

# LIGHTGLASS

Transforming Windowless Spaces

# Wallglass

Job Name : \_\_\_\_\_ Fixture Type : \_\_\_\_\_ Quantity : \_\_\_\_\_

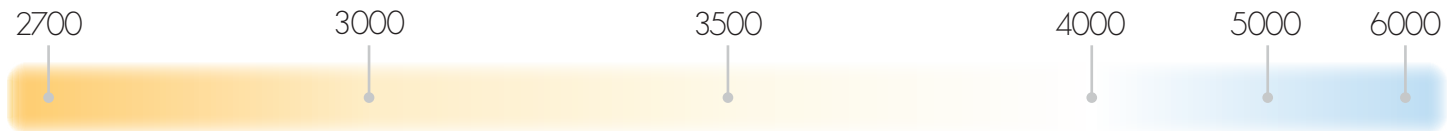


Tunable White	Circadian Stimulus	100,000 Hours	100 - 277 VAC
Patent Pending	American Made	Certified	5 year warranty

Windows for windowless spaces. Lightglass, PhD researched patent pending technology, creates the experience of being near a window or a skylight with low energy, solid state, broad-spectrum light sources

### Key Features:

- Integral Power
- 3 Dimensional Visual Encounter
- Broad Spectrum and High Circadian Stimulus
- Multiple sizes, finishes, mounting options, and configurations



WG	+	11	+	R	+	TW	+	A	+	M1	+	1
Prefix	+	Size	+	Mounting	+	Color Temp	+	Finish	+	Mullions	+	Control
WG		1313 : 13 x 13		R : Recessed		27 : 2700K		A : Clear Anodized		M1		1 : 0-10
		1349 : 13 x 49				30 : 3000K		W : Semi-Gloss White		N : Leave Blank		
		2525 : 25 x 25				35 : 3500K		B : Semi-Gloss Black				
		2549 : 25 x 49				40 : 4000K		C : Custom RAL #				
		1818 : 18 x 18				50 : 5000K						
		1842 : 18 x 42				60 : 6000K						
		4242 : 42 x 42				TW : Tunable White						

325 Chestnut St  
Suite 1212  
Philadelphia, PA  
215.494.3333

# LIGHTGLASS

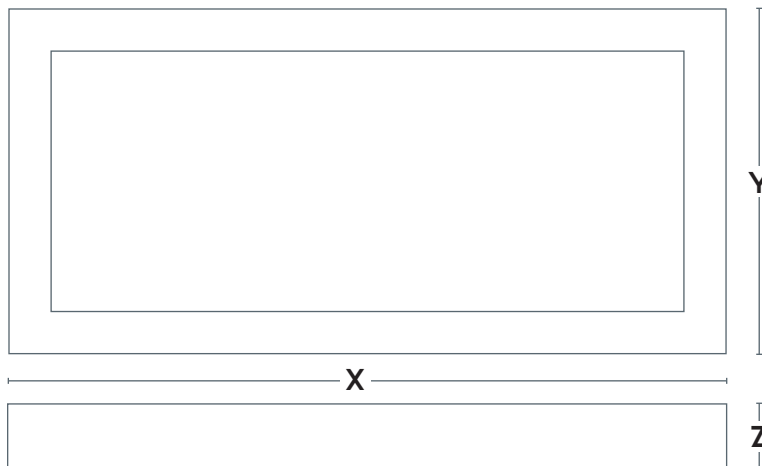
Transforming Windowless Spaces

# Wallglass

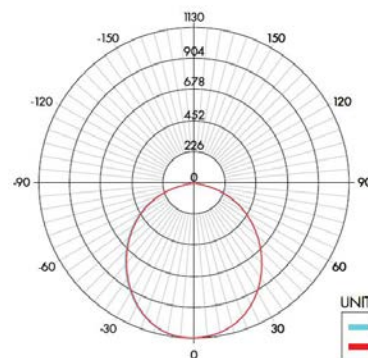
	13 x 13	13 x 49	25 x 25	25 x 49	18 x 18	18 x 42	42 x 42
Voltage	100 - 277 VAC						
Watts	25	36	36	50	39	50	50
Lumens	2070	3000	3000	4200	3000	4200	4200
Lumens / Watt	63						
Color Temperatures	2700, 3000, 3500, 4000, 5000, 6000						
CRI	90+						
R9	50+						
Color-Binning	3 Step MacAdam Ellipse						
Distribution	Lambertian						
Rated Life	L70 100,000 Hours						
Dimming / Control	0-10V, 2-channel 0-10V for Tunable White						
Operating Temperature	-20°C to +50°C / -4°F to +122°F						
Length	13"	13"	25"	25"	18"	18"	42"
Width	13"	49"	25"	49"	18"	42"	42"
Depth	3.5"						
Warranty	5 Years						
ETL	Conforms To UL STD 1598						
CSA	CSA standard is 22.2 No. 250.0						

