

## Performance Data



Technical data according to EN 410 and EN 673*	4 mm single	4/16/4 mm double
Solar Energy Transmission, $\tau_e$	38%	34%
Solar Energy Reflection, $\rho_e$	26%	27%
Solar Energy Absorption, $\alpha_e$	36%	39%
Visible Light Transmission, $T_V$	66%	60%
Visible Light Reflection (External), $\rho_{ve}$	9%	16%
Visible Light Reflection (Internal), $\rho_{vi}$	10%	13%
Ultraviolet Transmission, $\tau_{UV}$	<1%	
Ultraviolet Rejection	>99 %	
g value	0.45	0.54
Shading Coefficient	0.52	0.62
Total Solar Energy Rejected	55%	46%
Glare Reduction	27%	
U value, single glazing (W/m <sup>2</sup> .K)	5.06	
U value, double glazing, Air filled (W/m <sup>2</sup> .K)		2.54
Emissivity, $\epsilon_n$	0.6	
Colour Rendering Index, $R_a$	96	95
Film Colour / Appearance	Light Blue-Green	
Installation position	Internal	
Manufacturer's Limited Warranty**: 10 Years		

Installation Notes: Edge sealing required if installation is within 10 km of lake, sea, ocean, etc. X-100 must not be used to install this film. Use Film On for installation.

Please check the complete Film to Glass Thermal Stress Compatibility Guidelines before film installation; Contact Eastman Performance Films for full details.

\*The properties reported for LLumar architectural window films were calculated using EN410 methodology for film applied to single pane (4mm clear glass) and dual pane glazing (4mm clear glass panes, 16mm air space). Reported values were calculated from representative product samples. Actual performance may vary based on a number of factors, including glass properties, and standard manufacturing variances. Solar spectrum used: UV 300-380nm, Visible Light 380-780nm, IR 780-2500nm.

\*\*Manufacturer's Limited Warranty validity: Europe only. Certain restrictions apply, see authorized dealer for warranty details.

Datasheet created on 20/02/19. For a more recent version please contact your LLumar representative.

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Solar Control & Energy Savings

# Spectra Select 60

VS 60 SR CDF

## Features And Benefits



- Spectrally selective technology allowing good visible light transmission with high solar energy rejection
- Used where a combination of extremely low visible reflectance, high light transmission, and substantial reduction in solar infrared transmission are needed
- Recommended for shop front windows, museums and historic buildings and other applications where high visible light transmission is desired.
- Rejects up to 54% of solar energy, helping reduce heat build-up, and energy costs, increasing occupant comfort.
- Optically-clear with advanced infrared rejecting technology
- Durable scratch-resistant coating for easy cleaning
- Shields >99% of UV radiation, helping to reduce fading of valuables, fabrics and furnishings
- Interior installation