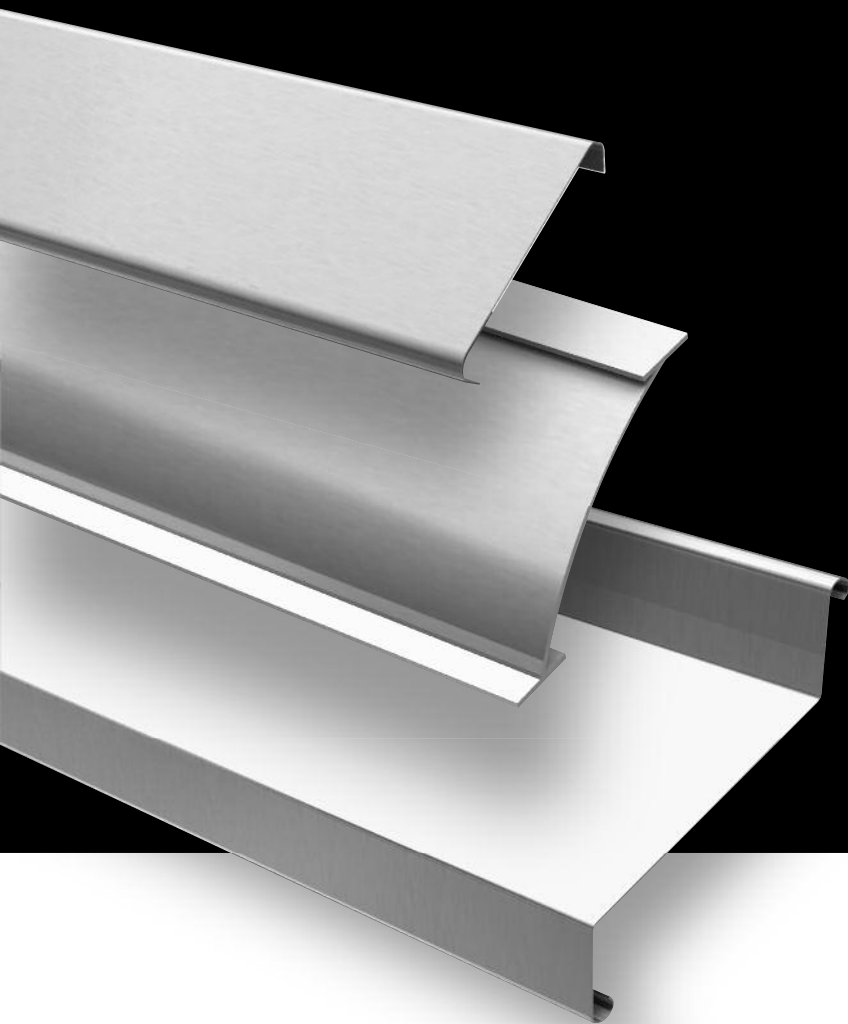


# Panel Systems

HunterDouglas® Panel Systems for Sun Control offer excellent design, functionality and comfort with multifunctional louvre systems. Panel Systems can be installed in a projected or parallel orientation to the façade or designed in relation to the angle of the sun.



## HunterDouglas

---

SUN CONTROL



# Panel Systems

## In line with style

### DESIGN FLEXIBILITY

HunterDouglas® Panel Systems within the Sun Louvre product range, give architects the freedom to choose the right system to meet aesthetic, performance and comfort criteria.

Create an elegant, light appearance with gently curved edges with aluminium rollformed panels 84R, 70S and 132S. For designs with a more defined look, extruded aluminium panels 100R and 110HC are the ideal choice. Almost all HunterDouglas® Panel Systems can be mounted on the same substructure and projected horizontally, vertically or angled.

### DURABILITY

The high quality components, used to manufacture the Panel Systems, deliver high performance and low maintenance: products built to last.

### EASY INSTALLATION

Panel Systems are easy and quick to install with very few tools required. All systems (excluding 110HC) can be installed using the same extruded aluminium substructure.

Steel wall brackets fitted to the façade ensure the carrier profiles with brackets or stringers are easily fixed in place. Panels are snapped into place on the brackets or stringers without tools. As an option for horizontal applications, a fascia can be fitted to the carrier profiles.

The 110HC Panel System is made of extruded aluminium panels which are assembled in a frame. Relatively small segments can be mounted on the façade as a pre-assembled unit for quick installation. Larger segments need to be assembled on the building.



#### **LIGHT, HEAT & ENERGY**

Because great looks are not enough, Hunter Douglas has developed computer simulation and calculation tools to ensure optimal shading performance.

Considering location, building orientation, pre-defined building requirements and local weather data, our project support team can analyse and custom-optimize the Sun Control system for each project.

All Panel Systems - 84R, 70S/132S, 100R and 110HC - are aluminium single skin panels with a range of support structures.

Horizontal and vertical projections come in a variety of panels and modulations to meet the project specification and design.

<b>CONTENT</b>	<b>Page</b>
<b>84R</b>	<b>2</b>
<b>100R</b>	<b>4</b>
<b>70S/132S</b>	<b>6</b>
<b>110HC</b>	<b>8</b>
<b>Substructure</b>	<b>10</b>
<b>Design Options</b>	<b>12</b>
<b>Impressions</b>	<b>13</b>
<b>Material specifications</b>	<b>14</b>
<b>Light, Heat &amp; Energy</b>	<b>15</b>

## **Innovative Products Make Innovative Projects**



Production by  
Hunter Douglas  
Ceiling Center

**HunterDouglas**

## SYSTEM DESCRIPTION

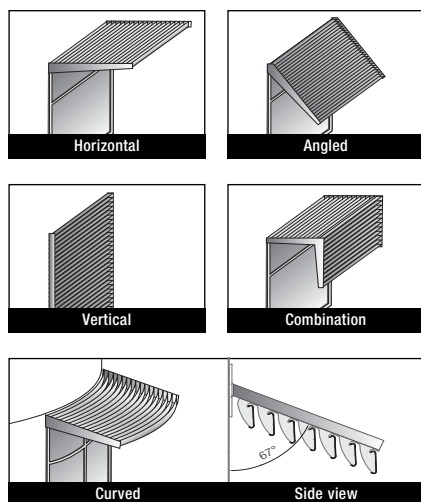
The HunterDouglas® 84R Panel System is a classic system ideal for straight, curved or angled façade applications and has an elegant and light appearance with smooth rounded edges.

## INSTALLATION

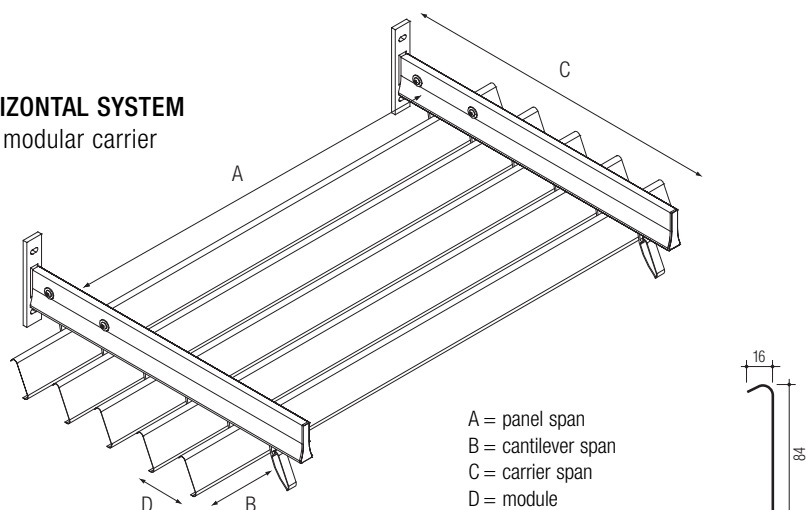
HunterDouglas® 84R Panel System is easy and quick to install with very few tools required. When the steel wall brackets\* are fitted to the façade, the carrier profiles with (pre-fixed) brackets and spacers or stringers slide over the wall brackets and are easily fixed with a bolt-through connection. The C-shaped panels (in full length) are locked on to the brackets.

A wide range of carrier profiles with fixed or variable modulation is available to ensure that optimal shading angles and openness are achieved for each application. 84R Panel Systems can also be used as ventilated façades.