1. Consult factory for programmable color tuning, custom watts/ft<sup>2</sup>, or custom sizes
2. Works with all 0-10 volt dimming systems

	13 x 13	13 x 49	25 x 25	25 x 49	18 x 18	18 x 42	42 x 42
Length (X)	13"	13"	25"	25"	18"	18"	42"
Width (Y)	13"	49"	25"	49"	18"	42"	42"
Depth (Z)	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"



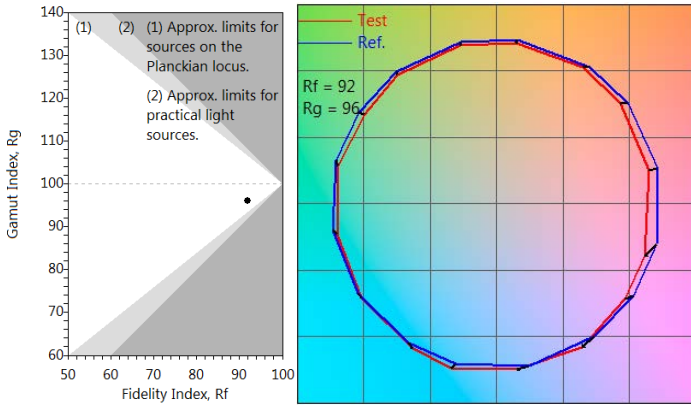
Lambertian Distribution



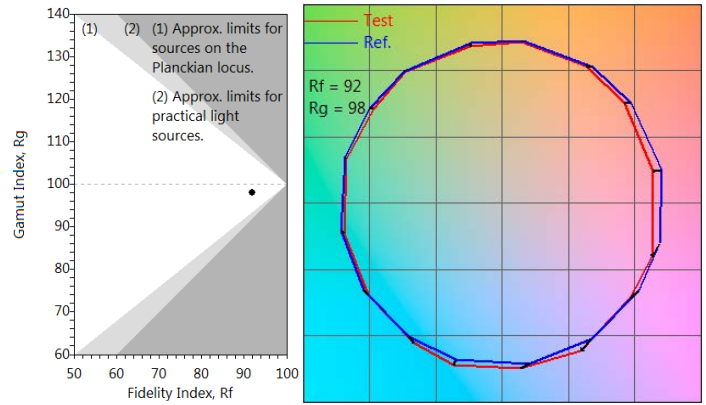
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## Color Fidelity

