



markilux *Patio and Balcony Awnings*



Living in comfort. In comfort with a personal touch.
Quality that meets the highest demands. Discover the ideal model for you.
www.samsonawnings.co.uk

markilux
0800 328 6250

markilux products

Experience and knowledge by tradition – ideas and creativity for the future

Design features

markilux products are designed to be timeless. Trendy and classic lines united in the perfect products for your home. Reputable designers have created beauty in both the technological and the textile.

Innovation

markilux awnings did not get to where they are by chance. In each of our products you will find technical innovations crafted for a particular application. We try to anticipate the requirements of tomorrow and satisfy them today.

Dynamics

markilux developments are dynamic. We think well ahead as markilux customers should be able to enjoy our products for many years to come. Many of the ideas we have can be retro-fitted to already existing products. This makes our products very long lasting indeed.





Functionality

markilux technology is designed to last for a small eternity. The materials used meet the highest standards to ensure problem-free operation for many years.

Safety

Certified quality from a certified company; independent bodies audit us and document our commitment to quality. The inimitability of our manufacturing, textile production and awning construction within one single company leads to the creation of products that do not leave anything to be desired.

Service

markilux, dedicated to craftsmanship. markilux Specialist Dealers are experts when it comes to the sale and installation of awnings. We support these businesses with training and the transfer of know how.

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markilux Cassette Awnings

In a cassette awning the cover and the complete arm mechanism (except for markilux ES-1 with cover cassette) are in a fully encompassing cassette when retracted. Therefore wind, weather and dirt do not effect your markilux. It remains as attractive as on its very first day.

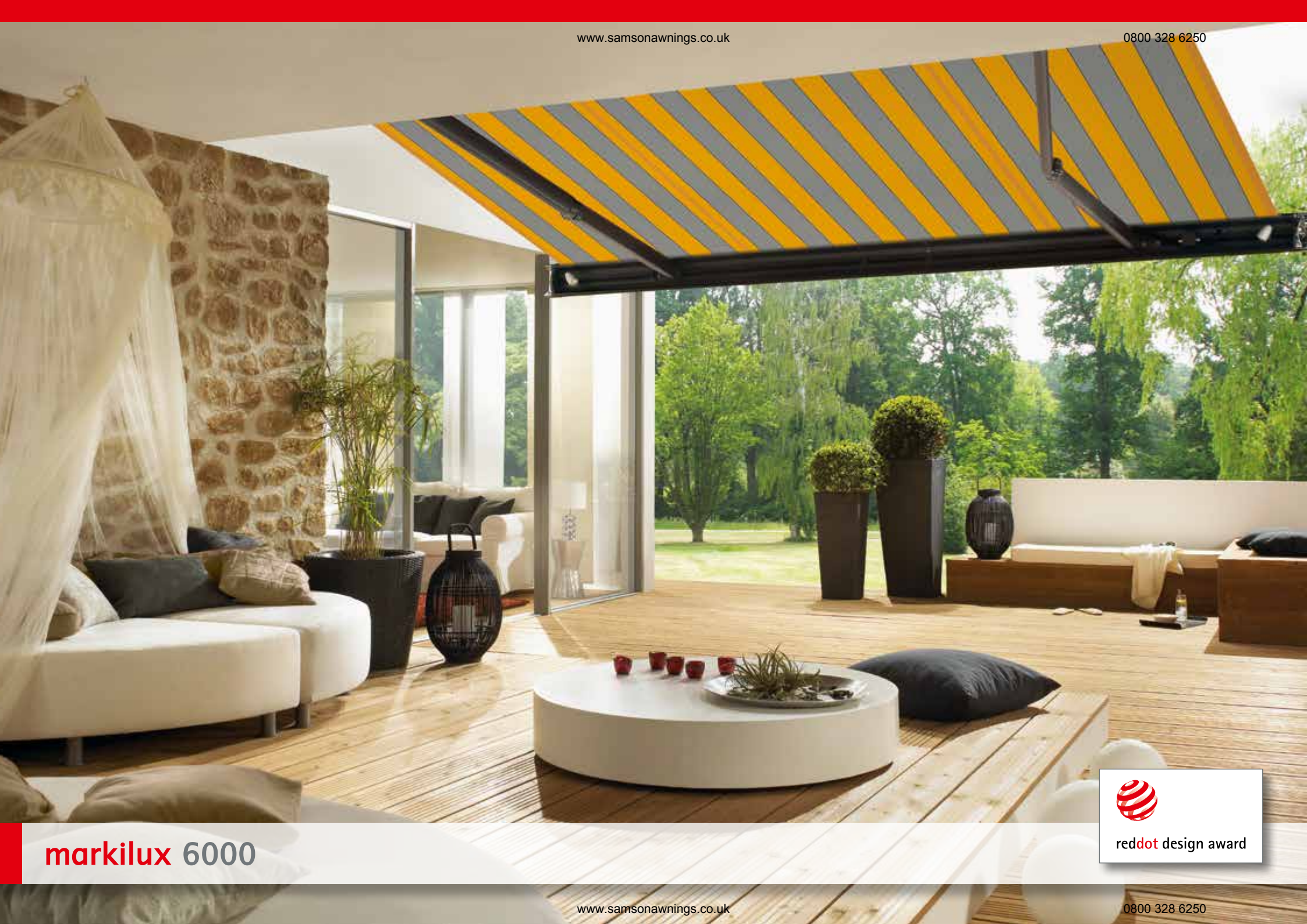
A cassette awning is the right choice, especially if you require maximum protection for your cherished awning – needless to mention the modern design – like our markilux 6000. With its three design variations Club, Studio and Lounge it is perfectly adapted to different types of houses. Thanks to its outstanding product design it received the reddot design award.

