

Awnings

**helioscreen®**

# Relaxed indoor and outdoor living

As Australia's premier independently owned blind and awning manufacturer, Helioscreen knows what is required to provide the best possible intelligent sun control solution for our uniquely harsh environment. Awnings repel up to 90% of the sun's heat whilst also reflecting and absorbing harmful UV radiation.

Awnings are designed to control the entry of natural light. They increase the thermal comfort of the internal space with impressive heat gain reductions and increase visual comfort by reducing glare while maintaining views from the inside.

By installing a Helioscreen Sun Control System, the internal conditions of any room are improved. The demand on air conditioning systems are quickly reduced – saving energy and reducing greenhouse gas emissions.

## Control

At Helioscreen we utilise the latest technology automation, including fully integrated facade management systems that react automatically to the elements. Awnings can be operated simply with a wall switch, a touch panel, or using a remote control with optional sensors also available. Helioscreen awning systems are suitable in both commercial and domestic applications and come with quality and performance warranties.



## Fabric

Helioscreens acrylic awning fabrics are woven from 100% solution-dyed sunacryl acrylic.

The colour is locked right into the very core of the fibres during manufacture (in contrast to the traditional yarn-dyeing process whereby colours are applied to the finished yarn and remain on the surface). Dyed all the way through, this type of yarn ensures exceptionally long-lasting, ultra vivid colours.

Finished with a special treatment CLEANGARD®, the ultra-modern process for protecting outdoor fabrics called NPP (Nanotechnology Protection Process), is based on an extremely dense assembly of nano molecules which create a genuine barrier and prevent dirt from building up.



HELIOSHADE  
COLOUR DESIGN

*over 120 standard  
frame colours*



## Helioscreen® Strong arm The heart of the awning range

The Helioscreen range of awning arms are characterised by elegant, eye-catching design and convincing performance. All components have been developed to ensure smooth functioning and high durability, which have proven themselves in very demanding load tests. The use of high-quality aluminium profiles in combination with high-strength cast and drop-forged components stand for optimal safety even under extreme load. The specially developed Multiflex power band is made up of four tear-resistant steel cables sheathed in a highly flexible plastic material protecting against corrosion. It applies the force of spring movements in the arm sections and ensures proper tensioning of the awning, whilst still allowing flexibility during gusts of wind.



## Rubix cassette - Seamless integration for modern architecture

The latest addition to the Helioscreen collection, the Rubix Cassette awning offers a premium shading solution with a focus on clean lines to suit the finest architecture. Designed to integrate seamlessly, the Rubix Full Cassette offers a streamlined architectural finish along with full protection to the system and fabric when not in use. Utilising the highest quality materials available including chromatised aluminium, Dulux powdercoating finishes, high grade stainless steel screws, along with precision engineering and design down to the last detail, ensures long lasting durability and functionality for many years.

Tested and proven to well over 70,000 full cycles, the Multiflex 4-cable arm system is the strongest of it's kind on the market. With daily use this is more than a 200-year life span.

Ideally suited to our harsh Australian conditions, the arm system is optimised for long lasting tautness of the fabric under extended heavy use

### SPECIFICATION SYSTEM DETAIL

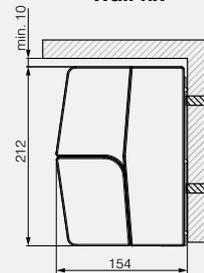
Max width	6,000mm
Max projection	3,500mm
Installation angle	5-40°
Standard operation	Motor (gear unit & hand crank possible)
Fabric colours	Over 150 fabric colours
Standard frame colours	Over 120 Dulux & custom powdercoat colours
Premium frame colours	Over 50 Dulux Duratec & Electro commercial

### THE CASSETTE

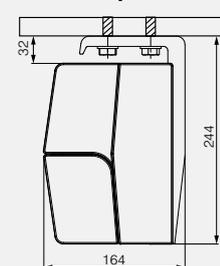
The slimline Rubix Cassette with colour matched end caps in cast aluminium offers the perfect protection from the elements all with a size of just 154x212mm.