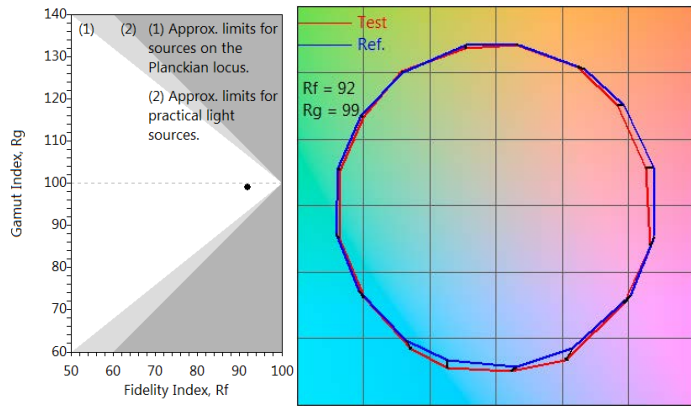
2700K



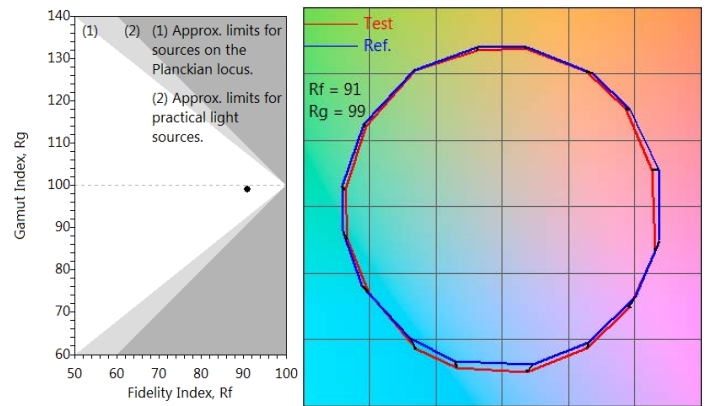
3000K



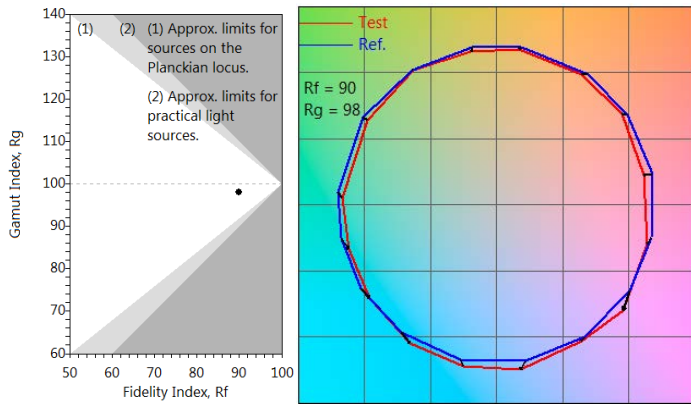
3500K



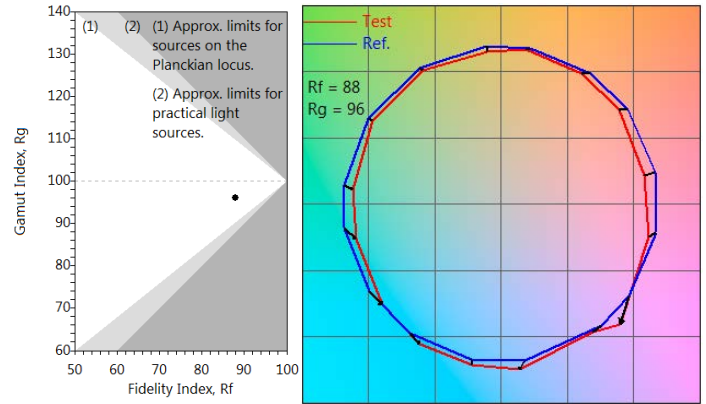
4000K



5000K



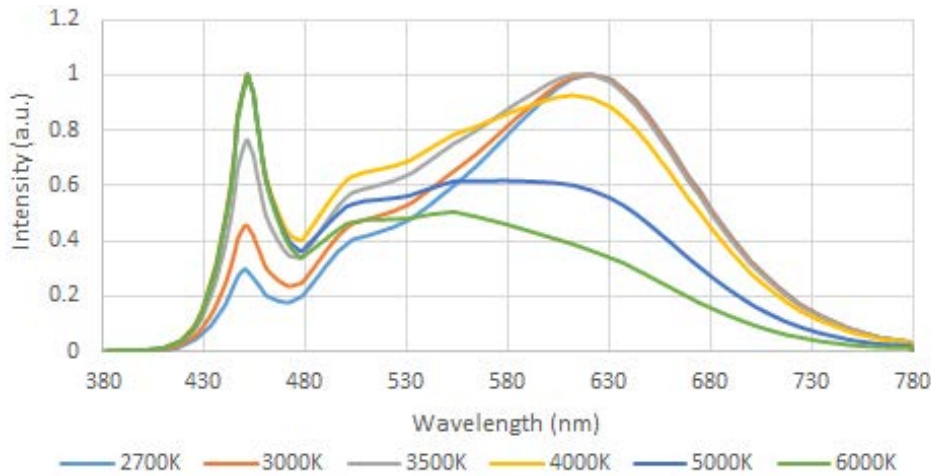
6000K



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info@lightglasslighting.com

## Spectra from Lightglass

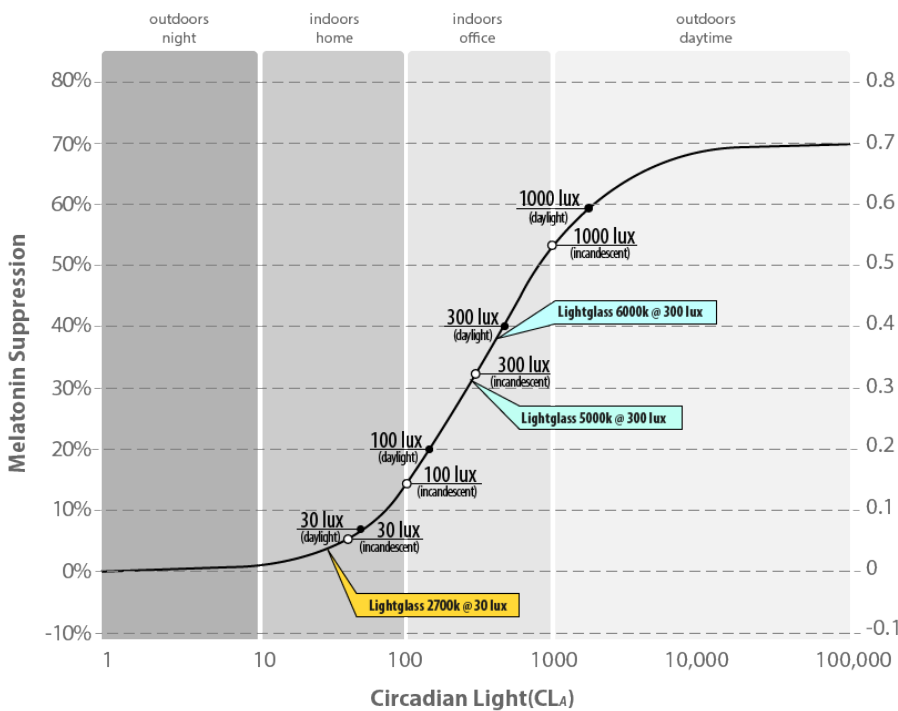


## Circadian Stimulus

For offices, the International WELL Building Institute (IWBI) specifies there must be at least 240 Equivalent Melanopic Lux (EML) on the vertical plane between 9:00 AM and 1:00 PM. Lightglass at a distance of two meters, and a CCT of 3500K or higher at full brightness is compliant. [WELL v2, Feature 54, Part 1]

In living environments, IWBI specifies at most 50 EML on the vertical plane during the night. Lightglass can be dimmed to comply with this specification. [WELL v2, Feature 54, Part 2. & WELL v2, Feature P3, Part 1]

For breakrooms, IWBI specifies at least 250 EML. For learning areas, IWBI specifies at least 150 EML. Lightglass meets these specifications through dimming and tuning. [WELL v2, Feature 54, Part 3&4]



CCT	EML (Equivalent Melanopic Lux)	
	300 lux	30 lux
2700K	149	15
3000K	168	17
3500K	200	20
4000K	228	23
5000K	268	27
6000K	312	31

