) Glass	Visible Light Transmittance (VLT) ² %	Visible Light Reflectance ²		(Btu/hr·ft ² ·F) NFRC U-Value ³		Solar Heat Gain Coefficient (SHGC) ⁴	Color Rendering Index (CRI) ⁵
			Exterior %	Interior %	Winter Nighttime	Winter Argon		
Uncoated								
	CLEAR Glass + Clear	79	15	15	0.47	0.45	0.70	95
	ACUITY® + ACUITY®	82	15	15	0.47	0.45	0.78	98
	STARPHIRE® + STARPHIRE®	84	15	15	0.47	0.45	0.82	99
	SOLEXIA® + Clear	69	13	15	0.47	0.45	0.50	86
	ATLANTICA® + Clear	60	10	14	0.47	0.45	0.40	84
	AZURIA® + Clear	61	11	14	0.47	0.45	0.39	77
	SOLARBLUE® + Clear	50	9	13	0.47	0.45	0.49	84
	PACIFICA® + Clear	38	7	13	0.47	0.45	0.36	72
	SOLARBRONZE® + Clear	47	8	13	0.47	0.45	0.51	95
	OPTIGRAY® + Clear	56	10	13	0.47	0.45	0.52	94
	SOLARGRAY® + Clear	40	7	13	0.47	0.45	0.46	93
	GRAYLITE® II + Clear	8	4	12	0.47	0.45	0.22	85
Coated								

SOLARBAN® 60 Solar Control Low-e Glass

	SOLARBAN 60 (2) Clear + Clear	70	11	12	0.29	0.24	0.39	95
	SOLARBAN 60 (2) ACUITY + ACUITY	73	11	12	0.29	0.24	0.41	97
	SOLARBAN 60 (2) STARPHIRE + STARPHIRE	74	11	12	0.29	0.24	0.41	98
	SOLARBAN 60 (2) SOLEXIA + Clear	61	9	12	0.29	0.24	0.32	90
	SOLARBAN 60 (2) AZURIA + Clear	54	8	11	0.29	0.24	0.28	78
	SOLARBAN 60 (2) SOLARBLUE + Clear	45	7	11	0.29	0.24	0.29	94
	SOLARBAN 60 (2) PACIFICA + Clear	34	6	10	0.29	0.24	0.23	86
	SOLARBAN 60 (2) SOLARBRONZE + Clear	42	7	11	0.29	0.24	0.28	95
	SOLARBAN 60 (2) OPTIGRAY + Clear	50	8	11	0.29	0.24	0.30	94
	SOLARBAN 60 (2) SOLARGRAY + Clear	35	6	10	0.29	0.24	0.25	95
	SOLEXIA + SOLARBAN 60 (3) Clear	61	10	10	0.29	0.24	0.37	88
	ATLANTICA + SOLARBAN 60 (3) Clear	53	8	10	0.29	0.24	0.31	84
	AZURIA + SOLARBAN 60 (3) Clear	54	9	10	0.29	0.24	0.31	77
	SOLARBLUE + SOLARBAN 60 (3) Clear	45	7	9	0.29	0.24	0.33	84
	PACIFICA + SOLARBAN 60 (3) Clear	34	6	9	0.29	0.24	0.25	72
	SOLARBRONZE + SOLARBAN 60 (3) Clear	42	7	9	0.29	0.24	0.32	95
	OPTIGRAY + SOLARBAN 60 (3) Clear	50	8	9	0.29	0.24	0.35	93
	SOLARGRAY + SOLARBAN 60 (3) Clear	35	7	9	0.29	0.24	0.29	93
	GRAYLITE II + SOLARBAN 60 (3) Clear	7	4	8	0.29	0.24	0.13	84

SOLARBAN® 60 Solar Control Low-e Glass on OPTIBLUE®†† (formerly SOLARBAN® z50 Glass)

	SOLARBAN 60 (2) OPTIBLUE + Clear	51	8	11	0.29	0.24	0.32	91
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SOLARBAN® 65 Solar Control Low-e Glass

