

# Evo External Screen System



The world's most admired  
shade solutions

*Luxaflex*<sup>®</sup>



# Beauty is in the details

*Evo Straight Drop*

Luxaflex® has been adding style and sophistication to New Zealand windows since the 1950's.

Our design heritage is founded on innovation for today and tomorrow while taking care to celebrate the beauty in the details. To us, form and function are synonymous. Consistently pushing the boundaries, we are proud to be the market-leaders in daylight regulation and solar heat control solutions.







*Evo Side Tension Channel*

# Evo External Screen System

Sleek and durable, Evo External Screens can maximise the usefulness of balconies and patios by providing protection from solar heat, wind, rain and insects. Offering a full suite of Screen systems, the Luxaflex® Evo range offers a common, aesthetically appealing look across all Evo options with a solution to meet every customer's needs.

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## **Evo Straight Drop**

This is the entry-level version of the Evo range that provides great cover at a lower price. The product is secured to the ground either using locking bolts or a strap. If you have an opening between 2 posts you can also use the locking bolt option at any height by locking the bolts into the posts.

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## **Evo Cable Guide**

The Evo Cable Guide allows the awning to be positioned at any height on the drop. It provides a great contemporary aesthetic with its stainless steel cable guides and has minimal interference with your view.

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## **Evo Side Tension Channel**

The Evo STC is the ultimate in straight drop awnings. By retaining the fabric inside the channel it essentially provides full enclosure of an outdoor area which is perfect in the winter months.

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## **Evo Pivot Arm**

The Evo Pivot Arm awning is a multi-functional product that projects off the window to allow protection from the sun whilst also allowing airflow through the window. The product can also be extended to an approximate 75-degree angle that provides similar functionality to a Straight Drop Awning.

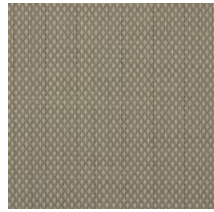
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## Fabric Options



### Dickson® Orchestra

Is the awning and marine fabric of choice when it comes to solar protection, guaranteeing excellent, long-term protection against UV rays, heat, glare and inclement weather.



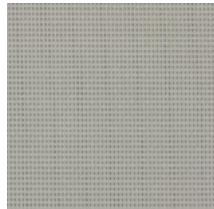
### Smart Shade - Sunscreen

Smart Shade is an exterior sunscreen with a 5% openness factor, providing great strength and stability. It offers effective protection from all-weather circumstances: heat, wind, rain and harmful UV rays.



### Smart Shade Plus - Sunscreen

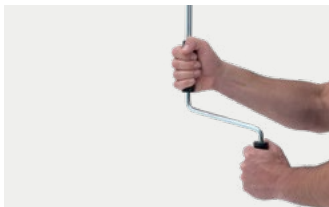
This exterior sunscreen has a broken twill weave that can protect any outdoor area from heat, UV rays, wind and rain. The dual sided colour combination of this fabric also provides improved visibility with lighter colour options, along with reduced heat gain on darker colour options.



### Smart Shade Eco

Smart Shade Eco is a durable exterior sunscreen which allows air flow and lets you see the view. This 2 x 2 basket weave fabric offers effective protection from all New Zealand weather conditions.

## Operating Systems



### Manual crank

The 9:1 ratio gear ensures easy operation no matter the users' strength and can withstand high wind situations.



### Spring operation

Allows the Evo STC to be manually pulled down to the required height and locked off using either the Locking Bolt or Hold Down Clip option. (Only available up to 3500mm wide x 2500mm drop)



### Automation

A range of external motor solutions allow the Luxaflex® Evo External Screen Range to be operated at the touch of a button, via a wall switch control, and even phone or voice via Somfy® connexion.

## Accessories



### Optional Locking bolts

Locking Bolts can be used to secure the External Screen at the ends of the Bottom Rail. With the Evo Straight Drop, Locking Bolts can be inserted into a reveal/post or a breaching staple on the ground for the bolt to slide under. Evo STC lock into the side channels for strength durability.



### Hold down strap

Hold Down Straps can be used to hold the External Screen down to a railing or floor at various points across the width of the screen giving maximum strength against the elements.

## Quality Testing for Strength and Durability



**Salt spray testing**  
Testing for corrosion resistance for wet weather.



**UV testing**  
Testing to ensure the colour's fastness when exposed to the damaging UV rays from the sun.



**Cycle testing**  
Luxaflex® products are cycle tested to replicate daily use for a minimum of 7 years.



**Solar energy modelling**  
Awnings provide shade for your windows. This modelling provides savings that are achievable through the use of Evo Awnings on the typical Australian Home.



**Wind load pressure testing**  
The Luxaflex® Evo Awnings range has been tested by an authorised and respected independent organisation to determine the maximum loads the awnings can withstand before signs of distress and ultimate failure. The table below provides a guide for the wind pressure that these awnings can withstand. We recommend awnings are retracted in windy conditions to avoid the potential for damage.



**Weight load testing**  
To ensure strength of all parts.

| Screen System     | Pressure (Pascal) | Equivalent Wind Speed | Equivalent Weight (Kg) |
|-------------------|-------------------|-----------------------|------------------------|
| Evo Straight Drop | 225               | 67 km/h               | 185                    |
| Evo Cable Guide   | 225               | 67 km/h               | 185                    |
| Evo STC           | 550               | 90 km/h               | 453                    |
| Evo Pivot Arm     | 50                |                       | 41                     |

These results are based on an External Screen size 3300 x 2450mm





*Evo Pivot Arm*

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The Luxaflex logo is written in a stylized, cursive script font. The word "Luxaflex" is in black with a registered trademark symbol (®) at the end. The letters are fluid and connected, with a prominent flourish under the 'x'.