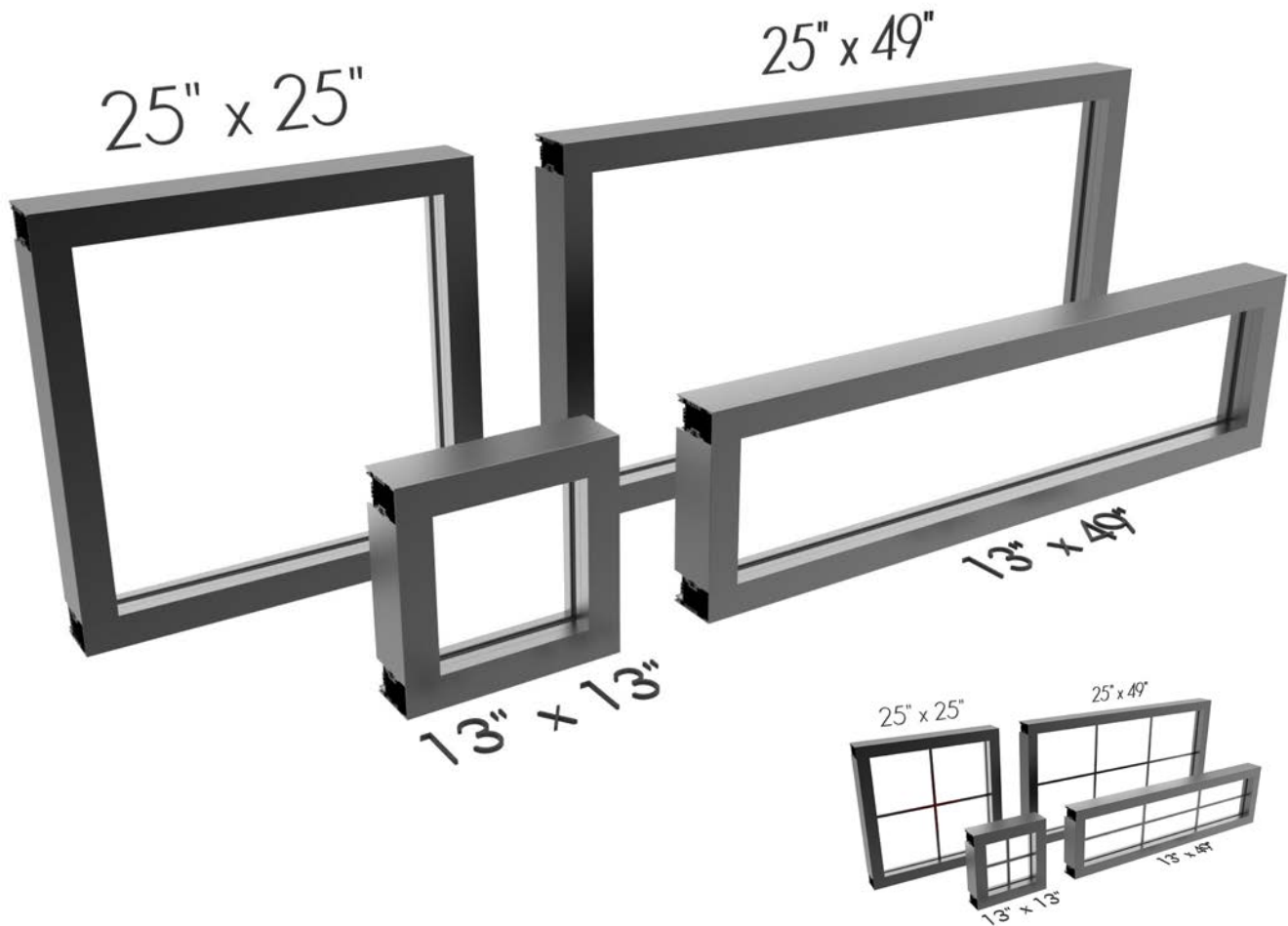
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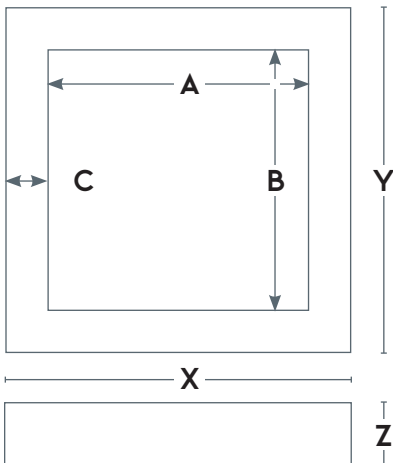
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Muntins available for all sizes



	13 x 13	13 x 49	25 x 25	25 x 49
X	13"	13"	25"	25"
Y	13"	49"	25"	49"
A	9"	9"	21"	21"
B	9"	45"	21"	45"
C			2"	
Z		3.5"		

"Great lighting *solutions* have the power to enhance, but great lighting *innovations* have the potential to transform."

