Luxaflex®

Fabric Awnings and External Sunscreens

Monaco Cassette Awning - closed

Bedarra Awning showing variable pitch adjustment

Arms are fitted with stainless steel chains
The most effective way of preventing solar heat gain through windows is to stop the heat before it reaches the glass by providing exterior shading. The LUXAFLEX® Fabric Awning range is extensive and versatile.

**Models**
- External Sunscreens
- System 2000 Awnings
- Folding Arm Awnings
- Robusta Awnings
- Rollamatic Awnings
- Shop-front Awnings
- Canopy Awnings

**Colour Range**
- Fabric Awnings – over 70 colours in canvas and acrylic fabric
- External Sunscreens – 8 colours

**Applications**
- Any building that requires shading
- Retail stores, restaurants, cafes – awnings can add colour to the exterior or interior of the building and can be sign-written for visual impact
- Folding Arm Awnings provide shade for outdoor living and eating areas

**Fabric Specification Overview**
Canvas fabric 52% polyester 48% cotton mix. Treated with anti-mould and mildew agents and TEFLON® Fabric Protector.
Solaire Acrylic fabric is 100% acrylic fibre treated to prevent growth of mould and mildew.
ScreenShade fabric is PVC coated polyester.

**Hardware Specification Overview**
Fabric Awnings & External Sunscreens
Exposed aluminium and steel components coated to AS3715 (powder coated parts) or AS2728 (painted parts), both to Type 3 (mild to moderate, tropical and industrial, exterior) for corrosion protection. All plastic components are UV stabilised.

**Durability**
Colour fastness of fabric: 6-7 Blue Scale (where the maximum score is 7) (AS 2001.4.21)
The arms of Folding Arm Awnings meet Tuv Standard for design. System 2000 Awnings have been wind load tested by the CSIRO®.

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**Energy Benefits**
Preventing heat from entering a building through the window can make a significant difference to cooling costs over the life of the building.
Roll-up fabric awnings can reflect 70% of heat (or more for lighter colours) before it reaches the window and have the added benefit of being retracted during winter to allow winter sun to enter the building to reduce heating costs.
External sunscreens can reduce internal temperatures by 5-15°C compared with an unshaded window.
Many awnings can be automated using sun and wind sensors, or connected to building management systems to optimise energy savings. In fact, careful selection of shading integrated in building design can avert the need for air-conditioning altogether.

**Environmental and Employee Benefits**
Awnings can be selected to give building occupants the optimum combination of light and heat control, privacy and view to the outside.
Many are user adjustable, giving people control of their environment.
Reduction of inside temperatures in summer significantly improves interior comfort levels.
Hunter Douglas Limited, the manufacturer of LUXAFLEX Window Coverings, operates under an Environmental Management System that actively works towards waste and emission reduction and maximising the use of recycling.

**Australian Made**
The System 2000 Awning was designed in Australia and won an Australian Design Award. The EOS® External Sunscreen was also designed in Australia.
Canvas is woven and coated in Australia by Hunter Douglas Limited.
LUXAFLEX® Awnings are made to measure in Australia.

**Quality**
Hunter Douglas Limited, the supplier of the LUXAFLEX Awning components, is a quality endorsed company, certified as complying with the requirements of AS/NZS ISO 9001:2000.

**Commercial Warranty**
All LUXAFLEX Awnings are covered by a two year Commercial Warranty. Conditions apply.

**Reference Projects**
The Emporium/Brisbane/Anthony John Group
South Bank House Project/Brisbane/South Bank Corporation - Asset Management
Domo Collections/Adelaide

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* CSIRO Report No. DTA233
Models and Options

System 2000 Awning
System 2000 Awnings are a revolutionary awning that can be fitted to almost any window fixture. The adjustable anchoring brackets can be located onto the nearest structural support which positions the awning directly over the window, optimising the skin overhang for better sun control. System 2000 Awnings can be installed over windows that are either elevated or at ground level and can be operated by a number of different methods. System 2000 Awnings are suitable for a very wide range of Commercial and Residential applications. Examples include cafes, motels, resorts, retirement homes, hospitals, etc. The System 2000 Awning won an Australian Design Award for its innovative features and has been wind load tested by the CSIRO*.