#### Wall fix



#### Top fix



(All dimensions in mm)



## Cocoon Cassette - Minimalist design for contemporary architecture

When modern architecture calls for slim and compact the Cocoon Cassette awning offers the ideal shading solution.

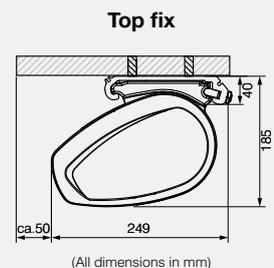
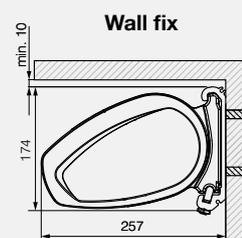
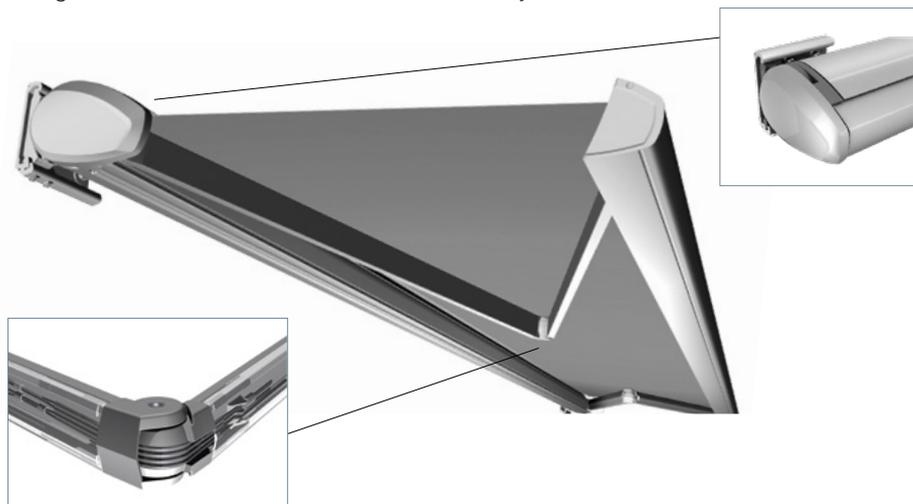
Designed for the minimalist, the Cocoon Full Cassette offers a slimline architectural finish along with full protection to the system and fabric when not in use. Utilising the highest quality materials available including chromatised aluminium, Dulux powdercoating finishes, high grade stainless steel screws, powercoated cast end caps, along with precision engineering and design down to the last detail, ensures long lasting durability and functionality for many years.

Tested and proven to well over 70,000 full cycles, the Multiflex 4-cable arm system is the strongest of it's kind on the market. With daily use this is more than a 200 year life span.

Ideally suited to our harsh Australian conditions, the arm system is optimised for long lasting tautness of the fabric under extended heavy use.

### SPECIFICATION SYSTEM DETAIL

Max width	5,500mm
Max projection	3,500mm
Installation angle	5-50°
Standard operation	Motor (gear unit & hand crank possible)
Fabric colours	Over 150 fabric colours
Standard frame colours	Over 120 Dulux & custom powdercoat colours
Premium frame colours	Over 50 Dulux Duratec & Electro commercial





## Cassette - The awning that meets the highest demands

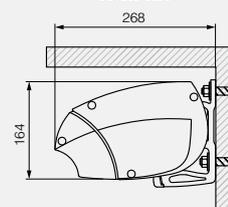
The Cassette is the superior model of the Helioshade® series from Helioscreen. Using innovative German technology and stylish Italian design, it perfectly protects the awning fabric and its working parts from the harsh Australian environment with a fully closing cassette. Top quality materials including chromatised aluminium and marine grade stainless steel screws, along with precision engineering down to the last detail ensure perfect functionality and durability. High strength extruded brackets guarantee a sound fixing, even on difficult facades. The Cassette can be fully automated with a motion and wind sensors.