	SOLARBAN 65 (2) Clear + Clear	70	14	15	0.29	0.24	0.35	96
	SOLARBAN 65 (2) ACUITY + ACUITY	72	15	15	0.29	0.24	0.36	98
	SOLARBAN 65 (2) STARPHIRE + STARPHIRE	73	15	15	0.29	0.24	0.36	99
	SOLARBAN 65 (2) SOLEXIA + Clear	61	12	14	0.29	0.24	0.30	89
	SOLARBAN 65 (2) AZURIA + Clear	54	11	14	0.29	0.24	0.27	78
	SOLARBAN 65 (2) OPTIBLUE + Clear	50	10	14	0.29	0.24	0.29	92
	SOLARBAN 65 (2) SOLARBLUE + Clear	44	8	14	0.29	0.24	0.26	85
	SOLARBAN 65 (2) PACIFICA + Clear	33	7	13	0.29	0.24	0.21	72
	SOLARBAN 65 (2) SOLARBRONZE + Clear	42	8	14	0.29	0.24	0.25	95
	SOLARBAN 65 (2) OPTIGRAY + Clear	49	9	14	0.29	0.24	0.28	94
	SOLARBAN 65 (2) SOLARGRAY + Clear	35	7	13	0.29	0.24	0.23	94
	SOLEXIA + SOLARBAN 65 (3) + Clear	61	13	14	0.29	0.24	0.34	89
	ATLANTICA + SOLARBAN 65 (3) Clear	52	10	13	0.29	0.24	0.29	85
	AZURIA + SOLARBAN 65 (3) + Clear	54	11	13	0.29	0.24	0.30	78
	SOLARBLUE + SOLARBAN 65 (3) + Clear	44	9	13	0.29	0.24	0.30	85
	PACIFICA + SOLARBAN 65 (3) + Clear	33	7	12	0.29	0.24	0.24	72
	SOLARBRONZE + SOLARBAN 65 (3) + Clear	42	8	13	0.29	0.24	0.29	95
	OPTIGRAY + SOLARBAN 65 (3) + Clear	49	9	13	0.29	0.24	0.32	94
	SOLARGRAY + SOLARBAN 65 (3) + Clear	35	7	13	0.29	0.24	0.26	94
	GRAYLITE II + SOLARBAN 65 (3) Clear	7	4	12	0.29	0.24	0.12	85

Insulating Glass Unit Performance for 1-inch (25 mm) units with 1/2-inch (13 mm) airspace and two 1/4-inch (6 mm) lites

Outdoor Lite: Coating if Any (Surface) Glass	+ Glass Type Indoor Lite: Coating if Any (Surface) Glass	Visible Light Transmittance (VLT) ² %	Visible Light Reflectance ²		(Btu/hr·ft ² ·F) NFRC U-Value ³		Solar Heat Gain Coefficient (SHGC) ⁴	Color Rendering Index (CRI) ⁵
			Exterior %	Interior %	Winter Nighttime	Winter Argon		

SOLARBAN® 70 Solar Control Low-e Glass¹ (formerly SOLARBAN® 70XL Glass)

SOLARBAN 70 (2) [†] + Clear	64	13	14	0.28	0.24	0.27	91
SOLARBAN 70 (2) SOLEXIA + Clear	56	11	14	0.28	0.24	0.26	85
SOLARBAN 70 (2) AZURIA + Clear	50	10	13	0.28	0.24	0.24	69
SOLARBAN 70 (2) SOLARBLUE + Clear	41	8	13	0.28	0.24	0.22	81
SOLARBAN 70 (2) PACIFICA + Clear	31	7	13	0.28	0.24	0.19	69
SOLARBAN 70 (2) SOLARBRONZE + Clear	39	8	13	0.28	0.24	0.20	93
SOLARBAN 70 (2) OPTIGRAY + Clear	46	9	13	0.28	0.24	0.23	89
SOLARBAN 70 (2) SOLARGRAY + Clear	32	7	13	0.28	0.24	0.19	89
SOLEXIA + SOLARBAN 70 (3) [†]	56	11	12	0.28	0.24	0.32	85
ATLANTICA + SOLARBAN 70 (3) [†]	48	9	11	0.28	0.24	0.28	81
AZURIA + SOLARBAN 70 (3) [†]	49	9	11	0.28	0.24	0.29	75
SOLARBLUE + SOLARBAN 70 (3) [†]	41	8	12	0.28	0.24	0.27	81
PACIFICA + SOLARBAN 70 (3) [†]	31	6	10	0.28	0.24	0.22	69
SOLARBRONZE + SOLARBAN 70 (3) [†]	38	8	11	0.28	0.24	0.26	93
OPTIGRAY + SOLARBAN 70 (3) [†]	46	9	12	0.28	0.24	0.28	90
SOLARGRAY + SOLARBAN 70 (3) [†]	32	7	11	0.28	0.24	0.24	89
GRAYLITE II + SOLARBAN 70 (3) [†]	6	4	10	0.28	0.24	0.11	81