Features:
• Colour co-ordinated components.
• The Pivot Arm style offers a choice of 5 operating systems; external rope control, interior motorisation, interior or exterior crank and tape control, or internal tape winch control.
• Available with sun and wind sensors and timers for automated motorised operation of your awning.
• Available with an Aluminium skin (except motorised operation and straight drop styles).

Folding Arm Awning
A LUXAFLEX® Folding Arm Awning is a retractable awning which provides an extension to living and commercial areas by providing shade that is particularly suitable for patios, terraces, street fronts and floor to ceiling windows.

Features:
• No obtrusive vertical supports.
• Able to project to 3.6 m and up to 15 m wide for Ibiza, 18 m for Bedarra, Standard & Semi-Cassette & 14 m for Monaco.
• Fixed or adjustable pitch options allow you to choose the shading angle required.
• Awnings can be motorised, with optional sun and wind sensors for effortless control.
• Monaco Cassette Awning provides complete protection to fabric and hardware from harsh Australian environmental conditions when retracted.

Canopy Awning
For a European look a LUXAFLEX® Canopy Awning is available in nearly an infinite number of shapes, making it a truly custom made product. Available in either fixed or retractable.

Shop Front Awnings
Shop Front Awnings have become a traditional part of the Australian retail landscape. Vertically oriented awnings are attached to the front of permanent shop awnings, allowing protection for shops and their patrons from summer heat. These awnings are particularly suitable for sign writing and become an integral part of the image of a store.

Robusta Awnings
Robusta Awnings are heavy duty fabric awnings suitable for windows large in size or located in windy positions. The features of Robusta Awnings allow them to be used on numerous Commercial or Residential buildings such as schools, hospitals, bungalows, etc.

Features:
• Can be controlled internally by an electric motor or crank-driven for both internal or external operation.
• Can be installed directly to the wall or under building eaves.
• For a care-free operation, can be fitted with an automatic sun, rain and wind sensor.

Rollamatic Awning
Specifically designed for balcony applications, but just as practical as a window awning, the Rollamatic is a spring operated, guided awning. The user simply utilises a hook to pull the bottom rail down to the desired location, where the end caps lock against a stop wedge. To release, simply disengage from the stop wedge and the spring automatically retracts the awning. With no dangling ropes, and corrosion resistant guide rails, the Rollamatic is a neat and strong solution for shading balconies. Available with or without a headbox.
**EOS® External Sunscreen**

The new EOS® External Sunscreen is a triumph in Australian Design. Able to accommodate window spans up to 4m x 4m in a single skin, the EOS External Sunscreen is by far the largest available.

Although large, the curved lines give the EOS External Sunscreen a sleek appearance, which can be further enhanced by powder coating to match the building exterior.

**Features:**
- All channels, headbox and rails made from extruded aluminium for corrosion resistance and can be powdercoated to your choice of colour (A).
- Easy to operate, in a choice of winch, gear or motorised operation.
- Optional aluminium side guides (B) or stainless steel cable guides (C). Blockout channels available for internal blockout blinds.
- Flexible mounting options – top, back or side fixings.
- Small light gaps between fabric and side track for improved shading.

**Dimensions**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Maximum Width (mm)</th>
<th>Minimum Width (mm)</th>
<th>Maximum Drop/Projection (mm)</th>
<th>Minimum Drop/Projection (mm)</th>
<th>Maximum Area (sqm)</th>
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<tr>
<td><strong>System 2000</strong></td>
<td></td>
<td></td>
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<tr>
<td>Tape</td>
<td>2510</td>
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<td>1800</td>
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<td>Rope</td>
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<td>Gear</td>
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<td>2000</td>
<td>n/a</td>
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<tr>
<td>Automatic</td>
<td>4200</td>
<td>710</td>
<td>2700</td>
<td>600</td>
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<td>Motor</td>
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<td>2400</td>
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<td>Internal tape winch</td>
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<td>n/a</td>
<td>2100</td>
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<td>Straight drop</td>
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<td><strong>Folding Arm Awnings</strong></td>
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<tr>
<td>Ibiza</td>
<td>15000*</td>
<td>↑</td>
<td>3600*</td>
<td>1750</td>
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<tr>
<td>Bedarra, Standard, Semi-Cassette</td>
<td>18000*</td>
<td>↑</td>
<td>3600*</td>
<td>1600</td>
<td>n/a</td>
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<tr>
<td>Monaco</td>
<td>14000*</td>
<td>↑</td>
<td>3600*</td>
<td>1600</td>
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<td><strong>Shop Front</strong></td>
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<td></td>
<td>6000</td>
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<td>3000</td>
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<td>500</td>
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<td><strong>External Sunscreen</strong></td>
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<td></td>
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<tr>
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<td>3000</td>
<td>500</td>
<td>2400</td>
<td>300</td>
<td>7.2</td>
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<td>Crank</td>
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<td>700</td>
<td>4000</td>
<td>300</td>
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<tr>
<td>Motorised</td>
<td>4000</td>
<td>700</td>
<td>4000</td>
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# series connection ↑ depends on projection *up to 15m width