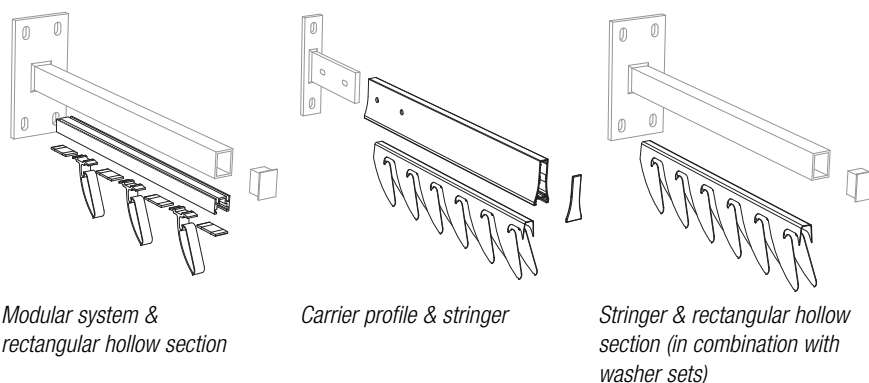
The 84R Panel System can be installed in 5 ways:



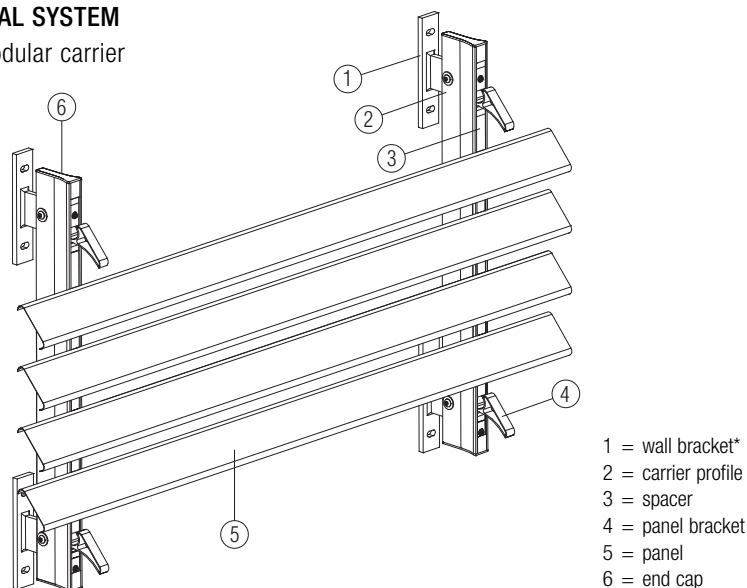
## HORIZONTAL SYSTEM with modular carrier



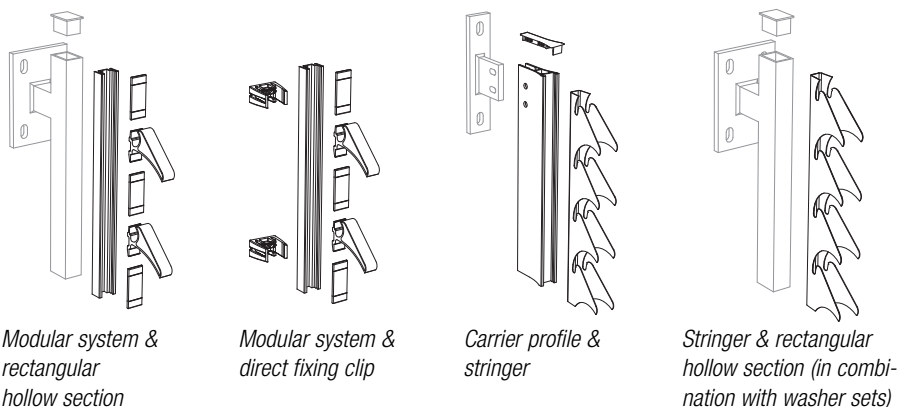
## OTHER SUPPORT STRUCTURES:



## VERTICAL SYSTEM with modular carrier



## OTHER SUPPORT STRUCTURES:



\* The steel wall brackets are usually designed and manufactured by the installers and are not a standardised part of the system



## CARRIER SYSTEMS

A variety of carrier systems is available allowing the optimal solution for each application:

- the fixed SL-2/3/4/5 stringers
- the self supporting extruded SLR-40/60/60V/100 and the direct mount SLR-10 with different modules by using different spacers and brackets.

Each solution has its own modulation and shading angle.

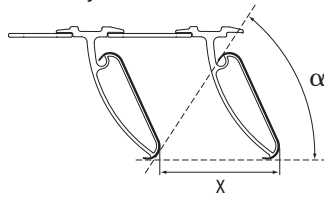
See page 10 - 11 for a complete overview of stringers and carrier systems suitable for 84R.

## MATERIAL

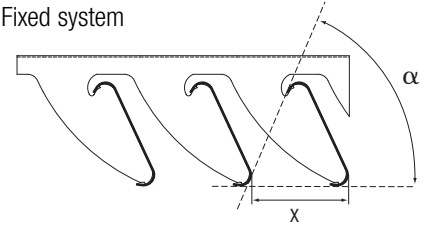
The 84R panels are roll formed from 0.6 mm thick pre-painted (Luxacote® system) stove enameled aluminium strip of corrosion resistant alloy EN-AW-3005. The stringers are roll formed pre-painted profiles. The SLR-carrier system, brackets and spacers are aluminium extruded profiles.

## SHADING ANGLES - Horizontal

Modular system



Fixed system

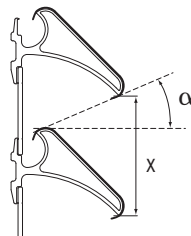


Modular system			Fixed system		
Spacer	x	α	Stringer	x	α
48	74	67°	SL-2	74	66°
63	89	57°	SL-4*	86	67°
88	114	45°			

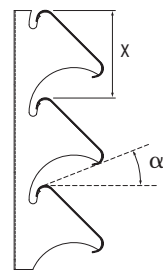
\* to be mounted on top of a rectangular hollow section

## SHADING ANGLES - Vertical

Modular system



Fixed system



Modular system			Fixed system		
Spacer	x	α	Stringer	x	α
48	71	8°	SL-3	69	0°
63	86	23°	SL-4	86	21°
88	111	41°	SL-5	74	23°

## SHADING ANGLES - Angled

The shading angle of a sun control system mounted under an angle is different to a horizontal projected system. For each individual mounting angle the shading angle can be calculated by our project support team (also for combined systems).

## MAXIMUM SPANS

### Panel Span

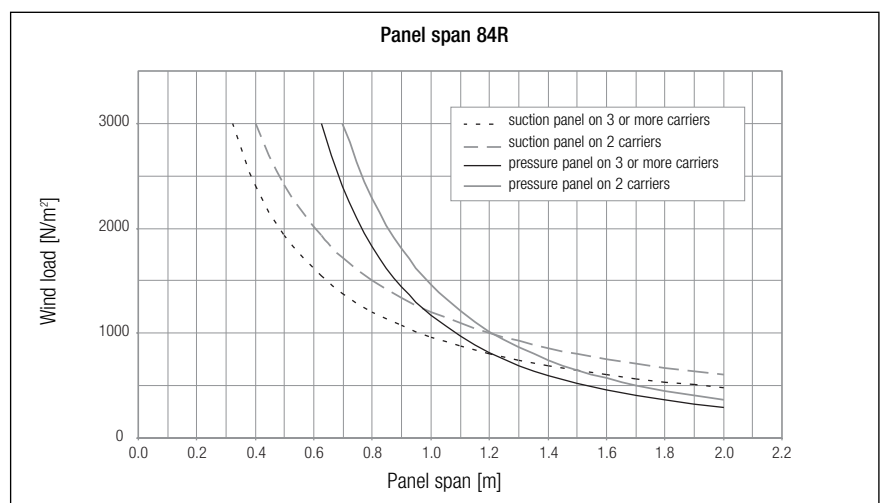
The panel span in relation to the wind load (pressure or suction), can be calculated from the graph on the right.

There are two graphs per wind load type based on the application:

- If a multi-span panel system is required, consult the '3 carriers or more' graph.
- When using 2 carriers, consult the '2 carriers' graph.

*Note: Calculating the value of the local wind load is the responsibility of the installer who must take into account the regulations laid down by local authorities.*

*For corners, roof edges or special designs, wind pressure/suction shall be determined with due consideration of the relevant local country's Standard Code of Building Practice.*



For other carrier tables using our stringers or the modular carrier system, please consult the Hunter Douglas sales office. For snowloads consult your local building regulations.

