



illumaWall 3000 Mullion Translucent Wall System

illumaWall 3000 has a traditional mullion system frame appearance. Utilize various glazing panel widths, thicknesses, and colors for unique light diffusion aesthetics. This system seamlessly integrates with glass storefront while diffusing sunlight; eliminating hotspots and glare.



Low Energy Consumption	
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25mm Triple Wall Panel	U-Value	Light Transmission	SHGC
Bronze	0.34	35%	
Clear	0.34	72%	0.78
Opal	0.34	35%	0.54
IR	0.36	24%	0.37



illumaWall 3000 Testing Data

Test Standard	Test Description	
ASTM E 331	Water Penetration	
ASTM E 283	Air Infiltration	
Fire Testing:		
ASTM E 84	Flame Spread Class A	
ASTM E 84	Smoke Density Class A	
ASTM D 635	Smoke Developed	
ASTM D 2843	Ignition Temperature	
ASTM E 308	Color Change	
ASTM E 313	Yellowness	



Daylight Modeling: Putting Theory into Practice



All Translucent

Partial Translucent Glass on top Partial Translucent clear Glass on bottom 2/3

Daylight Modeling: Optimum Daylighting Scenario



Cellular Polycarbonate

- Hollow cell provides energy efficiency
- Lightweight and durable
- UV stabilization is coextruded into panel
- ASTM-E84 Class A
- ASTM-D635-CC1 selfextinguishing



Lumira Aerogel

- Certified "cradle to cradle"
- Values improve light spread 20% further than diffused polycarbonate and 53% greater than glass
- Hydrophobic particles repel water keeping the system dry and effective
- Knocks down sound transmission
- Very lightweight
- Doubles thermal efficiency while sacrificing little light transmission



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