**Specifications**

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Composition</th>
<th>Weight (gsm)</th>
<th>Thickness (mm)</th>
<th>Openness Factor (AS 2001.4.21)</th>
<th>Tensile Strength</th>
<th>Tear Strength</th>
<th>Flex Abrasion</th>
<th>Resistance</th>
<th>Cycles</th>
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<tbody>
<tr>
<td><strong>Fabric</strong></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Canvas</td>
<td>52/48 Poly/cotton mix</td>
<td>510</td>
<td>0.65</td>
<td>N/A</td>
<td>6.7</td>
<td>Warp - 2100</td>
<td>Weft - 1000</td>
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<td>n/a</td>
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<tr>
<td>Solaire Acrylic</td>
<td>Fluorocarbon treated acrylic fabric</td>
<td>304</td>
<td>0.6</td>
<td>N/A</td>
<td>7</td>
<td>Warp - 1494</td>
<td>Weft - 815</td>
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<td>n/a</td>
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<tr>
<td>ScreenShade</td>
<td>PVC coated polyester</td>
<td>590</td>
<td>0.65</td>
<td>12% average (dependent on colour)</td>
<td>6.7</td>
<td>Warp - 2954</td>
<td>Weft - 1548</td>
<td></td>
<td>n/a</td>
</tr>
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**Fire Retardant (AS 1530.3.1999)**

Complies with the General Requirements of the Building Code of Australia for Fire Hazard properties of materials in buildings. Not suitable for use in parts of buildings with Special Requirements, i.e. fire isolated exits; public corridors leading to a fire isolated stairway, passageway or ramp; a patient care area of health care buildings; and in a public assembly building (e.g. theatre or hall) not protected with a sprinkler system.

**Fungal Resistance**

<table>
<thead>
<tr>
<th>Fungal Resistance</th>
<th>Fabric Type</th>
<th>Leached</th>
<th>Heated</th>
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<tr>
<td>Canvas</td>
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<td>Solaire Acrylic</td>
<td>1,1,1</td>
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<tr>
<td>ScreenShade</td>
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**Energy Efficiency (ASTN E424-1971)**

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<thead>
<tr>
<th>Energy Efficiency</th>
<th>Fabric Type</th>
<th>SC</th>
<th>Ts</th>
<th>Tl</th>
<th>Rs</th>
<th>As</th>
<th>Tuv</th>
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</thead>
<tbody>
<tr>
<td>Canvas (C15)</td>
<td>0.33</td>
<td>0</td>
<td>0</td>
<td>31</td>
<td>69</td>
<td>0</td>
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<tr>
<td>Solaire Acrylic (Apo0)</td>
<td>0.33</td>
<td>11</td>
<td>7</td>
<td>48</td>
<td>41</td>
<td>0</td>
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<tr>
<td>ScreenShade (Pearl White)</td>
<td>0.21</td>
<td>17</td>
<td>18</td>
<td>52</td>
<td>31</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- SC - Shading Coefficient
- Ts - Heat Transmittance %
- Tl - Light Transmittance %
- Rs - Heat Reflectance %
- As - Heat Absorbance %
- Tuv - UV Transmittance
## Specification Templates

### Product Name: LUXAFLEX® SYSTEM 2000 Fabric Awnings

**Awning Skin**
The material used to provide the awning skin shall be Hunter Douglas Canvas/Solaire Acrylic/ScreenShade/... fabric [other] and weighs approximately ... g/m².

**Operating Method**
The awnings shall be operated by Rope/Tape/Crank/Automatic Spring/Motorised.

**Components**
Aluminium components manufactured from extruded and die-cast methods. All plastic components are ultraviolet radiation stabilised.