# 100R

## SYSTEM DESCRIPTION

The HunterDouglas® 100R Panel System is made from strong and highly durable extruded aluminium C-shaped panels and has an open and 'sturdy' appearance.

## INSTALLATION

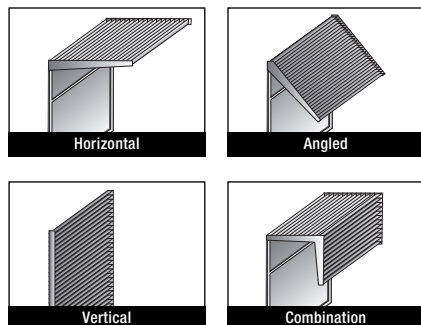
HunterDouglas® 100R Panel System is quick and easy to install and requires very few tools.

When the steel wall brackets\* are fitted to the façade, the carrier profiles with (pre-fixed) 'PA6 GF' brackets and spacers slide over the wall brackets and are easily fixed with a bolt-through connection. The C-shaped panels (in full length) are locked on to the brackets.

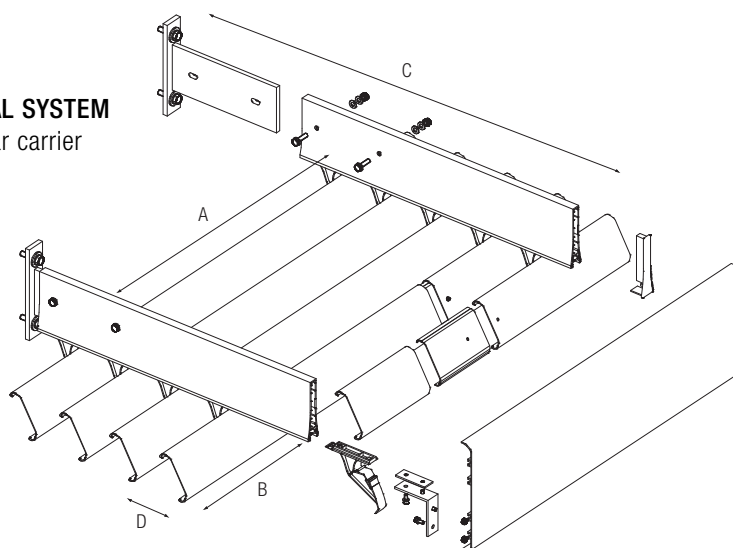
A fascia (optional) is fixed to the end of the carrier profiles with brackets.

A wide range of stylish carrier profiles with sliding brackets are available to ensure that optimal shading angles and openness are achieved for each application. The 100R Panel System can also be used as ventilated façades.

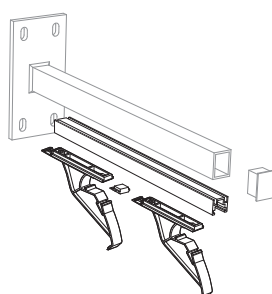
The 100R Panel System can be installed in 4 ways:



## HORIZONTAL SYSTEM with modular carrier

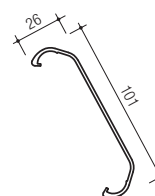


## OTHER SUPPORT STRUCTURES:



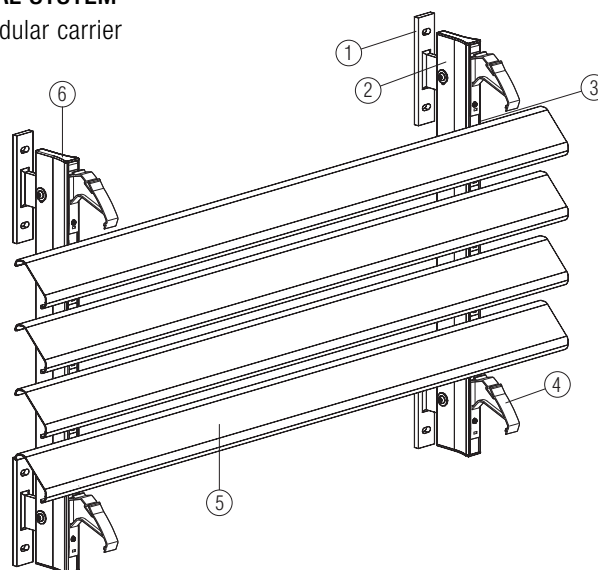
*Modular system & rectangular hollow section*

A = panel span  
B = cantilever span  
C = carrier span  
D = module



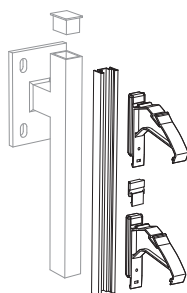
100R Panel (Alu)

## VERTICAL SYSTEM with modular carrier

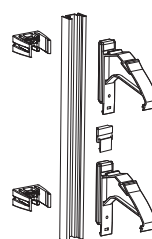


1 = wall bracket\*  
2 = carrier profile  
3 = spacer  
4 = panel bracket  
5 = panel  
6 = end cap

## OTHER SUPPORT STRUCTURES:



*Modular system & rectangular hollow section*



*Modular system & direct fixing clip*

\* The steel wall brackets are usually designed and manufactured by the installers and are not a standardised part of the system

## CARRIER SYSTEMS

A variety of carrier systems is available allowing the optimal solution for each application:

- the self supporting extruded SLR-40/60V/100 and the direct mount SLR-10 with different modules by using different polycarbonate spacers and brackets.

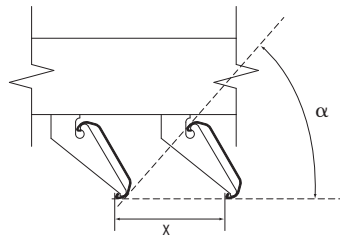
Each solution has its own modulation and shading angle.

See page 10 - 11 for a complete overview of carrier systems suitable for 100R.

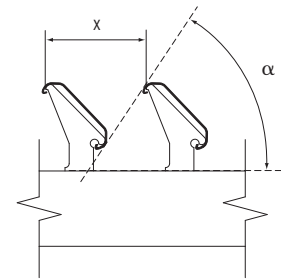
## MATERIAL

The 100R panels are aluminium extruded 100 mm wide C-shaped panels with a thickness of 1.8 mm and are available in powder coated or anodized finish. The panels are extruded profiles (according to EN755-9) made from corrosion resistant alloy. The SLR-carrier system is made of extruded corrosion resistant aluminium. The spacers and brackets are made of black polycarbonate.

## SHADING ANGLES - Horizontal

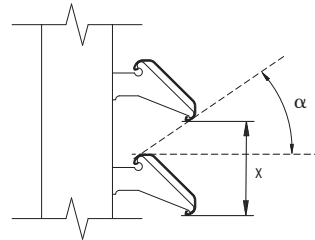


Spacer	X	α
0 mm	90	69°
30 mm	120	53°



Spacer	X	α
0 mm	90	79°
30 mm	120	56°

## SHADING ANGLES - Vertical



Spacer	X	α
0 mm	90	11°
30 mm	120	34°

## SHADING ANGLES - Angled

The shading angle of a sun control system mounted under an angle is different to a horizontal projected system. For each individual mounting angle the shading angle can be calculated by our project support team (also for combined systems).

## MAXIMUM SPANS

### Panel Span

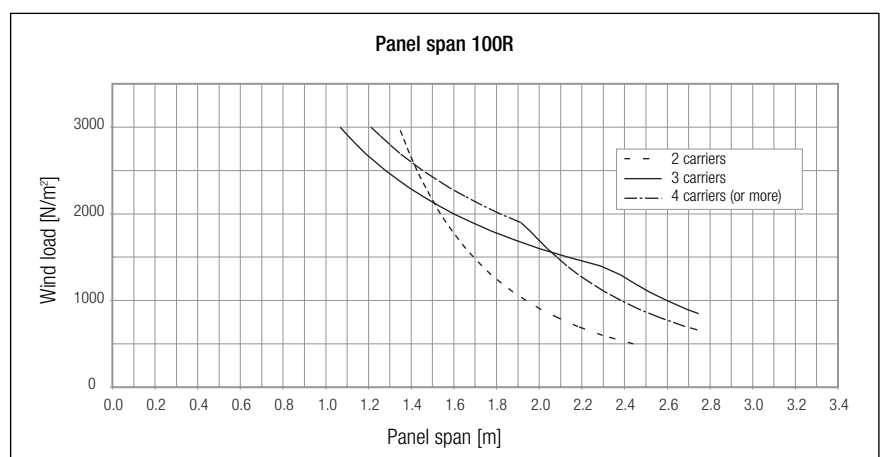
The panel span in relation to the wind load (pressure or suction), can be calculated from the graph to the right.