However our other models also leave nothing to be desired: compact, small and functional, the markilux 990 impresses with its modern design. As much so as the elegant and especially robust markilux 5010.

A popular awning for commercial applications is the robust markilux 3300. Our masterpiece made from brushed, marine grade stainless steel is the markilux ES1. It impresses with its fine material and elegant lines and contours.



markilux



markilux 6000



reddot design award

markilux 6000 // The markilux in the three style lines: Club, Studio and Lounge

Design and technology

The markilux 6000 is the markilux of innovation, with many good ideas and new technologies. Simply the best horse from the markilux stables.

The markilux 6000 is a cassette awning with futuristic connection technology at the elbow joints of the awning arms – the so-called bionic tendon.

The innovative bionic tendon, developed by markilux and drawing inspiration from nature to create a friction-free and virtually noiseless folding of the arms. This makes the technology in

your markilux even more robust and even more durable (achieving at least 50,000 cycles during tests by the Fraunhofer Institute). A shadeplus is available as an option (also motor powered).

Beside the unique and individual customisation possibilities, the markilux 6000 Lounge offers another unique feature. In the Lounge Style Line the frame colours off-white textured finish, stone grey metallic, anthracite metallic and Havana brown textured finish are available.

Choice of fabrics

All fabrics from the current markilux collection made from sunvas snc and sunsilk snc including the exclusive fabric series visutex are available.

Dimensions

The markilux 6000 is available up to a maximum width of 700 cm. The maximum projection at that width is 400 cm.

Operation

Manual operation by means of a stainless steel winding handle, optionally with a hard-wired electric motor or a radio-controlled motor with markilux remote control.

Optional accessories, frame colours and technical details from page 44 onwards.



markilux infra-red heater: cosy warmth when it starts to get cooler. Feel the pleasant warmth immediately and enjoy the evening even longer.



optimum power transference by way of the markilux bionic tendon made of high-tech fibres.



stylish markilux spots from the design studio, in an aluminium housing, anodised silver in colour. The halogen spotlights in the front profile are directionally adjustable



the three style lines Club, Studio and Lounge offer individual design possibilities. **Overview of possible colour and finish combinations: Please turn over.**



Shadeplus: The awning within an awning. Simply block out blinding sunlight or inquisitive glances.

**markilux** 6000 Club

traffic white (RAL 9016)



Frame colour

traffic white RAL 9016

End cap trim colours

traffic white RAL 9016

signal blue RAL 5005

signal yellow RAL 1003

ruby red RAL 3003

End cap insert colour

traffic white RAL 9016

**markilux** 6000 Studio

metallic aluminium (RAL 9006)



Frame colour

metallic aluminium RAL 9006

End cap trim colour

polished chrome

metallic aluminium RAL 9006

End cap insert colours

Light green

Light blue

Orange

Red

metallic aluminium RAL 9006

markilux 6000 Lounge**anthracite metallic****Havana brown textured finish****stone grey metallic****off-white textured finish****more examples****Frame colours**

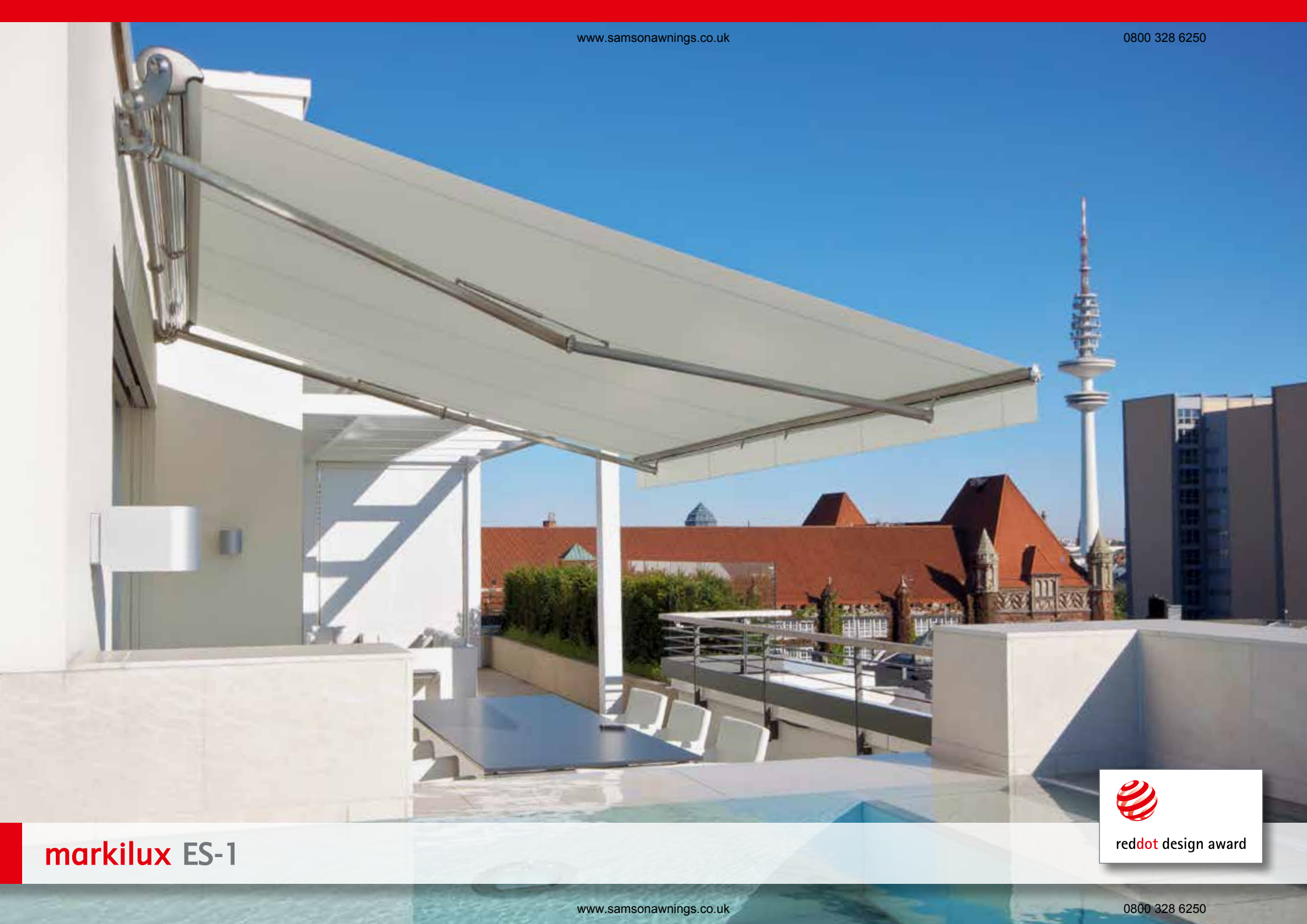
	off-white textured finish 5233
	stone grey metallic 5215
	anthracite metallic 5204
	Havana brown textured finish 5229