SOLARBAN® 70 Solar Control Low-e Glass on OPTIBLUE®^{††} (formerly SOLARBAN® z75 Glass)

SOLARBAN 70 (2) OPTIBLUE + Clear	46	9	13	0.28	0.24	0.23	87
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SOLARBAN® 72 Solar Control Low-e Glass

SOLARBAN 72 (2) ACUITY + ACUITY	67	13	14	0.28	0.24	0.28	94
SOLARBAN 72 (2) STARPHIRE + STARPHIRE	68	13	14	0.28	0.24	0.28	95

SOLARBAN® 90 Solar Control Low-e Glass

SOLARBAN 90 (2) Clear + Clear	51	12	19	0.29	0.24	0.23	92
SOLARBAN 90 (2) ACUITY + ACUITY	53	12	19	0.29	0.24	0.23	94
SOLARBAN 90 (2) STARPHIRE + STARPHIRE	54	13	20	0.29	0.24	0.23	95
SOLARBAN 90 (2) SOLEXIA + Clear	44	10	19	0.29	0.24	0.22	86
SOLARBAN 90 (2) AZURIA + Clear	39	9	19	0.29	0.24	0.21	75
SOLARBAN 90 (2) OPTIBLUE + Clear	37	8	19	0.29	0.24	0.20	88
SOLARBAN 90 (2) SOLARBLUE + Clear	32	8	18	0.29	0.24	0.19	81
SOLARBAN 90 (2) PACIFICA + Clear	24	6	18	0.29	0.24	0.17	69
SOLARBAN 90 (2) SOLARBRONZE + Clear	31	7	18	0.29	0.24	0.18	94
SOLARBAN 90 (2) OPTIGRAY + Clear	36	8	19	0.29	0.24	0.20	90
SOLARBAN 90 (2) SOLARGRAY + Clear	26	6	18	0.29	0.24	0.17	90
SOLEXIA + SOLARBAN 90 (3) Clear	44	16	12	0.29	0.24	0.30	86
ATLANTICA + SOLARBAN 90 (3) Clear	39	13	12	0.29	0.24	0.26	82
AZURIA + SOLARBAN 90 (3) Clear	39	13	12	0.29	0.24	0.27	75
SOLARBLUE + SOLARBAN 90 (3) Clear	32	10	11	0.29	0.24	0.25	81
PACIFICA + SOLARBAN 90 (3) Clear	24	8	11	0.29	0.24	0.21	69
SOLARBRONZE + SOLARBAN 90 (3) Clear	30	10	11	0.29	0.24	0.24	94
OPTIGRAY + SOLARBAN 90 (3) Clear	36	12	11	0.29	0.24	0.27	90
SOLARGRAY + SOLARBAN 90 (3) Clear	25	8	11	0.29	0.24	0.22	90
GRAYLITE II + SOLARBAN 90 (3) Clear	5	4	11	0.29	0.24	0.11	82

SOLARBAN® R100 Neutral-Reflective Low-e Glass

SOLARBAN R100 (2) Clear + Clear	42	32	14	0.29	0.25	0.23	93
SOLARBAN R100 (2) ACUITY + ACUITY	43	33	13	0.29	0.25	0.23	92
SOLARBAN R100 (2) STARPHIRE + STARPHIRE	44	33	14	0.29	0.25	0.23	93
SOLARBAN R100 (2) SOLEXIA + Clear	36	25	13	0.29	0.25	0.21	83
SOLARBAN R100 (2) AZURIA + Clear	32	21	13	0.29	0.25	0.19	72
SOLARBAN R100 (2) OPTIBLUE + Clear	30	19	13	0.29	0.25	0.20	86
SOLARBAN R100 (2) SOLARBLUE + Clear	26	15	13	0.29	0.25	0.19	79
SOLARBAN R100 (2) PACIFICA + Clear	20	11	13	0.29	0.25	0.16	66
SOLARBAN R100 (2) SOLARBRONZE + Clear	25	15	13	0.29	0.25	0.18	95
SOLARBAN R100 (2) OPTIGRAY + Clear	29	18	13	0.29	0.25	0.20	89
SOLARBAN R100 (2) SOLARGRAY + Clear	21	12	13	0.29	0.25	0.17	89