There are three graphs per wind load type based on the application:

- If a multi-span panel system is required, consult the '3 and 4 carriers or more' graph.
- When using 2 carriers, consult the '2 carriers' graph.

*Note: Calculating the value of the local wind load is the responsibility of the installer who must take into account the regulations laid down by local authorities.*

*For corners, roof edges or special designs, wind pressure/suction shall be determined with due consideration of the relevant local country's Standard Code of Building Practice.*



For other carrier tables using our modular carrier system, please consult the Hunter Douglas sales office. For snowloads consult your local building regulations.

# 70S/132S

## SYSTEM DESCRIPTION

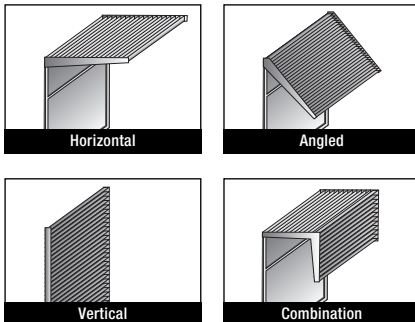
The HunterDouglas® 70S and 132S Panel System consist of sturdy Z-shaped panels. The panels provide a crisp, pleasing aesthetic design.

## INSTALLATION

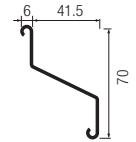
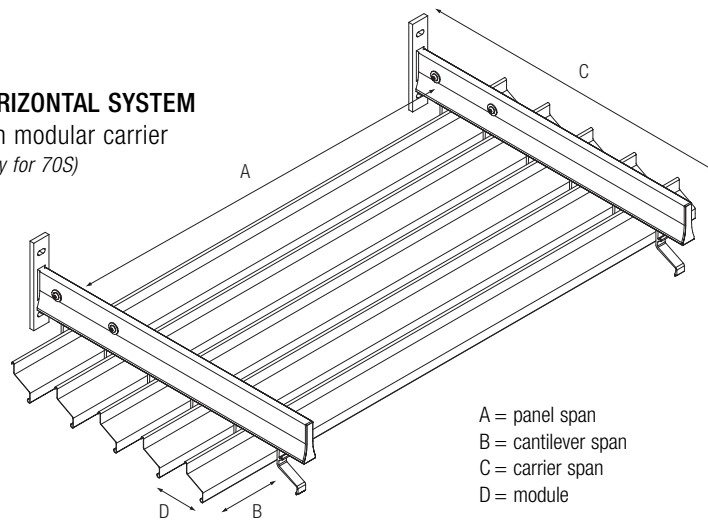
HunterDouglas® 70S and 132S Panel Systems are quick and easy to install with very few tools required. When the steel wall brackets\* are fitted to the façade, the carrier profiles with (pre-fixed) brackets and spacers slide over the wall bracket and are easily fixed with a bolt-through connection. The Z-shaped panel (in full length) are locked on to the brackets.

A wide range of stylish carrier profiles with sliding brackets are available to ensure that optimal shading angles and openness are achieved for each application. 70S and 132S Panel Systems can also be used as ventilated façades.

The 70S and 132S Panel System can be installed in 4 ways:

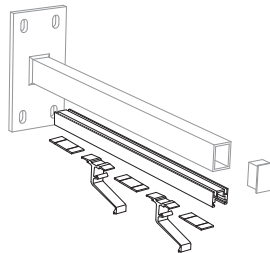


## HORIZONTAL SYSTEM with modular carrier (Only for 70S)

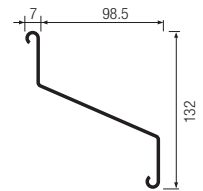


70S Panel (Alu)

## OTHER SUPPORT STRUCTURES:

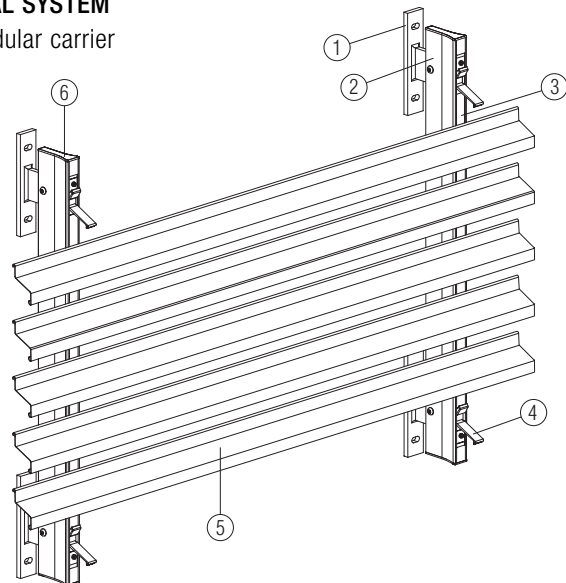


Modular system & rectangular hollow section  
(Only for 70S)

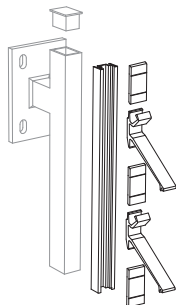


132S Panel (Alu)

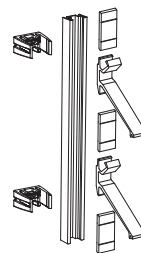
## VERTICAL SYSTEM with modular carrier



## OTHER SUPPORT STRUCTURES:



Modular system &  
rectangular hollow section



Modular system &  
direct fixing clip

\* The steel wall brackets are usually designed and manufactured by the installers and are not a standardised part of the system



# 70S/132S

## CARRIER SYSTEMS

A variety of carrier systems is available allowing the optimal solution for each application:

- the self supporting extruded SLR-40/60/60V/100 and the direct mount SLR-10 with different modules due to different spacers and brackets.

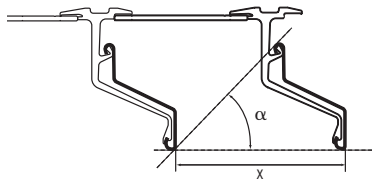
Each solution has its own modulation and shading angle.

See page 10 - 11 for a complete overview of carrier systems suitable for 70S and 132S.

## MATERIAL

The 70S and 132S panels are roll formed from 0.6 mm pre-painted (Luxacote® system) stove enamelled aluminium strip of corrosion resistant alloy EN-AW-3005. The SLR-carrier system, brackets and spacers are aluminium extruded profiles.

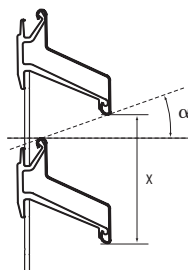
## SHADING ANGLES - Horizontal



### 70S

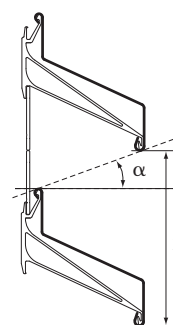
Spacer	X	$\alpha$
48 mm	75	67°
63 mm	90	57°
88 mm	115	44°

## SHADING ANGLES - Vertical



### 70S

Spacer	X	$\alpha$
48 mm	70	0°
63 mm	85	20°
88 mm	110	43°



### 132S

Spacer	X	$\alpha$
88 mm	132	0°
126 mm*1	170	22°
176 mm*2	220	42°

\*1 126 mm (2 x 63 mm) - \*2 176 mm (2 x 88 mm)

## SHADING ANGLES - Angled

The shading angle of a sun control system mounted under an angle is different to a horizontal projected system. For each individual mounting angle the shading angle can be calculated by our project support team (also for combined systems).

