



# HARBOR LIGHT

Single Hung Series



# Performance Features

Multi-chamber construction with fusion-welded sash and frame

Dual or triple pane insulated glass with Warm Edge spacer saves energy

Sloped sill drains water away from home exterior



## Bonus Features

- Designed to meet the south's high performance levels
- Large array of architectural shape options, including half-rounds, arches, trapezoids and eyebrows
- Integral mulls allow for a mix of operating and fixed windows
- Interlocking sashes keep out intruders and weather
- Auto-lock standard meets AAMA forced entry requirements
- Constant force coil balances for ease of operation
- Single vent latch for increased safety against accidental falls
- Limited lifetime warranty and 20 year glass warranty
- Single hung, picture and slider windows received the Most Efficient Energy Star 2019 designation

## The Difference of **HARBOR LIGHT**

Imagine windows specifically designed to create the welcoming atmosphere you've always wanted. You and your family are safe and secure. You're cozy through every season. Nights are quiet, and days are peaceful. Even your energy bills are lower. There are so many benefits wrapped up in HarborLight windows, and they're ready to make your home a personal sanctuary.



Visit our website, [GreatLakesWindow.com](http://GreatLakesWindow.com) for additional information on performance options available within HarborLight windows and patio doors.



# Single Hung Windows

Single Hung windows are a very popular window style because they are extremely versatile and can complement nearly any home design. The bottom sash tilts in, making it easy to clean from the inside of the home. And because the sashes interlock tightly together when closed, single hung windows help protect against air infiltration and provide more security.



### Interlocking Sashes

Sashes lock tightly together to help keep out intruders and inclement weather.



### Integral Mulls

Create a dramatic, custom window opening with our patented integral mulls, which allow a mix of operating and fixed windows to be attached with a continuous head and sill frame. (Patent #: 9038333)



### Dual Lift Rails

Full length lift rails make opening and closing easy.



### Forced Entry Resistant Locks

For peace of mind, lock is automatically activated when the window is closed, and meets tough AMA forced entry requirements. Auto-lock comes standard, ADA accessible lock options available.



ADA Accessible Lock



# Sliding Windows

For a more modern look, frame your views and brighten up your rooms with our sliding windows. This horizontal window style opens with the push of a finger, gliding easily on a track and roller system for effortless operation.



### Removable Sash

Operating sash is removable for easy cleaning.



### Interlocking Sashes

Sashes lock tightly together to help keep out intruders and inclement weather.



### Smooth Operation

Push/pull rails and wide brass rollers make opening and closing effortless.



### Forced Entry Resistant Locks

For peace of mind, lock is automatically activated when the window is closed, and meets tough AMA forced entry requirements. Auto-lock comes standard, ADA accessible lock options available.



# Casement & Awning Windows

Casement windows are a great choice for contemporary and traditional homes alike. While they close tightly to seal out the elements, they crank open easily and have a sleek ellipse operating handle. Plus, our casement and awning windows can be combined, mulled and stacked with fixed casement picture windows.



### Sturdy Construction

Multi-chamber construction improves strength and thermal performance. Fusion-welded corners add strength and prevent air/water infiltration.



### Multi-point Locks

Operate with a single handle or maximum security with minimum effort.



### Smooth Operation

Ellipse operator with stainless steel hinge track and adjustable hinges opens to 90°.

# Picture & Shape Windows

Like pictures on a wall, beautiful views deserve to be framed. From rectangles to triangles, unique radius designs, our picture windows come in a variety of shapes and sizes that enhance the personality of your home while providing energy efficiency.



## 22 Architectural Shape Options



Triangle



Pentagon



Full Round



Oval



Octagon



Triangle, Left or Right



Rectangle



Eye brow



Elliptical



Clip Trapezoid, Left or Right



Quarter Circle



Half Circle



Arch Transom



Segmented Arch Transom



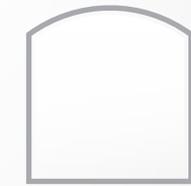
Trapezoid Transom, Left or Right



Extended Quarter Circle



True Radius



Extended Eye brow



### Sturdy Construction

Multi-chamber construction improves strength and thermal performance. Fusion-welded corners add strength and prevent air/water infiltration



# Sliding Patio Doors

Our sliding patio doors open up a world of possibilities for your home. While they connect the indoors to outdoor environments, they easily enhance the beauty and elegance of every home, no matter the size and style.



**Sturdy Construction**  
Multi-chamber construction with fusion-welded corners. Full perimeter weatherstripping ensures tight seal.



**Interlocking Panels**  
Self-centering interlock satisfies forced entry requirements.



**Durable Hardware**  
Powder-coated handles resist scratches and fading. Exterior handles available with or without keyed lock.



**Smooth Operation**  
Adjustable rollers ensure smooth operation; durable aluminum threshold and sill track.



**ADA Compliant Threshold**  
Low-profile threshold for ease of entry.





# Your Guide to Customization

Make each window and patio door your own with a wide range of style options. Whether you want to match your home's current style or create a bold new look, the right style selections can go a long way.

## Color Options



## Grille types Also available with no grilles



### Grilles between Glass (GBG)

Windows are available with 3/4" Flat, 5/8" or 1" Sculptured

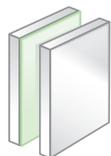


### Simulated Divided Lite (SDL)

Windows are available with 7/8" or 1-1/4" Simulated Divided Lite with Shadow Bar

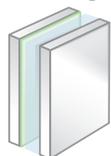
## Glass options Compare U-Factor ratings

### Low-E



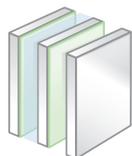
7/8" Low-E	.35	SHGC .29
One lite of Low-E		
7/8" Low-E <sup>SC</sup>	.35	SHGC .22
One lite of solar cooling Low-E		
7/8" Low-E2+	.30	SHGC .28
One lite of Low-E and one lite of Interior Surface Low-E		

### Low-E with Argon



7/8" HP	.32	SHGC .28
One lite of Low-E with argon		
7/8" HP <sup>SC</sup>	.32	SHGC .22
One lite of solar cooling Low-E with argon		
7/8" HP2+	.28	SHGC .28
One lite of Low-E and one lite of Interior Surface Low-E with argon		

### Triple-Glazed



7/8" HP2 <sub>Max</sub>	.25	SHGC .25
Two lites of Low-E with two chambers of argon		
7/8" HP3 <sub>Max</sub>	.23	SHGC .22
Two lites of Low-E, two chambers of argon, one lite of Interior Surface Low-E		
1" HP3 <sub>Max</sub>	.22	SHGC .22
Two lites of Low-E, two chambers of argon, one lite of Interior Surface Low-E		

Values reflect 3050 call size brickmould non-drywall glazed single window with 3mm glass.



## Window Screens

The HarborLight Single Hung Series comes standard\* with FlexScreen, the world's most flexible screen.

### Easy to use and easy to clean

FlexScreen springs into the opening, making installing and removing our screens easy. And the low-profile design allows water to cascade over the screen frame, making cleaning a snap.

### Better looking

FlexScreen disappears in the window frame, beautifying your view to the outside. Plus, FlexScreen provides a greater viewing area by eliminating the bulky screen frame found in traditional window screens.

### Dent, break and scratch resistant

FlexScreen is tough; produced out of PVC coated, carbon enriched, spring steel.

\*Not available in casement windows



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