Insulating Glass Unit Performance for 1-inch (25 mm) units with 1/2-inch (13 mm) airspace and two 1/4-inch (6 mm) lites

Outdoor Lite: Coating if Any (Surface) Glass	+ Glass Type Indoor Lite: Coating if Any (Surface) Glass	Visible Light Transmittance (VLT) ² %	Visible Light Reflectance ²		(Btu/hr·ft ² ·F) NFRC U-Value ³		Solar Heat Gain Coefficient (SHGC) ⁴	Color Rendering Index (CRI) ⁵
			Exterior %	Interior %	Winter Nighttime	Winter Argon		

SOLARBAN® R77 Neutral-Reflective Low-e Glass

SOLARBAN R77 (2) Clear + Clear	47	25	16	0.29	0.24	0.25	94
SOLARBAN R77 (2) ACUIITY + ACUIITY	49	26	16	0.29	0.24	0.25	95
SOLARBAN R77 (2) STARPHIRE + STARPHIRE	50	26	16	0.29	0.24	0.25	98
SOLARBAN R77 (2) SOLEXIA + Clear	41	20	16	0.29	0.24	0.23	87
SOLARBAN R77 (2) AZURIA + Clear	36	17	16	0.29	0.24	0.21	76
SOLARBAN R77 (2) OPTIBLUE + Clear	34	15	16	0.29	0.24	0.21	90
SOLARBAN R77 (2) SOLARBLUE + Clear	30	13	16	0.29	0.24	0.20	83
SOLARBAN R77 (2) PACIFICA + Clear	23	9	15	0.29	0.24	0.17	70
SOLARBAN R77 (2) SOLARBRONZE + Clear	28	12	16	0.29	0.24	0.19	96
SOLARBAN R77 (2) OPTIGRAY + Clear	33	15	16	0.29	0.24	0.21	93
SOLARBAN R77 (2) SOLARGRAY + Clear	23	10	15	0.29	0.24	0.18	93

SOLARBAN® R67 Neutral-Reflective Low-e Glass (formerly SOLARBAN® 67 Glass)

SOLARBAN R67 (2) Clear + Clear	54	19	16	0.29	0.24	0.29	92
SOLARBAN R67 (2) ACUIITY + ACUIITY	56	19	16	0.29	0.24	0.30	94
SOLARBAN R67 (2) STARPHIRE + STARPHIRE	57	20	16	0.29	0.24	0.30	95
SOLARBAN R67 (2) SOLEXIA + Clear	47	16	16	0.29	0.24	0.25	85
SOLARBAN R67 (2) AZURIA + Clear	42	13	16	0.29	0.24	0.23	74
SOLARBAN R67 (2) OPTIBLUE + Clear	39	12	15	0.29	0.24	0.25	88
SOLARBAN R67 (2) SOLARBLUE + Clear	34	10	15	0.29	0.24	0.23	81
SOLARBAN R67 (2) PACIFICA + Clear	26	8	15	0.29	0.24	0.19	68
SOLARBAN R67 (2) SOLARBRONZE + Clear	32	10	15	0.29	0.24	0.22	95
SOLARBAN R67 (2) OPTIGRAY + Clear	38	12	15	0.29	0.24	0.24	90
SOLARBAN R67 (2) SOLARGRAY + Clear	27	8	15	0.29	0.24	0.20	90

SOLARBAN CHAMPANE™ Low-e Glass

SOLARBAN CHAMPANE (2) Clear + Clear	45	26	12	0.29	0.24	0.25	90
SOLARBAN CHAMPANE (2) ACUIITY + ACUIITY	46	27	11	0.29	0.24	0.26	92
SOLARBAN CHAMPANE (2) STARPHIRE + STARPHIRE	47	27	12	0.29	0.24	0.26	93
SOLARBAN CHAMPANE (2) SOLARBRONZE + Clear	26	12	11	0.29	0.24	0.19	95
SOLARBAN CHAMPANE (2) OPTIGRAY + Clear	31	15	11	0.29	0.24	0.21	88