## MAXIMUM SPANS

### Panel Span

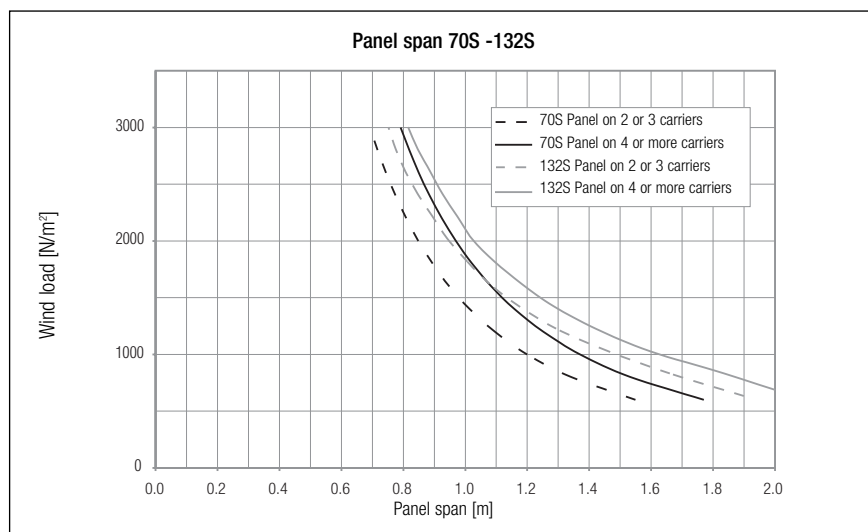
The panel span in relation to the wind load (pressure or suction), can be calculated from the graph to the right.

There are two graphs per wind load type based on the application:

- If a multi-span panel system is required, consult the '4 carriers or more' graph.
- When using 2 or 3 carriers, consult the '2 or 3 carriers' graph.

*Note: Calculating the value of the local wind load is the responsibility of the installer who must take into account the regulations laid down by local authorities.*

*For corners, roof edges or special designs, wind pressure/suction shall be determined with due consideration of the relevant local country's Standard Code of Building Practice.*



For other carrier tables using our modular carrier system, please consult the Hunter Douglas sales office. For snowloads consult your local building regulations.

# 110HC

## SYSTEM DESCRIPTION

The HunterDouglas® 110HC Panel System is made of extruded aluminium panels assembled in a frame and has a robust, high-tech appearance.

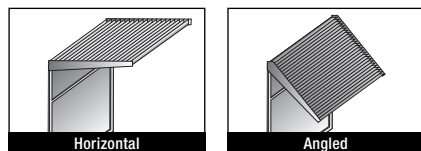
## INSTALLATION

HunterDouglas® 110HC Panel System allows easy and quick installation with very few tools. With relatively small segments the system can be mounted to the façade as a pre-assembled unit. Larger segments need to be assembled on the building site. Once the steel wall brackets have been fitted to the façade, the support arms must be mounted. The panels and the spacer blocks slide into place between the fitted support arms.

Finally the front of the system must be covered with one of the available fascias. Hunter Douglas offers 2 standard fascia profiles:

- the channel (35 x 115 mm)
- the bull nose (135 x 115 mm)

The 110HC panel system can be installed in 2 ways:

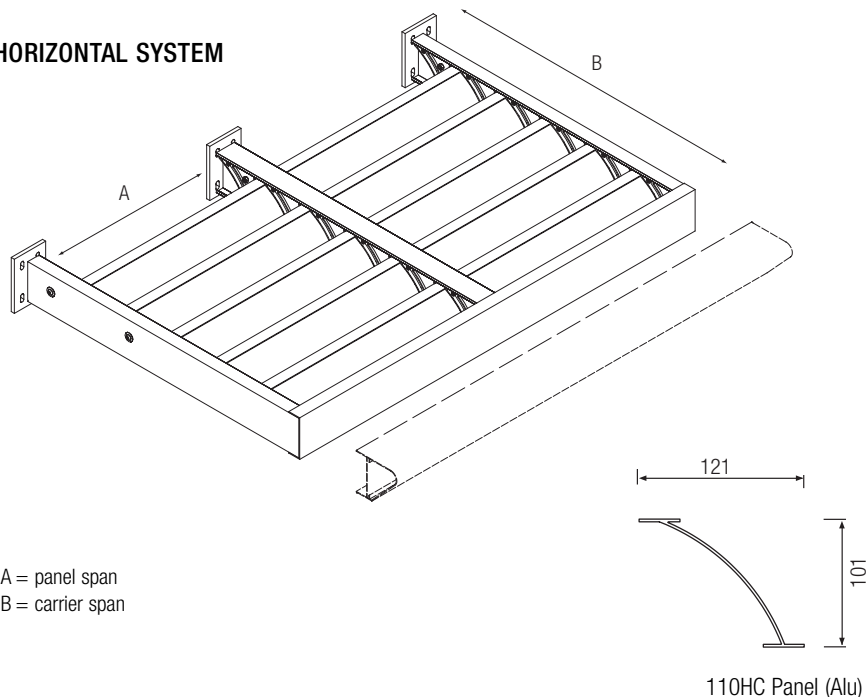


## CONSTRUCTION

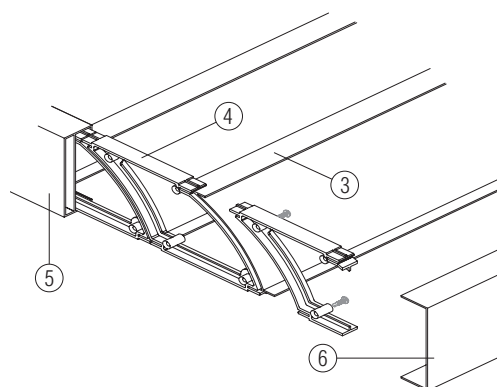
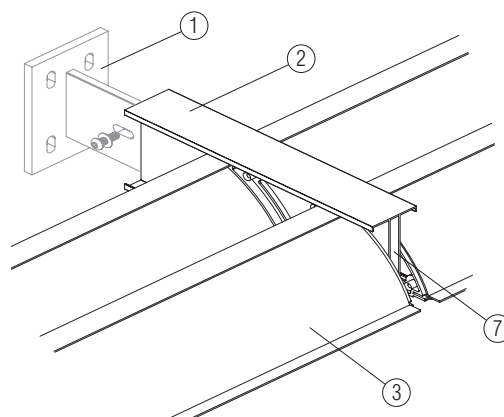
The panels have sufficient rigidity to span 1800 mm without intermediate support arms (subject to site conditions). Panels are locked in place by precision injection molded non-vibrating polypropylene spacer blocks. The design guarantees rigidity and is rattle-free.

The end support arm and the intermediate support arm profiles are 35 x 110 mm and 55 x 110 mm. To achieve a rigid fixing method to the wall brackets a void of 100 x 9 mm is provided in the centre of each support arm (7).

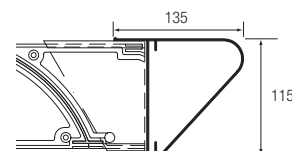
## HORIZONTAL SYSTEM



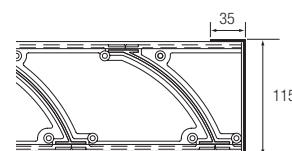
## SUN LOUVRE 110 HC - CONSTRUCTION



## TYPES OF STANDARD FASCIA



Bull nose



Channel

- 1 = wall bracket
- 2 = support arm (intermediate profile)
- 3 = 110HC louvre panel
- 4 = 110HC spacer block
- 5 = support arm (end profile)
- 6 = 110HC channel fascia
- 7 = void for fixing wall bracket

## CARRIER SYSTEMS

The 110HC Panel System has its own specific carrier construction. There is a choice between 2 different size spacer blocks:

- 142 mm
- 162 mm

Each solution has its own shading angle.

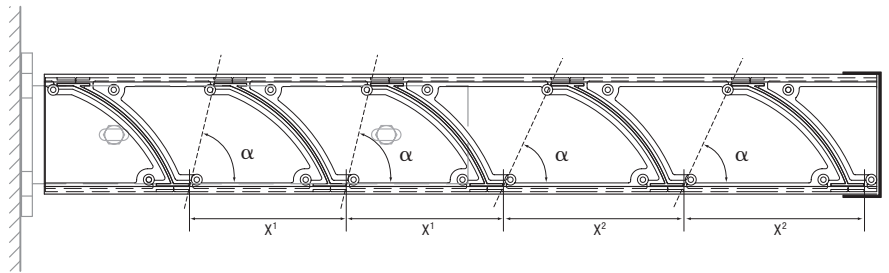
## MATERIAL

The 110HC Sun Louvre panels are aluminium extruded H-shaped with a thickness of 1.8 mm and available in powder coated or anodised finish.

The panels are extruded profiles (according to EN755-9) made from corrosion resistant alloy. Spacers are made of polypropylene with glass fibre.