End cap trim colours

	off-white textured finish 5233
	stone grey metallic 5215
	anthracite metallic 5204
	Havana brown textured finish 5229
	polished chrome
	black chrome

End cap insert colours

	off-white textured finish 5233
	stone grey metallic 5215
	anthracite metallic 5204
	Havana brown textured finish 5229
	wood effect
	stainless steel mesh



markilux ES-1



reddot design award

markilux ES-1 // The design awning made of stainless steel

Design and technology

The elegant, strong gas piston-tensioned arms ensure particularly good cover tautness – even when the awning is only partially extended. Despite its delicate appearance, the fabric roller has a diameter of 95 mm and the front profile and torque bar are extremely resistant to twist. The ES-1 is a cover cassette awning; a stainless steel cassette protects both the cover and the fabric roller.

The fine material and the elegant lines leave you fascinated. The attractively shaped end caps can be ordered in stainless steel, copper or brass. The valance is supplied as standard.

The arms and hinged joints, all screws and design elements are completely made of marine grade stainless steel. This material is largely resistant to aggressive environmental influences.

Choice of fabrics

All fabrics from the current markilux collection made from sunvas snc and sunsilk snc including the exclusive fabric series visutex are available.

Dimensions

The markilux ES-1 is available up to a maximum width of 650 cm at a projection of 300 cm and up to a width of 600 cm at its maximum projection of 350 cm.

Operation

It comes as standard with a radio-controlled motor and markilux remote control operation.



convincing model design, optionally with end cap design features in stainless steel, copper or brass



Largely resistant to aggressive environmental influences thanks to manufacture from brushed marine grade stainless steel.



Optional accessories, frame colours and technical details from page 46 onwards.



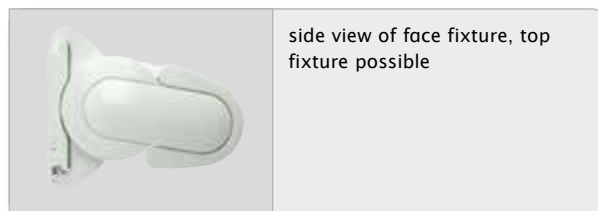
markilux 990

markilux 990 // The perfect accessory for your house

Design and technology

The compact, torque bar-free and slim full cassette awning has been given a dynamic face-lift that was created in conjunction with an experienced design studio. The u-shaped front profile elegantly encompasses both folding arms and the roller tube lending the awning a completely new look.

With an overall height of just less than 13 cm this awning can be offered whenever there is little room for installation and a designer awning is called for. The construction without torque bar saves space and weight.



markilux 990 Lounge

The markilux 990 is available in the powder coating colours off-white textured finish, stone grey metallic, Havana brown textured finish and anthracite metallic in the Lounge Style Line. The end caps of the cassette in polished chrome – along with the timeless, exclusive appearance of the Lounge frame colours – lend the awning a unique touch.



Choice of fabrics

All fabrics from the markilux collection made from sunvas snc and sunsilk snc including the exclusive visutex fabric series. A valance is available as an option.

