

Spectrally Selective Films

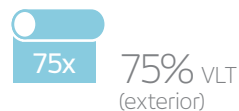
See the light, feel the difference

SolarZone Spectrally Selective window films effectively reduce solar heat gain while retaining high levels of daylight and preserving the natural appearance of the glass.

Spectrally Selective films present the energy-saving choice that compromise neither façade nor view.

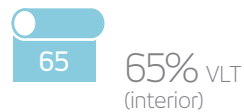
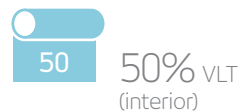
OptiLite 75 Xtra

The subtle blue tint filters 88% of heat-building IR radiation to keep the building cooler without blocking welcome daylight.



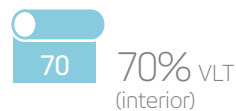
Argent

The high-performance sputtered silver construction filters IR radiation, reducing hot spots and heat buildup, contributing to energy savings on AC costs. Argent interior films' delicate antique silver sheen keeps the room light and bright — without sacrificing visibility or view — inside or out.



e-Lite 70

e-Lite 70 interior film delivers excellent levels of heat rejection. Its natural glass tone preserves the building's original appearance, but still delivers an effective energy-saving upgrade, with outstanding ROI.



SolarZone Spectrally Selective films provide -

- **High visible light transmission** that is barely discernible on glass; high levels of natural daylight
- **High heat rejection** for enhanced comfort and reduced cooling costs
- **Low reflectivity** preserves views night and day
- **99% UV block** cuts fading and sun damage
- **Natural appearance** maintains building's original façade

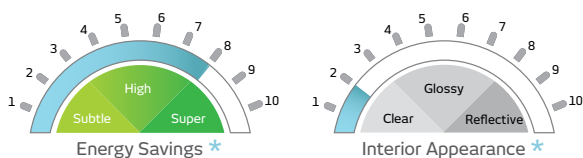


With OptiLite 75 Xtra

Without OptiLite 75 Xtra

Optical and solar properties**		Argent 50	Argent 65	OptiLite 75 Xtra (Ext)	e-Lite 70
Item Number	PS adhesive WA adhesive	R069SS5 R069S5W	R069S7S R069S7W	R09275X -	R069IS7 R069ISW
Visible light transmitted (%)		51	65	76	67
Visible light reflected (interior) (%)		28	26	9	14
Visible light reflected (exterior) (%)		20	26	9	16
Ultraviolet block (%)		99	99	99	99
Total solar energy reflected (%)		31	35	8	24
Total solar energy transmitted (%)		36	44	39	37
Total solar energy absorbed (%)		34	21	53	39
Shading coefficient		0.51	0.57	0.60	0.56
Glare reduction (%)		44	28	16	25
IR rejection (780-2500 nm) (%)		73	69	88	87
IR rejection (900-1000 nm) (%)		70	64	88	86
Emissivity		0.66	0.69	0.84	0.82
Solar heat gain coeff. (G-value)		0.44	0.49	0.54	0.48
Median U-value (winter)		0.94	0.96	1.04	1.03
Winter U-value (SI) W/(°K×m²)		5.34	5.45	5.91	5.85
Summer solar heat gain reduction		0.44	0.49	0.54	0.46
Winter heat loss reduction (%)		9	8	0	1
Luminous efficacy constant		0.98	1.13	1.23	1.20
Total solar energy rejected (%)		56	51	46	54

**Performance results are calculated on 3 mm glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards and are only intended for estimating purposes.



* Comparative scale, at similar levels of light transmission, and with reflective films as benchmark

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