Support arms (end profile and intermediate profile) are extruded aluminium (according to EN755-9) made from corrosion resistant alloy with a thickness of 1.8 mm.

## SHADING ANGLES - Horizontal



## 110HC

Spacer	$x^1$	$x^2$	$\alpha$
142 mm	144		77°
162 mm		164	57°

## SHADING ANGLES - Angled

The shading angle of a sun control system mounted under an angle is different than the horizontal projected system. For each individual mounting angle the shading angle can be calculated by our project support team.

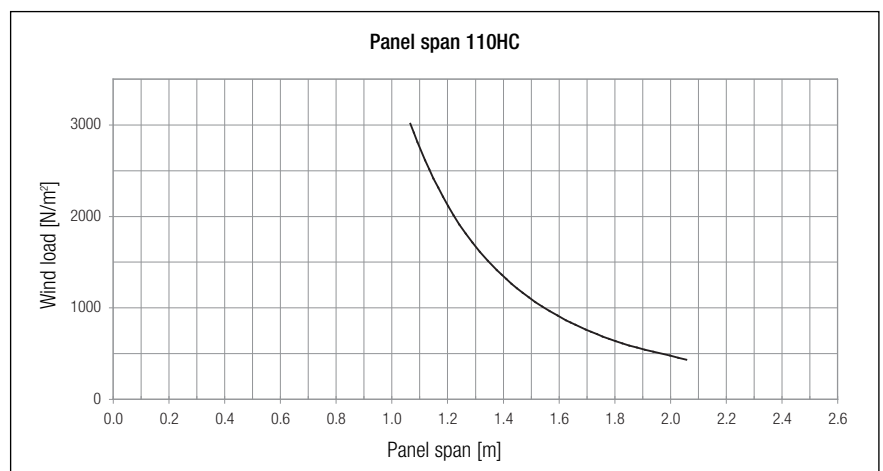
## MAXIMUM SPANS

### Panel Span

The panel span in relation to the wind load (pressure or suction), can be calculated from the graph to the right.

*Note: Calculating the value of the local wind load is the responsibility of the installer who must take into account the regulations laid down by local authorities.*

*For corners, roof edges or special designs, wind pressure/suction shall be determined with due consideration of the relevant local country's Standard Code of Building Practice.*



*For carrier tables please consult the Hunter Douglas sales office. For snowloads consult your local building regulations.*

# Substructure

## DESCRIPTION

For the 84R, 70S, 132S and 100R Panel Systems there is a variety of (selfsupporting) extruded carriers available. The 84R Panel System also has stringers available (see page 11).

## SELF SUPPORTING CARRIERS:

To apply the SLR-self supporting carriers, only a wall bracket\* is required. Carriers can be fixed directly on the wall-bracket, except the SLR-10. SLR-10 is fixed directly on the façade with the direct fixing clip (vertical installation) or on a rectangular hollow section (horizontal installation).

The extruded aluminium profiles of the SLR-system are available in:

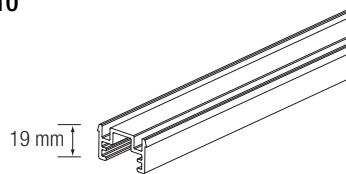
- natural anodised finish
- mill finish to be powder coated / anodised in any colour

Each panel system is designed with its own specific brackets and spacers that easily slide into the SLR-carriers (See page 11)

The SLR-carriers can be closed with a specific end cap (excluding the SLR-10).

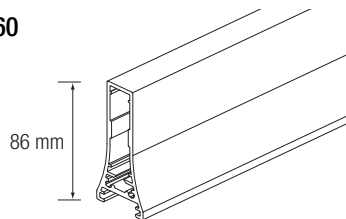
## HORIZONTAL SYSTEM

### SLR-10



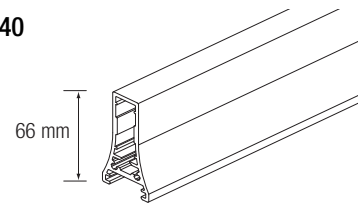
- to be used on a support structure
- for 84R, 70S, 132S and 100R

### SLR-60



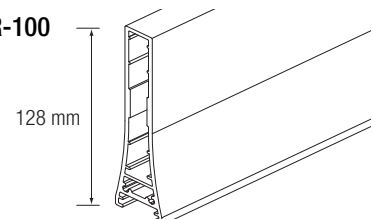
- to be used directly on wall bracket (60 x 10 mm)
- for 84R, 70S, 132S and 100R

### SLR-40



- to be used directly on wall bracket (40 x 10 mm)
- for 84R, 70S, 132S and 100R

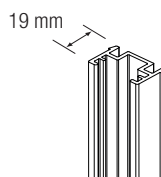
### SLR-100



- to be used directly on wall bracket (100 x 10 mm)
- for 84R, 70S, 132S and 100R

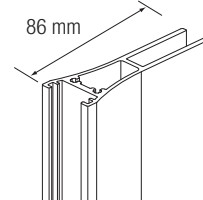
## VERTICAL SYSTEM

### SLR-10



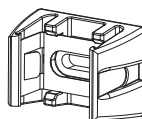
- to be used on a support structure
- for 84R, 70S, 132S and 100R

### SLR-60V

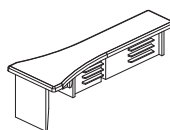


- to be used directly on wall bracket (with thickness 10 mm)
- for 84R, 70S, 132S and 100R

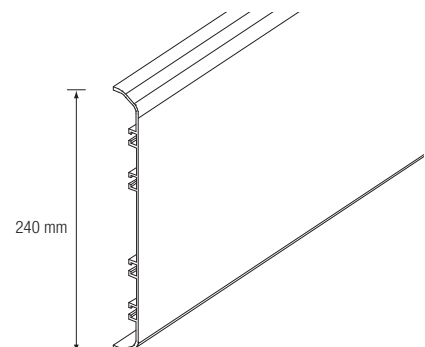
## GENERAL PRODUCTS



Wall Bracket  
- direct fixing clip for the SLR-10



End Cap  
- available for the SLR-40, 60, 60V, and 100



Extruded Fascia, designed for 100R  
- fascia height fits horizontal application with SLR-100  
- can be mounted on all SLR-profiles

\* The steel wall brackets are usually designed and manufactured by the installers and are not a standardised part of the system

# Specific carriers / Components

## DESCRIPTION

The self supporting carriers and panel system have specific brackets and spacers.

## 84R SYSTEM

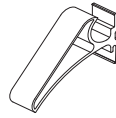
Fixed stringers are available to create more flexibility and can be mounted on:

- SLR-system
- Rectangular hollow section (in combination with washer sets)

## COMPONENTS FOR THE SLR-SYSTEM



Horizontal Bracket (65°)  
(natural anodised)



Vertical Bracket (45°)  
(natural anodised)



48 mm

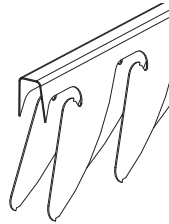


63 mm



88 mm

Spacers  
(natural anodised)



SL-2 (65°)

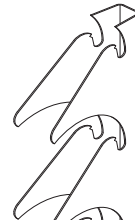


SL-4 (45°)

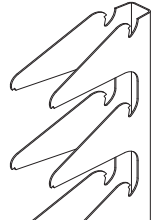
Stringers for horizontal applications  
(pre-painted)



SL-3 (66°)



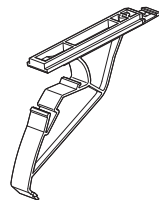
SL-4 (45°)



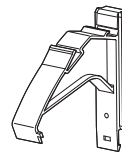
SL-5 (25°)

Stringers for vertical applications  
(pre-painted)

## 100R SYSTEM



Horizontal Bracket (60°)  
(PA6 GF)

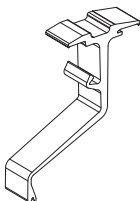


Vertical Bracket (45°)  
(PA6 GF)

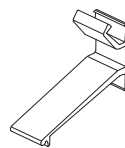


Spacer  
(PA6 GF)

## 70S SYSTEM



Horizontal Bracket (65°)  
(natural anodised)



Vertical Bracket (65°)  
(natural anodised)



48 mm



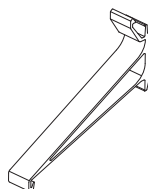
63 mm



88 mm

Spacers  
(natural anodised)

## 132S SYSTEM



Vertical Bracket (65°)  
(natural anodised)



48 mm



63 mm



88 mm

Spacers  
(natural anodised)



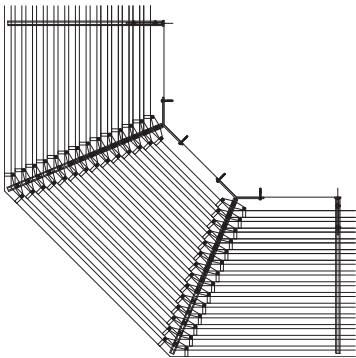
# Design Options

## CORNER SOLUTIONS

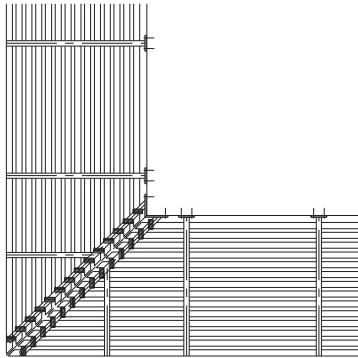
For each of the HunterDouglas® Panel Systems we offer solutions for every corner. As standard we have the following solutions per system.

