

# LightBasic™

## PERFORMANCE DATA & TESTING



Property	Test Standard
Impact Strength	UL 972
IZOD Impact	ASTM D256
Haze Factor	ASTM D1003
Diffused Light Transmission	ASTM D1494
Ignition Temperature	ASTM D1929
Weathering/Delta E	ASTM D2244
Taber Abrasion	ASTM D4060
Panel Strength	ASTM E72
Smoke Density and Flame Spread	ASTM E84

Property	Test Standard
Air Infiltration	ASTM E283
Structural Performance	ASTM E330
Water Penetration	ASTM E331
Solar Transmittance/Reflectance	ASTM E424
Water Penetration	ASTM E547
Concentrated Load	ASTM E661
AAMA/WDMA/CSA	101/1.S.2/A440-11
OSHA Skylight Loading Capacity	29CFR 1910.23 (e)(8)

LightBasic™ SYSTEMS	Exterior Sheet Color / Interior Sheet Color			
	Crystal/ Crystal	Crystal/ White	White/ Crystal	White/ White
<b>CENTER OF PANEL U-FACTOR<sup>1</sup></b>				
No Insulation	0.48			
Insul 24	0.20			
Insul 15	0.17			
<b>SYSTEM U-FACTOR<sup>2</sup></b>	<b>WALL SYSTEMS</b>		<b>SKYLIGHTS (STANDARD/T.B.)</b>	
No Insulation	0.60		0.63 / 0.60	
Insul 24	0.32		0.38 / 0.35	
Insul 15	0.29		0.35 / 0.32	
<b>LIGHT TRANSMISSION<sup>3</sup></b>				
No Insulation (%)	75	51	65	45
Insul 24 (%)	51	38	46	34
Insul 15 (%)	40	31	36	28
<b>SOLAR HEAT GAIN COEFFICIENT<sup>4</sup></b>				
No Insulation	0.50	0.37	0.38	0.23
Insul 24	0.23	0.20	0.21	0.14
Insul 15	0.21	0.19	0.20	0.13
<b>CRF<sup>5</sup></b>	Glazing - 83 / Wall Frame - 56 / Skylight Frame - 80			
<b>UV TRANSMITTANCE</b>	<.01			

<sup>1</sup> For glazing comparisons only

<sup>2</sup> System U-factor values determined using NFRC 100-2010 methods and standards.

<sup>3</sup> Tested in accordance with ASTM D1494-97

<sup>4</sup> SHGC values determined using NFRC 200-2010 methods and standards.

<sup>5</sup> CRF values determined by test data calculation and may vary with structural requirements.

\*Major Industries reserves the right to improve products without notice as the result of ongoing R&D and/or third party compliance. ©2014



# LightBasic™

VALUE-ENGINEERED TRANSLUCENT WALLS AND SELF-FLASHING SKYLIGHTS

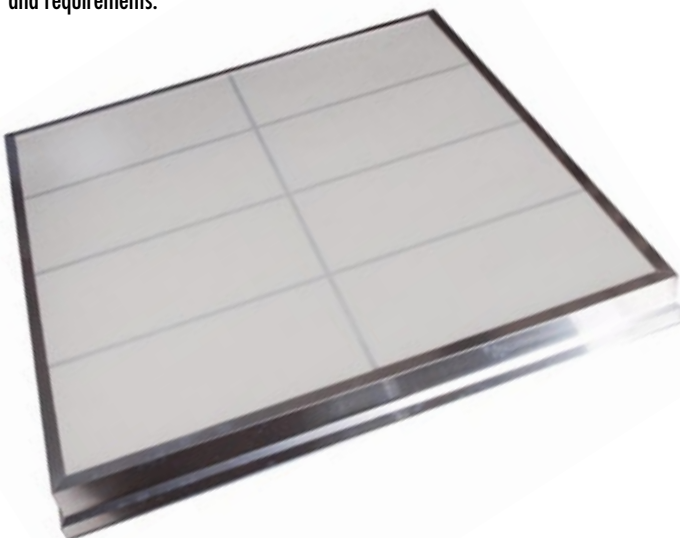
## DEPENDABLE DAYLIGHTING THAT WON'T BREAK THE BANK

LightBasic™ translucent panel wall systems and Quick Ship™ skylights from Major Industries are the perfect balance of simplicity and performance, delivering outstanding sun control at an economical price.



What makes LightBasic™ different from other translucent panel systems? LightBasic™ offers a simplified framing system and a durable acrylic-based Acrylit®GC face sheet. It's a unique combination that's aimed at budget-conscious buyers who demand an economical translucent daylighting system that will hold up under a variety of conditions.

Perfectly suited for school facilities, warehouses, manufacturing centers and other locations where glare-free light is instrumental to occupant performance and comfort, LightBasic™ translucent panel systems are a good fit for both new and retrofit construction and can be custom-designed to fit your specific needs and requirements.



## FEATURES & BENEFITS

- Available in custom wall and pre-engineered skylight configurations
- Acrylit®GC face sheet features 100% pure acrylic resin for economy and durability, plus Gel Coat protection to help resist weathering
- Systems available in 2 3/4" thick panels, with panel sizes up to 5' x 20'
- LightBasic™ Quick Ship™ skylights are available in pre-engineered sizes from 4' x 4' to 5' x 20'
- Grid layout options include In-line Shoji, Staggered Shoji and Tuckerman patterns (skylights available with In-line Shoji pattern only)
- Two available translucent insulation options for enhanced thermal performance
- Two standard sheet colors available – White and Crystal
- 5 year color change and 10 year fiberbloom warranties standard
- Optional thermally broken framing for enhanced performance in severe climates