SUNGATE THERML™ U-Value Enhancing Low-e Glass*

SOLARBAN 60 (2) Clear + SUNGATE THERML (4) Clear	69	10	11	0.23	0.20	0.38	95
SOLARBAN 60 (2) ACUIITY + SUNGATE THERML (4) ACUIITY	71	11	11	0.23	0.20	0.40	97
SOLARBAN 60 (2) STARPHIRE + SUNGATE THERML (4) STARPHIRE	73	11	11	0.23	0.20	0.41	98
SOLARBAN 65 (2) Clear + SUNGATE THERML (4) Clear	68	14	14	0.23	0.20	0.34	96
SOLARBAN 65 (2) ACUIITY + SUNGATE THERML (4) ACUIITY	71	14	14	0.23	0.20	0.35	98
SOLARBAN 65 (2) STARPHIRE + SUNGATE THERML (4) STARPHIRE	72	14	14	0.23	0.20	0.36	99
SOLARBAN 70 (2) Clear + SUNGATE THERML (4) Clear	63	13	13	0.23	0.19	0.27	91
SOLARBAN 72 (2) ACUIITY + SUNGATE THERML (4) ACUIITY	65	13	13	0.23	0.19	0.27	94
SOLARBAN 72 (2) STARPHIRE + SUNGATE THERML (4) STARPHIRE	66	13	13	0.23	0.19	0.28	95
SOLARBAN 90 (2) Clear + SUNGATE THERML (4) Clear	50	12	18	0.23	0.20	0.22	92
SOLARBAN 90 (2) ACUIITY + SUNGATE THERML (4) ACUIITY	52	12	18	0.23	0.20	0.23	94
SOLARBAN 90 (2) STARPHIRE + SUNGATE THERML (4) STARPHIRE	52	12	18	0.23	0.20	0.22	95
SOLARBAN R100 (2) Clear + SUNGATE THERML (4) Clear	41	32	12	0.23	0.20	0.22	93
SOLARBAN R100 (2) ACUIITY + SUNGATE THERML (4) ACUIITY	42	33	13	0.23	0.20	0.23	91
SOLARBAN R100 (2) STARPHIRE + SUNGATE THERML (4) STARPHIRE	43	33	13	0.23	0.20	0.23	93
SOLARBAN R77 (2) Clear + SUNGATE THERML (4) Clear	46	25	15	0.23	0.20	0.40	94
SOLARBAN R77 (2) ACUIITY + SUNGATE THERML (4) ACUIITY	48	26	15	0.23	0.20	0.25	95
SOLARBAN R77 (2) STARPHIRE + SUNGATE THERML (4) STARPHIRE	48	26	15	0.23	0.20	0.25	98
SOLARBAN R67 (2) Clear + SUNGATE THERML (4) Clear	52	19	15	0.23	0.20	0.28	92
SOLARBAN R67 (2) ACUIITY + SUNGATE THERML (4) ACUIITY	55	19	15	0.23	0.20	0.29	93
SOLARBAN R67 (2) STARPHIRE + SUNGATE THERML (4) STARPHIRE	55	20	10	0.23	0.20	0.29	95
SOLARBAN CHAMPANE (2) Clear + SUNGATE THERML (4) Clear	43	26	10	0.23	0.20	0.24	90
SOLARBAN CHAMPANE (2) ACUIITY + SUNGATE THERML (4) ACUIITY	45	27	11	0.23	0.20	0.25	92
SOLARBAN CHAMPANE (2) STARPHIRE + SUNGATE THERML (4) STARPHIRE	46	27	11	0.23	0.20	0.25	93

Insulating Glass Unit Performance for 1-inch (25 mm) units with 1/2-inch (13 mm) airspace and two 1/4-inch (6 mm) lites

Outdoor Lite: Coating if Any (Surface) Glass	+ Glass Type Indoor Lite: Coating if Any (Surface) Glass	Visible Light Transmittance (VLT) ² %	Visible Light Reflectance ²		(Btu/hr•ft ² •F) NFRC U-Value ³		Solar Heat Gain Coefficient (SHGC) ⁴	Color Rendering Index (CRI) ⁵
			Exterior %	Interior %	Winter Nighttime	Winter Argon		

VISTACOO[®] Subtly Reflective Glass

VISTACOO (2) AZURIA + Clear		47	21	32	0.47	0.45	0.34	76
VISTACOO (2) PACIFICA + Clear		29	11	31	0.47	0.45	0.32	73

SOLARCOO[®] Reflective Glass

SOLARCOO (2) AZURIA + Clear		24	20	38	0.47	0.45	0.25	85
SOLARCOO (2) PACIFICA + Clear		15	10	38	0.47	0.45	0.25	81
SOLARCOO (2) SOLARBLUE + Clear		20	15	38	0.47	0.45	0.32	95
SOLARCOO (2) SOLARBRONZE + Clear		19	14	38	0.47	0.45	0.34	85
SOLARCOO (2) SOLARGRAY + Clear		16	11	38	0.47	0.45	0.32	92