System	A	B	C	D
84R	x*	x*	x	x
70S	x*	x*	x	x
132S	x	x	x	x
100R	x*	x*	x	x
110HC	x	x		x

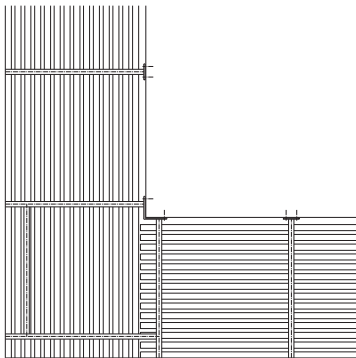
\* These corners are easy to create with our standard corner brackets



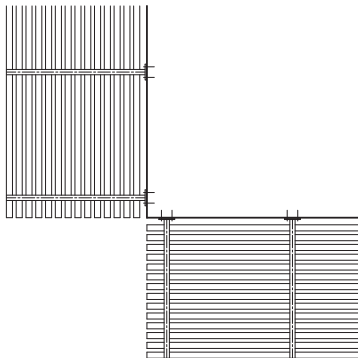
A: Fragmented Cut  
(Panels have to be cut on site)



B: Mitre Cut  
(Panels have to be cut on site)



C: Straight Cut



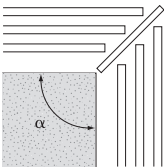
D: Open Corner

## CORNER BRACKET

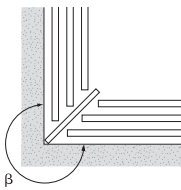
84R, 70S and 100R panels in combination with the Hunter Douglas SLR system come with a standard adjustable corner bracket. With the corner bracket you can easily install panels in every possible corner.

## CORNER SOLUTION

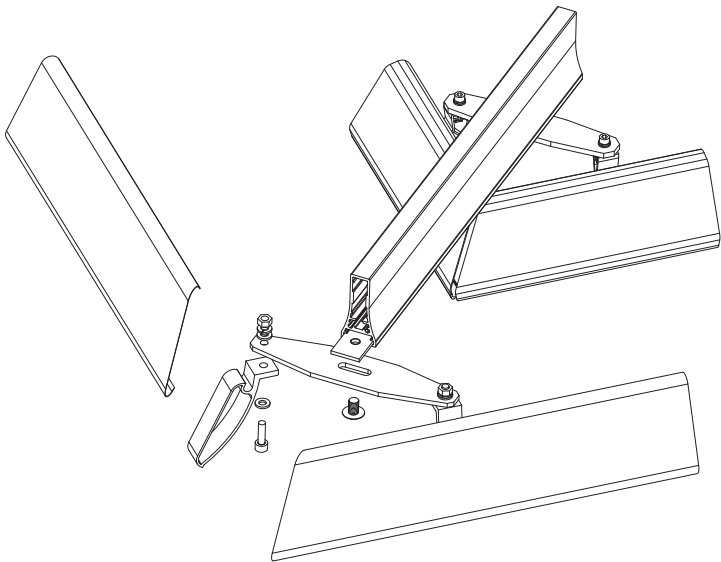
Angle	From	Till
$\alpha$	45°	180°
$\beta$	180°	270°



Outside



Inside



Installation of the 84R panel with the adjustable corner bracket  
(also standard available for 70S and 100R)  
(Panels have to be cut on site)

# Impressions

*Project : Police Office*

*Location : Dongen, the Netherlands*

*Product : 100R with corner solution*



*Project : Comair*

*Location : Kempton Park, South Africa*

*Product : 132S with corner solution*



# Material specifications

## Roll formed 84R, 70S and 132S panels

The panels are roll formed from 0.6 mm thick pre-painted (Luxacote® system) stove enameled aluminium strip (according to EN 1396). The strip is made from a corrosion resistant alloy EN AW-3005 or equivalent.

There is a wide standard colour range available for the roll formed panels. See the HunterDouglas® Exterior colour program. Other (RAL or NCS) colours are available on request. The panels have a full white coating on the back-side to enhance interior light levels.

## Extruded 100R and 110HC panels

The panels are aluminium extruded (according to EN 755-9) made from corrosion resistant alloy EN-AW 6060 T66. The thickness of the 100R and 110HC panels is 1.8 mm. Both panels can be post-painted or anodised. Post painted is done with a polyester powder coating (PPC) with an average thickness of 60 micron. Anodising is done according to the European standard EN 12373.

## SLR self supporting carriers

The SLR-carriers are made of extruded aluminium (according to EN 755-9). Standard available in natural anodised (according to EN 12373) and mill-finish to give the freedom for anodising or powder coating.

## Rollformed Stringers

The 84R Panel System is also available with fixed stringers. The stringers are roll formed from 0.95 mm thick pre-painted (polyester paint) aluminium alloy HD5050 or equal (according to EN 1396).

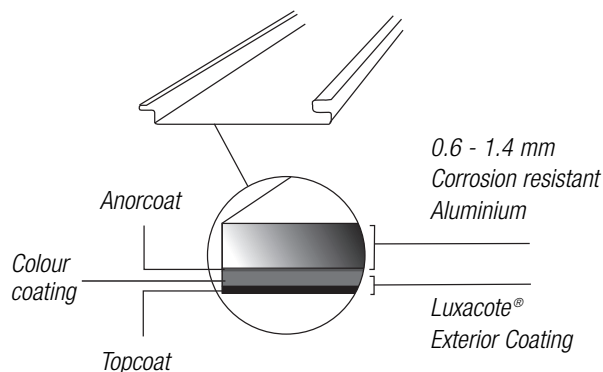
## SLR brackets and spacers

The SLR-brackets and spacers are made of extruded aluminium (according to EN 755-9). Standard available in natural anodised finish. Except the bracket and spacer of the 100R System which is made of black 'PA6 GF'.

## LUXACOTE® (Only for the roll formed panels)

Luxacote® is an exclusive Hunter Douglas innovation that enhances the durability of exterior aluminium building applications. Its strength and efficiency comes from a powerful 3-layered system that consists of an anorcoat pretreatment, a colour coating, and a transparent topcoat.

Unprecedented Protection  
**LUXACOTE®**  
for exterior application



### Anorcoat - The Key to Durability

After degreasing and cleaning the aluminium substrate, an anorcoat conversion layer is applied to the product. This conversion layer accomplishes two things:

- Permanently anchors the paint to the aluminium surface
- Protects the aluminium surface from corrosion

Anorcoat is the key to the excellent performance of the Luxacote® system; it provides far superior protection than conventional conversion layers.

### Colour coating - Powerful Pigments

The base of the pigmented coating of Luxacote® is polyurethane. The colour coating contains no chlorides, fluorides, or halogens. To ensure optimal colour-fastness, we only use colour-stable pigments.

### Topcoat - The Final Touch

The transparent polyurethane topcoat with polyamide particles finishes the Luxacote® system, giving products a highly scratch- and wear-resistant surface. Additionally, the topcoat protects from UV rays, improving the durability of the colour and gloss. Hunter Douglas has completely integrated the application of Luxacote® into the production process. The result: extremely durable products with slightly textured surfaces that manage potentially damaging outdoor conditions.

### A spectrum of strength: the colours of Luxacote®

The colours available to the Luxacote® system vary from traditional subtle shades to vivid, bold and exciting colour palettes.