Steel components manufactured from Zincalume coated steel, painted using the HD COLOR-COTE® Thermosetting Polymer Paint System, coated to AS2728 Type 3.

**Colour**
The awning skin colour and pattern identified as fabric number ... and the headbox colour shall be ...

**Fixing**
Adjustable anchoring points shall be located above the window and fixed to timber studs/onto a masonry wall.

### Product Name: LUXAFLEX® Folding Arm Awnings

**Model**
- Ibiza
- Semi-Cassette
- Standard
- Bedarra – Standard/Variable Pitch
- Monaco Cassette (Only available from LUXAFLEX® Commercial)

**Awning Skin**
The material used to provide the awning skin shall be Solaire Acrylic fabric and weighs approximately 304 g/m².

**Operating Method**
The awnings shall be operated by Crank, Motorised or Motorised with a wind and sun sensor system.

**Components**
The retractable aluminium arms and other metal components are manufactured from corrosion resistant materials. Components for Monaco, Bedarra, Standard and Semi-Cassette are powder coated and Ibiza components are anodised to provide protection from harsh Australian environmental conditions. All plastic components are ultra violet radiation stabilised.

**Colour**
The awning skin colour and pattern identified as Solaire acrylic fabric number ... with colour co-ordinated trims.

**Fixing**
The awning shall be anchored to the roof truss or be mounted to a masonry wall.

### Product Name: LUXAFLEX® Robusta Awnings

**Awning Skin**
The material used to provide the awning skin shall be Hunter Douglas Canvas/Solaire Acrylic/... fabric [other] and weighs approximately ... g/m².

**Operating Method**
The awnings shall be Crank operated or Motorised.

**Components**
Aluminium components manufactured from extruded and die-cast methods. All plastic components are ultraviolet radiation stabilised.

**Colour**
The awning skin colour and pattern identified as fabric number ... with trims.

**Fixing**
Anchoring points at either end of the awning shall be located above/beside the window and fixed to timber studs or onto a masonry wall.

### Product Name: LUXAFLEX® Shop Front Awnings

**Awning Skin**
The material used to provide the awning skin shall be Hunter Douglas Canvas/Solaire Acrylic/... fabric [other] and weighs approximately ... g/m².

**Operating Method**
The awnings shall be operated by rope.

**Componentry**
Aluminium components manufactured from extruded and die-cast methods. All plastic components are ultraviolet radiation stabilised.

**Colour**
The awning skin colour and pattern identified as fabric number ... and the headbox colour shall be ...

**Fixing**
The awning shall be fixed to the cantilevered shop front at either end of the awning. J-hooks shall be supplied to contain the awning in its lowered position.

### Product Name: LUXAFLEX® Canopy Awning

**Awning Skin**
The material used to provide the awning skin shall be Hunter Douglas Canvas/Solaire Acrylic/ScreenShade/... fabric [other] and weighs approximately ... g/m².

**Operating Method**
The awnings shall be fixed or retractable.

**Components**
Aluminium components manufactured from extruded and die-cast methods. All plastic components are ultraviolet radiation stabilised.

Steel components manufactured from Zincalume coated steel.

**Colour**
The awning skin colour and pattern identified as fabric number ...

**Fixing**
Adjustable anchoring points shall be located above and/or beside the window and fixed to timber studs or onto a masonry wall.

### Product Name: LUXAFLEX® External Sunscreen

**Awning Skin**
The material used to provide the awning skin shall be Hunter Douglas ScreenShade fabric, made from PVC coated polyester, weighing Approximately 590 g/m², with tensile strength 2,100N (warp) and 1,000N (weft) and openness factor 12%.

**Hardware**
The operating hardware shall be the Hunter Douglas EOS® External Sunscreen.

The guiding shall be Aluminium channel guide/blockout guide/stainless steel cable.

**Operating Method**
The awnings shall be operated by Rope Winch/Gear/Motorised.

**Components**
Aluminium components manufactured from extruded and die-cast methods. All plastic components are ultraviolet radiation stabilised.

**Colour**
The awning skin colour and pattern identified as fabric number ... and the hardware colour shall be ...

**Fixing**
Adjustable anchoring points shall be located above the window and fixed to timber studs/onto a masonry wall.