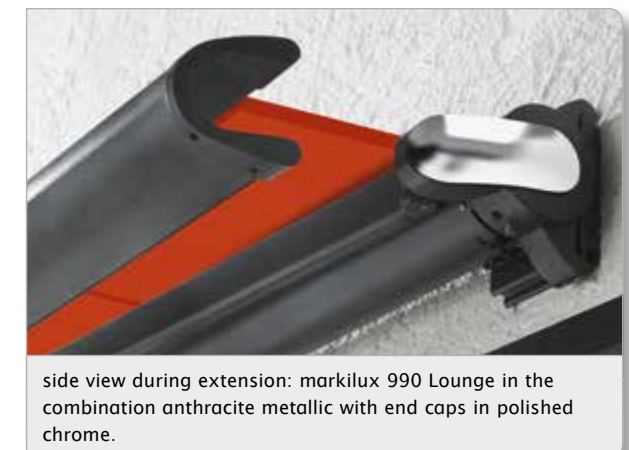
Dimensions

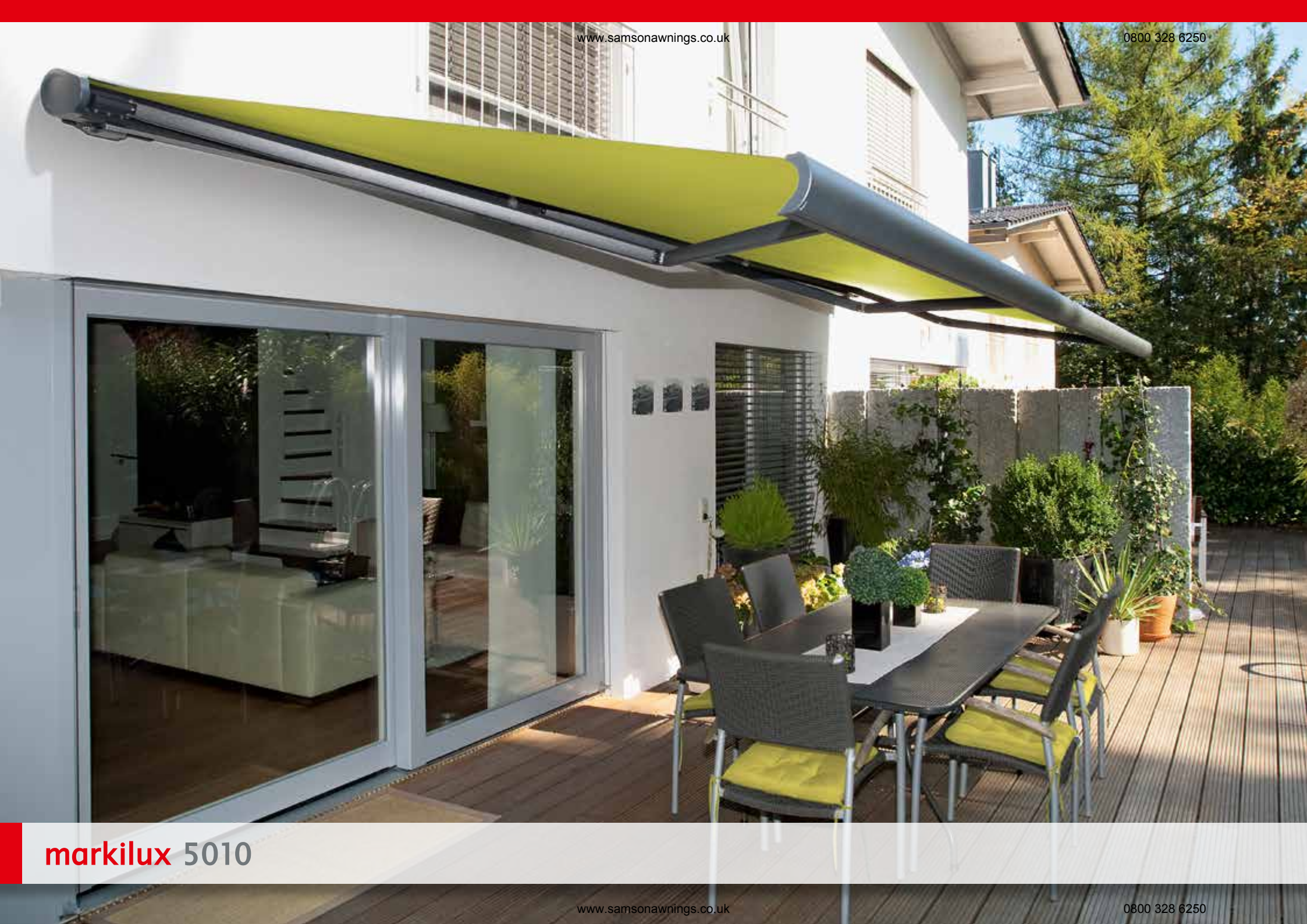
The markilux 990 is available up to a maximum width of 500 cm. The maximum projection is 300 cm.

Operation

Manual operation by means of a stainless steel winding handle. On request a hard-wired electric motor or a radio-controlled motor with markilux remote control operation can be fitted.

Optional accessories, frame colours and technical details from page 46 onwards.





markilux 5010

markilux 5010 // The cassette awning – slim, strong and simply stylish

Design and technology

The new design has shown itself to be modern and exclusive - from the cassette right through to the fixture brackets. The shape of the cassette is clear, classically modern and without superfluous decoration and it is assimilated harmoniously into the equally new appearance of the fixture brackets.

The strong folding arms with different upper and lower arm lengths give the awning great stability and the cover superb tautness when the awning is fully extended. All screws and basic components are made of corrosion-resistant stainless steel.



side view of face fixture, top fixture possible



optionally a wall sealing profile can be added



corrosion-resistant and technically proven; twin steel-link chains at the elbow joints

markilux 5010 Lounge

The markilux 5010 is available in the powder coating colours off-white textured finish, stone grey metallic, Havana brown textured finish and anthracite metallic in the Lounge Style Line. The end caps of the front profile in polished chrome – along with the timeless, exclusive appearance of the Lounge frame colours – lend the awning a unique touch.



optionally at a surcharge markilux bionic tendon made of high-tech fibres for ideal power transference

Choice of fabrics

All fabrics from the markilux collection made from sunvas snc and sunsilk snc including the exclusive visutex fabric series. Shadeplus is available as an option.