A full range of metallic colours is also available.

# Light, Heat and Energy

## COMFORT AND ENERGY SAVING

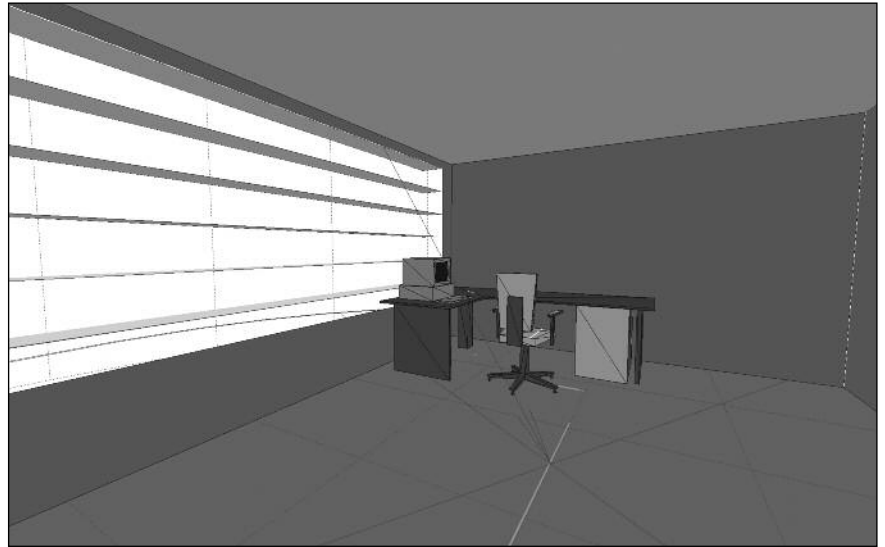
Using the right HunterDouglas® Sun Control system can greatly influence the thermal and visual indoor climate. Using the system intelligently both improves the overall comfort of a room, and minimises energy costs (lighting, heating and cooling installations).

By effectively reducing the amount of solar radiation entering the building with Sun Control systems, the amount of energy needed to cool the building is immediately decreased. Therefore, the capacity of the cooling equipment can be reduced, resulting in lower initial investments and operational costs.

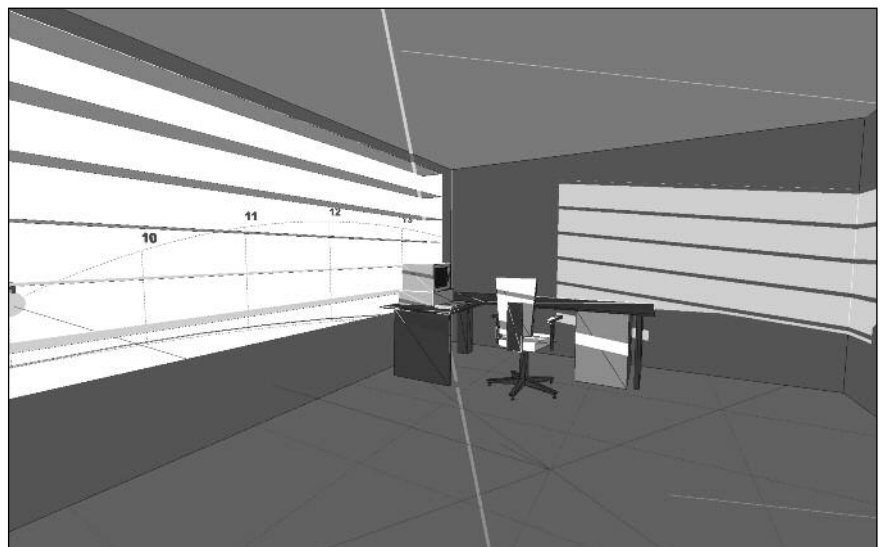
By either blocking, transmitting, or reflecting direct sunlight and daylight the HunterDouglas® Sun Control Systems make optimal use of this free source of light. By analysing the shading performance, optimal daylight levels are achieved and glare kept to a minimum, resulting in a healthy and productive working environment.

## LIGHT AND ENERGY TOOL

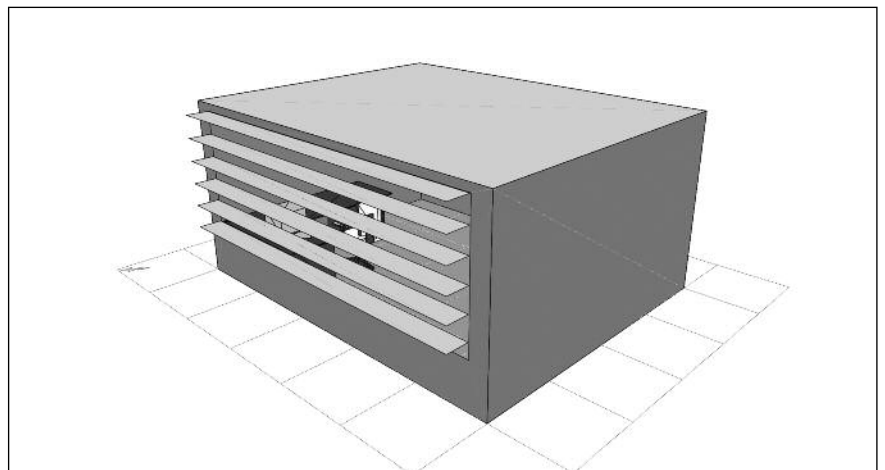
The Hunter Douglas engineers calculate optimal solar shading solutions using the Hunter Douglas Light and Energy tool. The tool can demonstrate the effects of a range of shading solutions for the building and its occupants. By analysing this data a complete solution can be developed to meet all the specified building performance criteria for a project. The results and recommendations from the Light and Energy Tool presented in a report can be added to the building specifications, ensuring that all criteria are fully met.



Internal view 12:00 AM, April 1st



Internal view 9:00 AM, December 1st



External view 9:00 AM, December 1st



## HUNTER DOUGLAS ARCHITECTURAL PROJECTS

For 50 years, Hunter Douglas has been dedicated to innovation. As the field of Sun Control grows, we pride ourselves on leading the way as pioneers in the area.

We're working alongside architects and designers throughout the globe, discovering new, inventive methods of managing heat, light and energy. We've committed ourselves to crafting products that meet the highest standards of materials, construction and performance because we believe that you need the right tools to create projects that inspire.



Promoting sustainable  
forest management  
[www.pefc.org](http://www.pefc.org)



*Hunter Douglas products and solutions are designed to improve indoor environmental quality and conserve energy, supporting built environments that are comfortable, healthy, productive, and sustainable.*



*Our paint and aluminium melting processes are considered to be one of the industry standards in terms of clean production processes. All aluminium products are 100% recyclable at the end of their lifecycle.*





**HunterDouglas**

SUN CONTROL

#### **ARCHITECTURAL SERVICES**

We support our business partners with a wide range of technical consulting and support services for architects, developers, and installers. We assist architects and developers with recommendations regarding materials, shapes and dimensions, colours and finishes. We also help creating design proposals, visualisations, and installation drawings. Our services to installers range from providing detailed installation drawings and instructions to training installers and advising on the building site.

## **Innovative Products Make Innovative Projects**



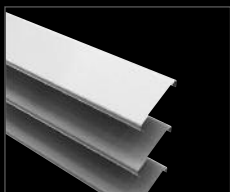
## **Learn More**

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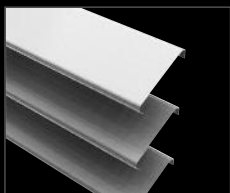
■ Contact our Sales Office

■ [www.hunterdouglascontract.com](http://www.hunterdouglascontract.com)

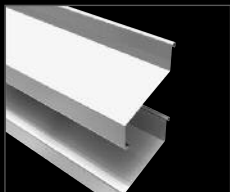
84R



100R



70S/132S



110HC



Shutters



Belgium  
Bulgaria  
Croatia / Slovenia  
Czechia  
Denmark  
France  
Germany  
Greece  
Hungary  
Italy  
The Netherlands  
Norway  
Poland  
Portugal  
Romania  
Russia  
Serbia  
Slovakia  
Spain  
Sweden  
Switzerland  
Turkey  
United Kingdom  
Africa  
Middle East

Asia  
Australia  
Latin America  
North America

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# HunterDouglas

WINDOW COVERINGS

CEILINGS

SUN CONTROL

FAÇADES