VISTACOO[®] and SOLARCOO[®] with SOLARBAN[®] 65 Solar Control Low-e Glass (3)

VISTACOO (2) AZURIA + SOLARBAN 65 (3) Clear		42	21	27	0.29	0.24	0.25	78
VISTACOO (2) PACIFICA + SOLARBAN 65 (3) Clear		26	11	27	0.29	0.24	0.20	74
SOLARCOO (2) AZURIA + SOLARBAN 65 (3) Clear		21	20	32	0.29	0.24	0.16	85
SOLARCOO (2) SOLARBLUE + SOLARBAN 65 (3) Clear		17	15	32	0.29	0.24	0.17	93
SOLARCOO (2) PACIFICA + SOLARBAN 65 (3) Clear		13	13	32	0.29	0.24	0.14	81
SOLARCOO (2) SOLARBRONZE + SOLARBAN 65 (3) Clear		17	14	32	0.29	0.24	0.17	85
SOLARCOO (2) SOLARGRAY + SOLARBAN 65 (3) Clear		14	11	32	0.29	0.24	0.16	91

VISTACOO[®] and SOLARCOO[®] with SOLARBAN[®] 70 Solar Control Low-e Glass (3)[†] (formerly SOLARBAN[®] 70XL Glass)

VISTACOO (2) AZURIA + SOLARBAN 70 [†]		38	21	23	0.28	0.24	0.24	76
VISTACOO (2) PACIFICA + SOLARBAN 70 [†]		24	11	22	0.28	0.24	0.19	71
SOLARCOO (2) AZURIA + SOLARBAN 70 [†]		19	19	27	0.28	0.24	0.16	82
SOLARCOO (2) SOLARBLUE + SOLARBAN 70 [†]		16	14	27	0.28	0.24	0.15	89
SOLARCOO (2) PACIFICA + SOLARBAN 70 [†]		12	10	27	0.28	0.24	0.13	77
SOLARCOO (2) SOLARBRONZE + SOLARBAN 70 [†]		15	14	27	0.28	0.24	0.15	88
SOLARCOO (2) SOLARGRAY + SOLARBAN 70 [†]		13	11	27	0.28	0.24	0.14	91

Note: In reference to IGU configurations, (2) refers to the second surface of the glass and (3) refers to the third surface of the glass.

* Sungate Thermo™ glass can also be paired with a variety of tinted substrates to lower U-Values without compromising its aesthetics.

† Solarban® 70 (formerly Solarban® 70XL) for annealed applications is applied to low-iron glass; heat treated applications will require either clear or low-iron glass depending on manufacturing process.

†† Optiblue® is a unique substrate by Vitro Glass designed for use with several Solarban® coatings.

1. Data is based on center of glass performance of representative factory production samples. Actual values may vary due to the production process and manufacturing tolerances. All tabulated data is based on NFRC methodology using the LBNL Window 7.3 software.
 2. Transmittance and Reflectance values based on spectrophotometric measurements and energy distribution of solar radiation.
 3. U-Value – A measure of the insulating characteristics of the glass or how much heat gain or loss occurs through the glass due to the difference between indoor and outdoor temperatures and is measured Btu/hr•ft²•F. The lower the number, the better the insulating performance. This number is the reciprocal of the R-value. Winter argon represents the winter nighttime U-value performance when the cavity is filled with a 90% argon/10% air/gas mixture.

4. Solar Heat Gain Coefficient (SHGC) – Measures how well a window blocks (or shades) the heat from sunlight. SHGC is the fraction of solar radiation transmitted through a window or skylight, as well as the amount that is absorbed by the glass and reradiated to the interior. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the less solar heat it transmits and the greater the shading ability. The SHGC is similar to the Shading Coefficient (SC), but also accounts for absorbed, converted and inwardly radiated solar energy.

5. Color Rendering Index (CRI) is a measurement from 0 to 100 of how accurately a color is reproduced under certain lighting conditions, relative to natural light. A value of 100 would indicate an unobstructed view. For glass, the color rendering index is calculated using the LBNL Optics 6 software following EN410 methodology, which is defined as the "change in color of an object as a result of the light being transmitted by the glass."