### SPECIFICATION SYSTEM DETAIL

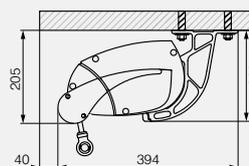
Max width	8,000mm
Max projection	4,000mm
Installation angle	5-40°
Standard operation	Motor (gear unit & hand crank possible)
Fabric colours	Over 150 fabric colours
Standard frame colours	Over 120 Dulux & custom powdercoat colours
Premium frame colours	Over 50 Dulux Duratec & Electro commercial



#### Wall fix



#### Top fix (with optional Vario-valance)



### THE CASSETTE

The slimline Rubix Cassette with colour matched end caps in cast aluminium offers the perfect protection from the elements all with a size of just 154x212mm.



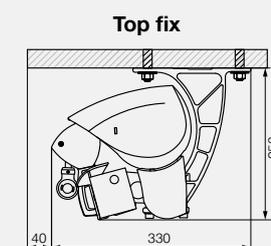
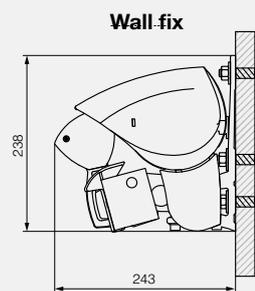


## Fabric Cassette - A custom-made intelligent sun control solution

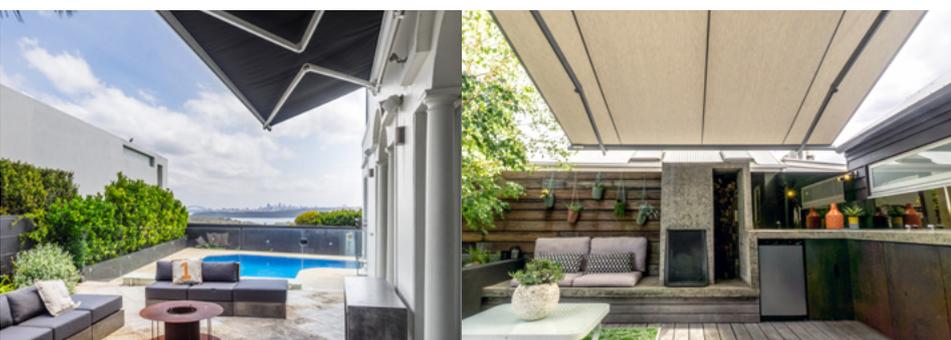
An elegant and compact fabric-cassette awning, the Fabric-Cassette offers the fabric and motor full protection from the elements with its unique adjustable angle cassette. The fabric-cassette is mounted via a integrated torque bar with numerous mounting options making the Fabric-Cassette a universal awning suitable for a large range of applications. With the Vario valance the Fabric-Cassette is optimally adaptable to any position of the sun. Thanks to the chromatising of all aluminium parts as well as screws and nuts made of marine grade stainless steel, the Fabric-Cassette awning is extremely resistant to corrosion. Extension of the awning is by means of a SOMFY motor which is backed by a 5 year warranty and also offers the option of automated sun, wind or rain sensors.

### SPECIFICATION SYSTEM DETAIL

Max width	7,000mm
Max projection	4,500mm (Only possible from 5 – 6.5m wide)
Installation angle	5-45°
Standard operation	Motor (gear unit & hand crank possible)
Fabric colours	Over 150 fabric colours
Standard frame colours	Over 120 Dulux & custom powdercoat colours
Premium frame colours	Over 50 Dulux Duratec & Electro commercial



(All dimensions in mm)