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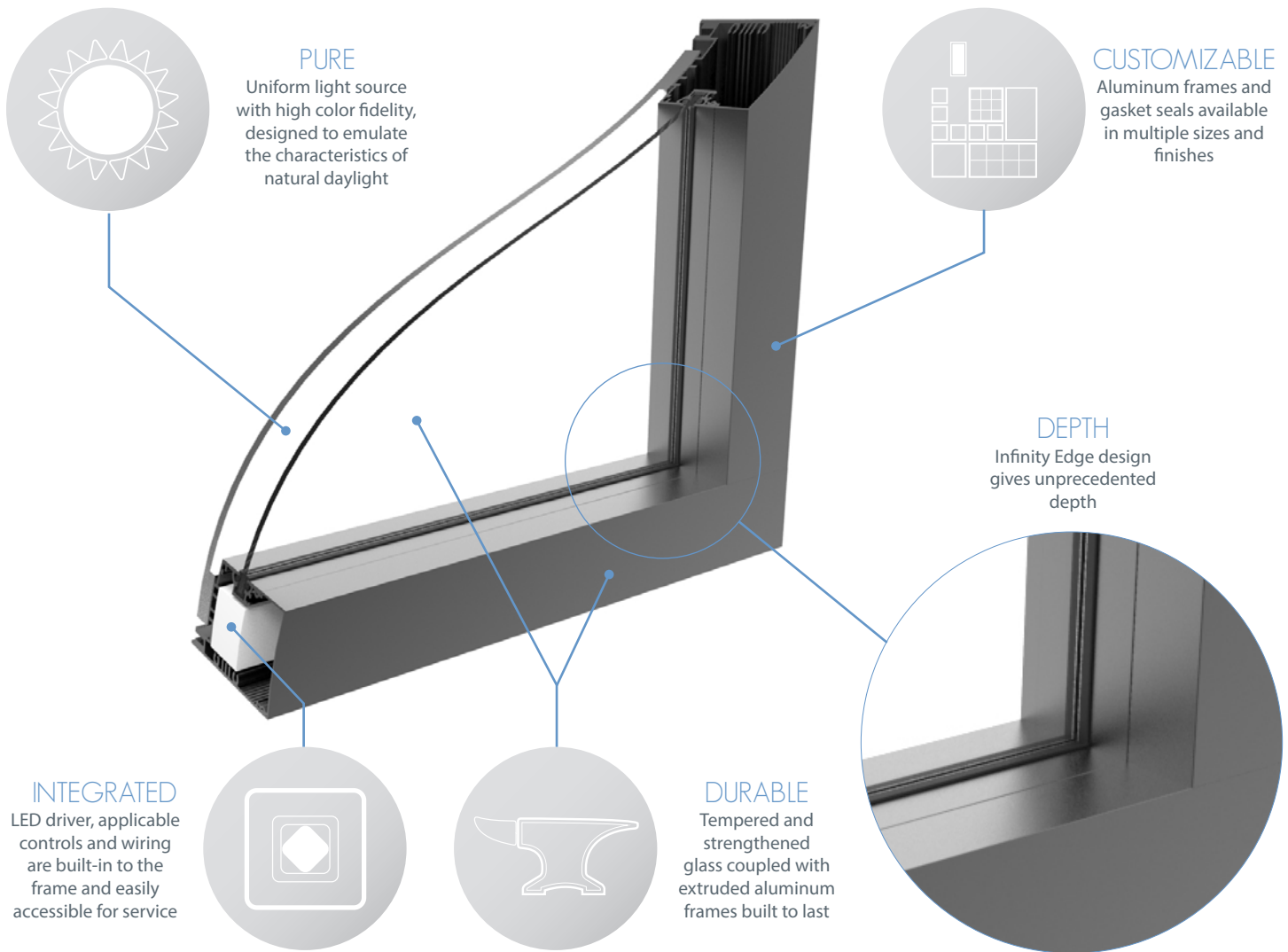
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Lightglass simulates the look and feel of natural light by combining the latest LED lighting technologies with a unique and ingenious approach to the way we perceive and celebrate window-lit spaces.

No matter its' location or proximity to the outdoors, this intersection of lighting technology and human perception now gives any space the opportunity to become a window-lit space, maximizing its appeal, use and value.



Lightglass can powder coat to any RAL#  
Black and White finishes are powder coated semi gloss.

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With hundreds of size and finish variations, color tuning and dimming, and an integral driver, the sky's the limit. At 3.62 inches deep, it can be easily recessed into a wall or ceiling, surface mounted, or arrayed into a custom modular design. With Lightglass, you have the power to transform architecture.



### Array

Wire multiple Lightglass panels together to form any size or shape you desire. You can create entire Lightglass ceilings or walls, continuous lines, or decorative pieces using a variety of Lightglass sizes.



### Portal

Play with simulated daylight using our 1x1 blocks of Lightglass. Create arrays in different shapes and sizes, or singular portals of light.



### Clerestory

Transform light-deprived basements or internal rooms into bright and spacious environments by recessing Lightglass into the top of a wall.



### Skyglass

Mount or recess Lightglass into the ceiling and illuminate any room with the feeling of sunlight. Skyglass applications come with a shroud to create the depth and form factor of a real skylight without needing a hole in the roof. See separate Specification Sheet.



### In Wall

Recess Lightglass into a wall and it will look and feel like a window. Add muntins to 2x4 Lightglass for added detail, change color temperature throughout the day, and bring the feelings of energy and well-being into any space.