Dimensions

The markilux 5010 is available with a maximum width of 700 cm. The maximum projection is 400 cm.

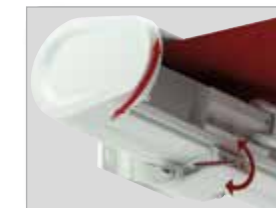
Operation

Manual operation by means of a stainless steel winding handle. On request a hard-wired electric motor or a radio-controlled motor with markilux remote control operation can be fitted.

Optional accessories, frame colours and technical details from page 46 onwards.



shadeplus (optional) during extension



pitch adjustment via the fixture brackets



markilux 3300 / 3300 pur

markilux 3300 / 3300 pur // The markilux with a tight fit to the wall

Design and technology

The robust cassette design and the tight seal to the wall make the markilux 3300 a popular awning for commercial applications. The double gutter allows water to run off to the side both when the awning is open and when it is closed.

The awning is delivered pre-assembled. All screws and assembly components are made of corrosion-resistant stainless steel, the arms run in Teflon-coated bushes. The roller tube has a diameter of 85 mm.

markilux 3300 pur

The alternative with straight front profile.



side view with awning closed, face fixture



gutter with lateral water spout



tilt device with wind safety mechanism

Choice of fabrics

All fabrics from the markilux collection made from sunvas snc and sunsilk snc including the exclusive visutex fabric series. A valance is available as an option.

Dimensions

The markilux 3300 is available with a maximum width of 700 cm. The maximum projection is 350 cm.

Operation

Manual operation by means of a stainless steel winding handle. On request a hard-wired electric motor or a radio-controlled motor with markilux remote control operation can be fitted.

Optional accessories, frame colours and technical details from page 46 onwards.



to protect them from corrosion, the strong double steel-link chains are recessed into the elbow joints of the folding arms



larger units are fitted with a rolltex bearing to prevent deflection of the roller tube



the windlock mechanism prevents the awning from lifting up at the front in windy conditions.



side view of face fixture



side view of top fixture



all-round awning protection when closed



markilux 1710 / 1710 stretch

markilux 1710 / 1710 stretch // Chic, modern, closed – the cassette with a flawless design

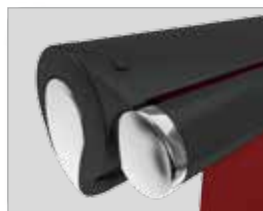
Design and technology

The elegant, teardrop-shaped cassette made of extruded aluminium encompasses the roller tube even when the awning is extended and thus ensures an harmonious appearance. Homogeneous transition from the round torque bar to the round roller tube. When retracted the cover is completely protected from the vagaries of the weather. The 85 mm strong roller tube ensures the highest rigidity and the best possible winding characteristics of the awning fabric.

The unique arm technology with power transference using the highly tear-resistant bionic tendon made of high-tech fibres achieved at least 50,000 cycles during tests by the Fraunhofer Institute. The attractive front profile with integrated gutter ensures water drainage to the sides.



side view of face fixture



awning retracted.
View from top



elegant front profile with gutter
at the side



markilux bionic tendon made
from high-tech fibres for
ideal power transference – as
standard

Choice of fabrics

All fabrics from the current markilux collection made from sunvas snc and sunsilk snc including the exclusive fabric series visutex are available. A detachable valance comes as standard.

Dimensions

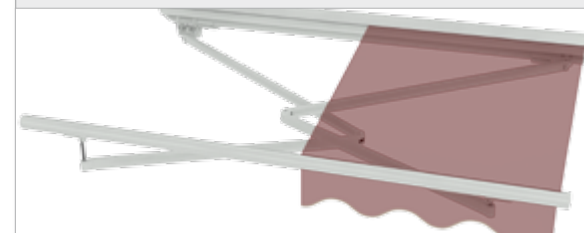
The markilux 1710 is available with a maximum width of 700 cm. The maximum projection is 350 cm.

Operation

Manual operation by means of a stainless steel winding handle, optionally with electric motor or a radio-controlled motor with markilux remote control.