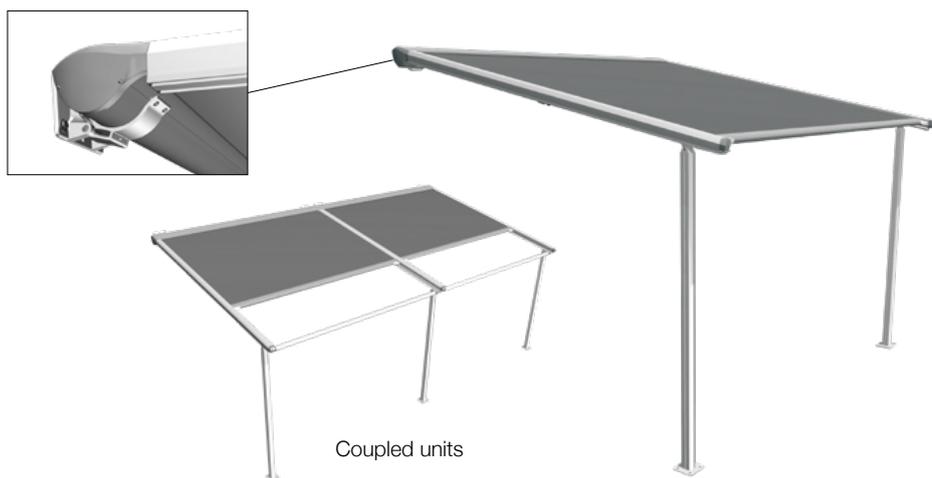


## Vario-Pergola - Self-supporting sunroof

Where there is not an existing pergola or other structure for shading courtyards, decks, and outdoor living areas, you can create an outdoor room with this clever sun control solution. The Vario-Pergola self-supporting sunroof adds a new dimension to the Helioscreen outdoor living range. The Vario-Pergola is suitable for a wide variety of applications and is more flexible than traditional conservatory or winter garden awning products. It can be installed using wall or ceiling brackets and doesn't require a traditional substructure, as it supports itself on 60x60mm square front posts.

Lightweight but robust, the Vario-Pergola is based on the popular Varioscreen® system and comes with in-built water gutters on the side channels allowing outdoor areas to be utilised in light rain.

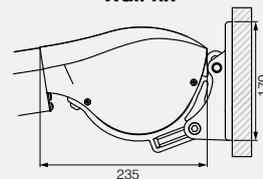
Available in Helio 92, Helio 86, or Helioshade 100 Fabric ranges, the Vario-Pergola is an attractive addition to any building and extends your outdoor living space – all year round.



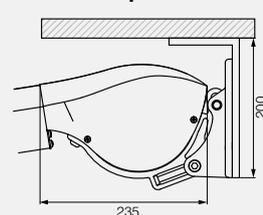
### SPECIFICATION SYSTEM DETAIL

Max width	6,000mm per unit
Max projection	6,000mm per unit
Max size	25sqm
Standard operation	Handheld remote / App
Fabric colours	Over 150 fabric colours
Standard frame colours	Over 120 Dulux & custom powdercoat colours
Premium frame colours	Over 50 Dulux Duratec & Electro commercial

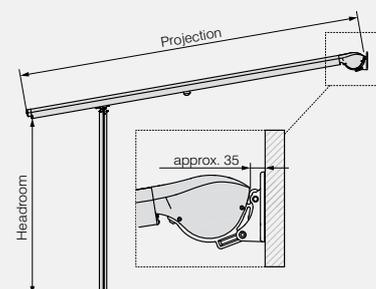
#### Wall fix



#### Top fix



(All dimensions in mm)





High quality parts and components from the best suppliers worldwide to exceed expectations



Made in Australia, proven in Australia with more than a quarter of century of feedback from Australians using our products.



Locally made premium systems with the best parts sourced worldwide.



Local support and product back up with stock on hand or repairs and service.



Extensive range of fabrics for the perfect intelligent sun control solution.



Automatic controls such as wind or rain sensors can be integrated for added piece of mind



5 Year warranty that has stood the test of time for more than 30 years in the market



Over 100 million Somfy motors sold worldwide



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