

Performance Data



| Technical data according to EN 410 and EN 673* | 4 mm single | 4/16/4 mm double |
|---|-------------|------------------|
| Solar Energy Transmission, τ_e | 65% | 56% |
| Solar Energy Reflection, ρ_e | 7% | 13% |
| Solar Energy Absorbtion, α_e | 28% | 31% |
| Visible Light Transmission, T_V | 86% | 78% |
| Visible Light Reflection (External), ρ_{ve} | 9% | 15% |
| Visible Light Reflection (Internal), ρ_{vi} | 9% | 15% |
| Ultraviolet Transmission, τ_{UV} | <1% | |
| Ultraviolet Rejection | >99 % | |
| g value | 0.72 | |
| Shading Coefficient | 0.83 | |
| Total Solar Energy Rejected | 28% | |
| Glare Reduction | 5% | |
| U value, single glazing (W/m ² .K) | 5.92 | |
| U value, double glazing, Air filled (W/m ² .K) | | 2.75 |
| Emissivity, ϵ_n | 0.9 | |
| Colour Rendering Index, R_a | 98 | 97 |
| Film Colour / Appearance | Clear | |
| Installation position | Internal | |
| Manufacturer's Limited Warranty**: 5 Years | | |

Installation Notes: 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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LLumar SpecialsSeries

AIR 90 Clear

AIR 90 CL SR HPR

Features And Benefits



- Light blue/green tint - complements natural slight green tint in clear glass
- Used where a combination of extremely low visible reflectance, high light transmission, and substantial reduction in solar infrared transmission are needed
- Optically clear with advanced nano-ceramic infrared reducing technology
- Recommended for shop front windows, museums and historic buildings and other applications where high visible light transmission is desired.
- Rejects up to 28% of solar energy, helping reduce heat build-up, and energy costs, increasing occupant comfort.
- Nearly clear, high level of visible light transmittance
- Spectrally selective technology allowing good visible light transmission with high solar energy rejection
- Shields >99% of UV radiation, helping to reduce fading of valuables, fabrics and furnishings
- Interior installation