markilux 1710 stretch

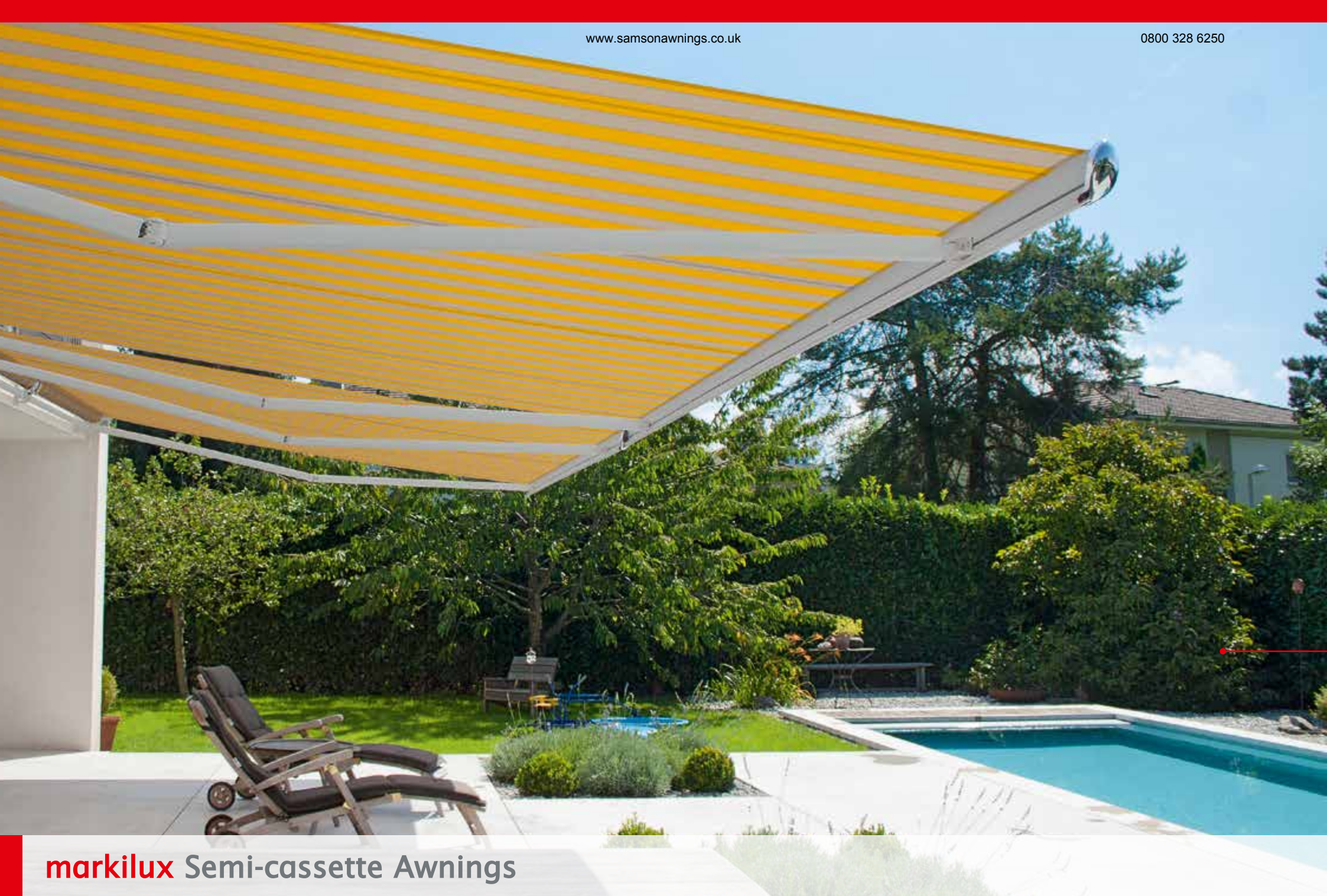
greater projection than width: the perfect solution for narrow patios, niches and balconies



arms cross above one another during extension



tiered folding arm fitted to the
sturdy secondary torque bar



markilux Semi-cassette Awnings

Semi-cassette awnings are an award-winning development by markilux. The cassette is open underneath and therefore suitable for installations that do not require the all round protection of a cassette.

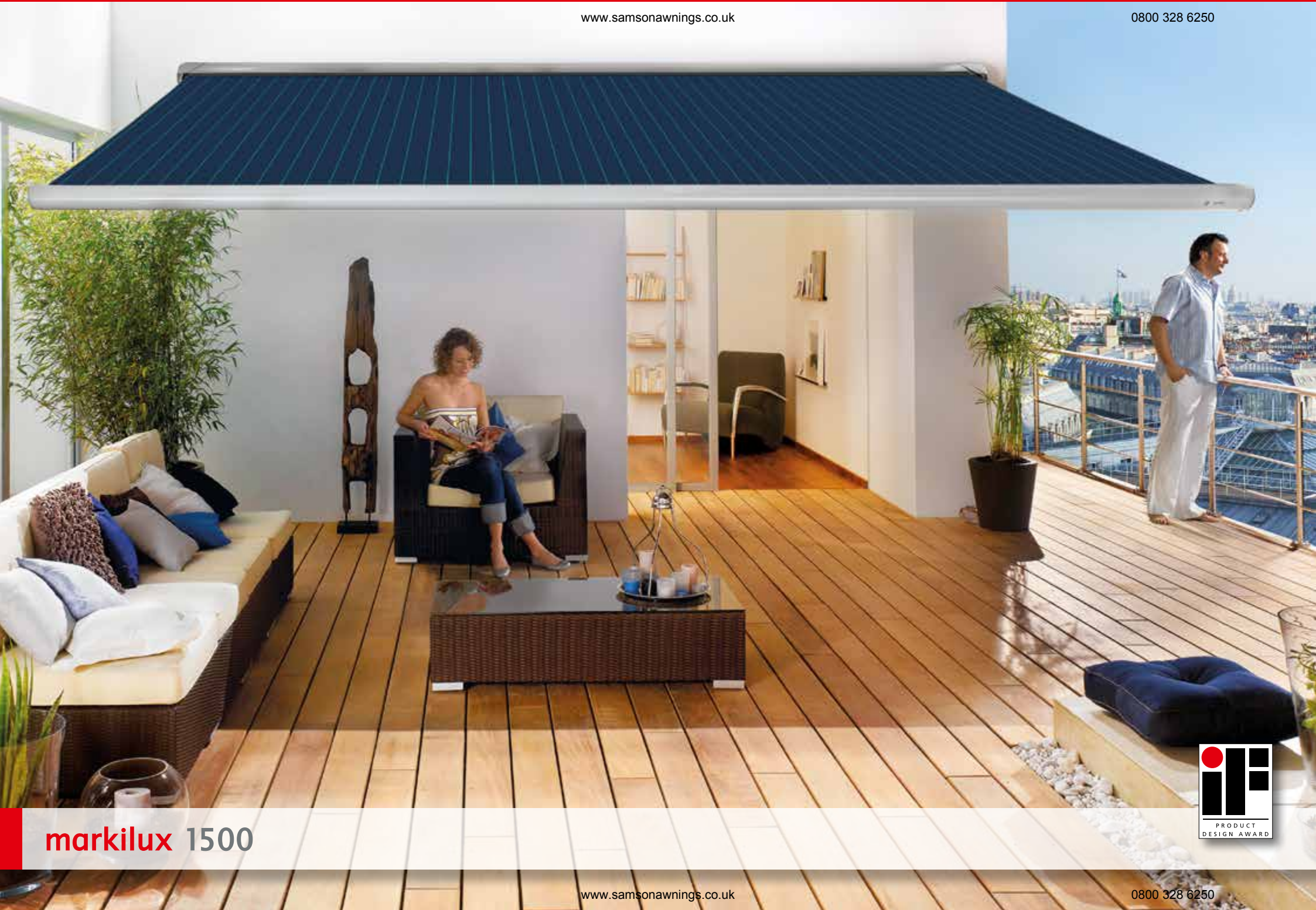
Smart details give this awning type stylish touches, like end caps in different colours or the modern colour and material combinations of the Lounge Style Line. These polished chrome components are available for all markilux semi-cassette models. Integrated halogen lighting in

