



Simplicity. Serviceability. Durability.

# Summary of Differences Between New Evolution Series Framed Windows and Legacy Storm-Tite Classic Framed Windows

NOTE: Starting in 2016 AROW Global will switch all framed window offerings to be their Evolution Framed Series Windows and will no longer offer legacy Storm-Tite window series for original production builds. After-market support will still be available for the existing population of buses built prior to 2016.

In 2011 AROW Global released its newest version of a framed transit bus window. This window series will displace all older framed window brands such as Storm-Tite Classic Series and Storm-Tite Rapid Replacement Series. A summary of the differentiating features of the Evolution design are outlined in this bulletin.



## 1. Reduced Egress Window Opening

The Evolution series equipped with an emergency egress feature are hinged at the horizontal transom member resulting in an egress opening that is approximately 70% of the total window opening. The smaller window opening is lighter weight, easier to operate, and reduces the weight and cost of the window.

## 2. Lighter Weight

Design advancements for the Evolution series windows (including that noted above) result in a 9% reduction in weight for egress tip-in windows and 3.3% reduction in weight for non-egress tip-in windows. Similar reductions exist for upper and lower slider style windows.



*Evolution Series Tip-in Egress Window*  
Hinged at horizontal transom resulting in egress opening that is approx. 70% of total window opening.



*Obsolete Classic Series Tip-in Egress Window*  
Hinged at top of window resulting in egress opening that is 100% of window opening.

### 3. Rapid Replacement Glazing Design

The Evolution window series features “lay-in” glazing where the glass can be positioned in the frame and secured by inserting the reusable, one-piece glazing spline included with the window. Glass replacement can be completed in about 3 minutes with the Evolution window system compared to 30-60 minutes for a Classic series window.

### 4. Optional Clampring with Fastener Cover

AROW Global framed transit window products are installed via the industry-standard clampring method where the window is inserted into the bus opening from the exterior, and a mating clampring positioned from the interior and attached to the window via threaded fasteners. The Evolution window design includes an option to specify a clampring equipped to house a cover channel to hide fasteners from view.

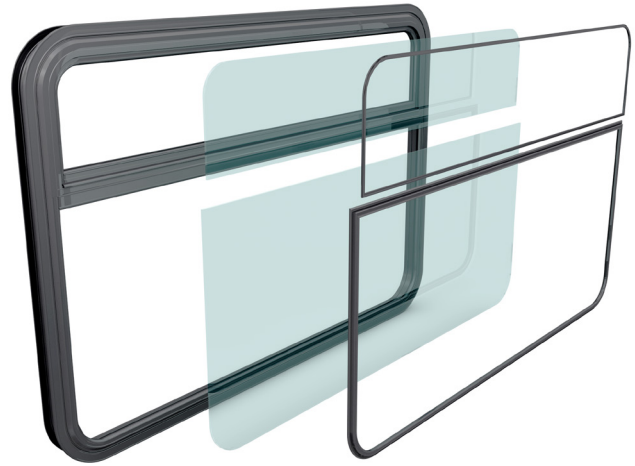
### 5. More Common Replacement Parts

The operating portion of the egress window for the Evolution series is restricted to the lower glazing section, allowing the upper glazing to be common among egress and non-egress window designs. This means fewer replacement parts (Glass, sash assembly, glazing spline, vandal shield) must be kept on hand for repairs.

### 6. Adjustable Tip-In Sash Strike

Evolution tip-in windows are equipped with adjustable sash strikes that permit the repositioning of the strike to ensure that the tip-in section remains tightly sealed when closed. Strike resetting is accomplished by the simple adjustment of two set screws which control the strike position.

Our team at AROW Global is constantly striving to improve the products we offer our OEM and Transit Property customers. The Evolution series window is a good example of a design iteration that maintains all the high quality and reliability features from previous designs, and includes additional features to improve the appearance and functional performance of our products in the field.



*Evolution Rapid Replacement Glazing Design  
Single welded spline*



*Clampring without  
fastener cover*



*Clampring with  
fastener cover*



*Evolution Tip-In Window Sash Strike Close-up*