the markilux 1650 or the stretch version of the markilux 1600 for narrow patios, alcoves and balconies are an indication of the many well thought out, practical uses on offer.

The markilux 1600 pavilion 2 will make your favourite outdoor spot rainproof. Simply raise the centre into an apex and watch the water run off.



markilux



markilux 1500



markilux 1500 // Certainly special – and not just technically speaking – semi-cassette with gas pistons

Design and technology

The ovoid gas piston-tensioned arms give particularly good cover tautness. The round 50 mm torque bar is extremely resistant to twist and deflection, the roller tube is 85 mm in diameter.

The successful shape of the markilux 1500 led to it winning the **iF Product Design Award**.

The coverboard is fitted with a brush which removes the worst dirt and debris as the awning is being retracted. The coverboard adapts itself to the pitch of the awning automatically thanks to a unique and patented mechanism so that there is no gap between coverboard and front profile. A wall sealing profile is an optional extra (v. diagram of the markilux pavilion 2).

Lounge colours for semi-cassette awnings

The stylish colour and material combinations of the Lounge Style Line lend this semi-cassette awning its own individual touch. All markilux semi-cassette awnings in the Lounge Style Line are available in these powder-coated finishes.

An overview of the colour and material combinations in the Lounge style line for the models markilux 1500, 1600, 1650 and 1600 pavilion 2 can be found on page 31.



Havana brown textured finish at a surcharge

Choice of fabrics

All fabrics from the current markilux collection made from sunvas snc and sunsilk snc including the exclusive fabric series visutex are available. If required a valance and/or a shadeplus (manual or electric) can be fitted.

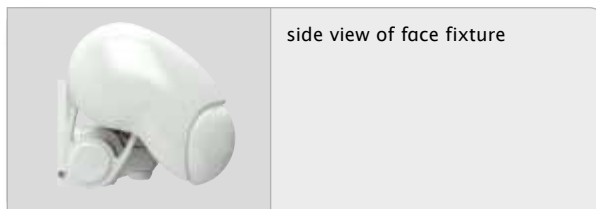
Dimensions

The markilux 1500 is available up to a maximum width of 660 cm at a projection of 300 cm and up to a width of 610 cm at its maximum projection of 350 cm. Units with larger widths are fitted with an additional rolltex bearing to prevent deflection of the roller tube.

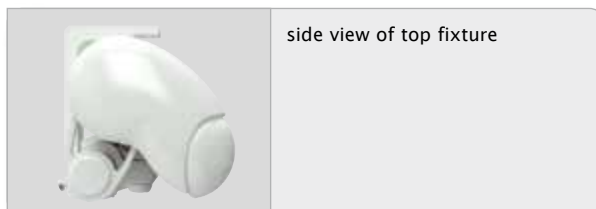
Operation

Manual operation by means of a stainless steel winding handle, optionally with a hard-wired electric motor or a radio-controlled motor with markilux remote control.

Optional accessories, frame colours and technical details from page 46 onwards.



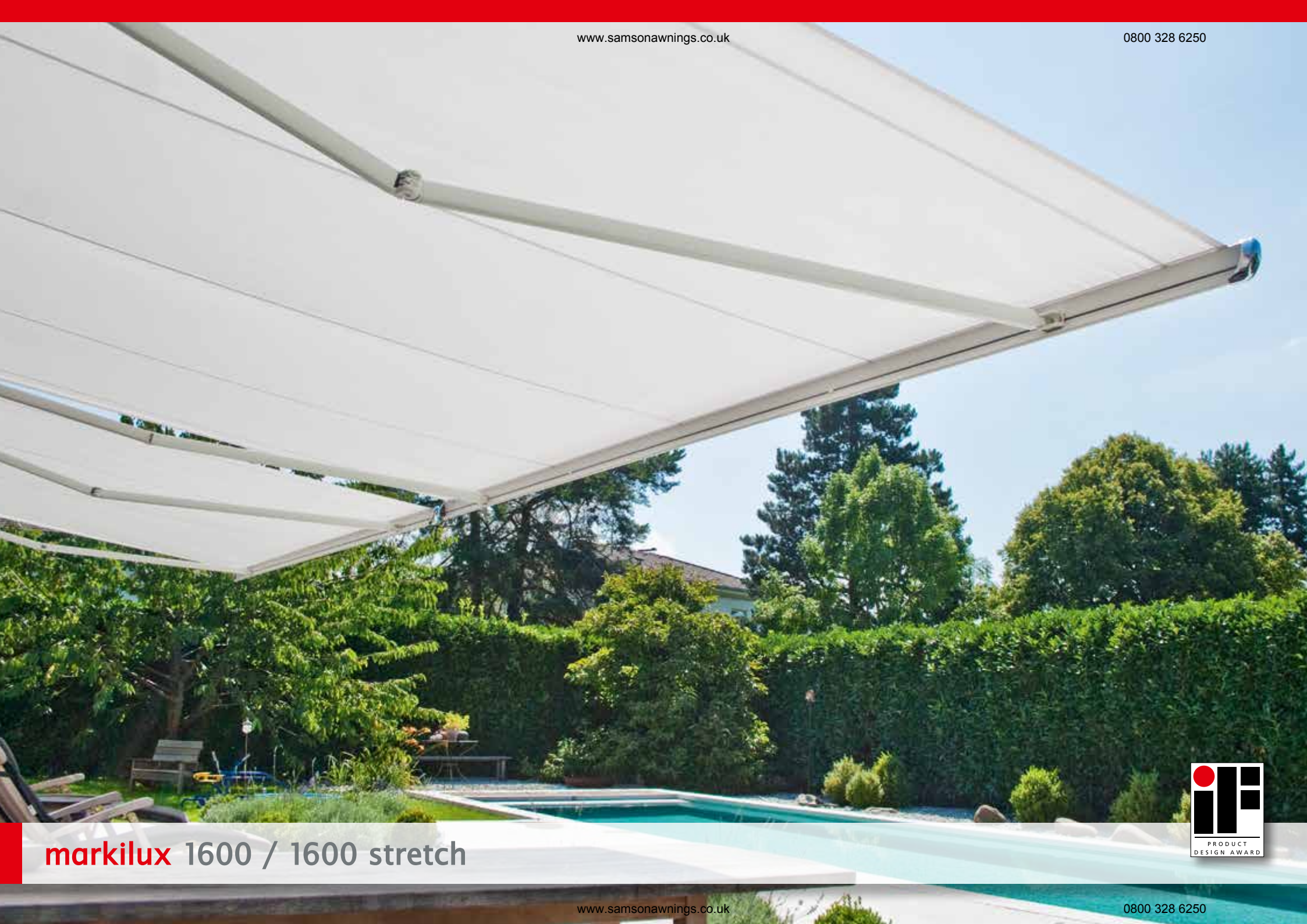
side view of face fixture



side view of top fixture



the gas piston-tensioned arms ensure reliable and simple operation



markilux 1600 / 1600 stretch



markilux 1600/1600 stretch // The markilux with up to 400 cm extension. Excellent design and well-thought-out mechanics

Design and technology

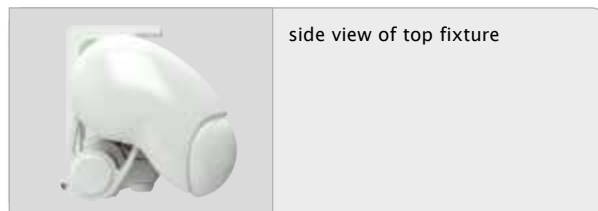
The powerful arms ensure a taut cover. The round 50 mm torque bar is extremely resistant to twist and deflection, the roller tube is 85 mm in diameter. The markilux 1600 has a double steel-link chain. If required a wall-sealing profile can be fitted. (v. illustration of the markilux pavilion 2)

The successful shape of the markilux 1600 led to it winning the **IF Products Design Award**. The elegant aluminium front profile closes harmoniously into the attractive, strikingly shaped coverboard of this semi-cassette awning.

The coverboard is fitted with a brush which removes the worst dirt and debris as the awning is being retracted. The coverboard adapts itself to the pitch of the awning automatically thanks to a unique and patented mechanism so that there is no gap between coverboard and front profile.



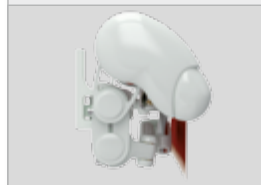
side view of face fixture



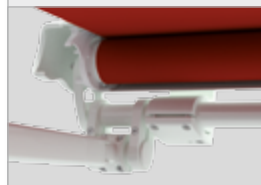
side view of top fixture

markilux 1600 stretch

Greater projection than width: the perfect solution for narrow patios, niches and balconies.



side view with awning closed, face fixture



tiered folding arm fitted to the sturdy, secondary torque bar



arm fixture to the front profile, right



arm fixture to the front profile, left



arm fixture to the torque bar

Choice of fabrics

All fabrics from the markilux collection made from sunvas snc and sunsilk snc including the exclusive visutex fabric series. A valance (included in the stretch version) and/or shadeplus (manual or electric) are available as options.

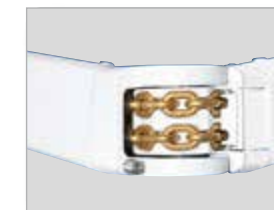
Dimensions

The markilux 1600 is available up to a maximum width of 710 cm (stretch: 410 cm). The maximum projection is 400 cm in each case. Larger units are fitted with a rolltex bearing to prevent deflection of the roller tube.

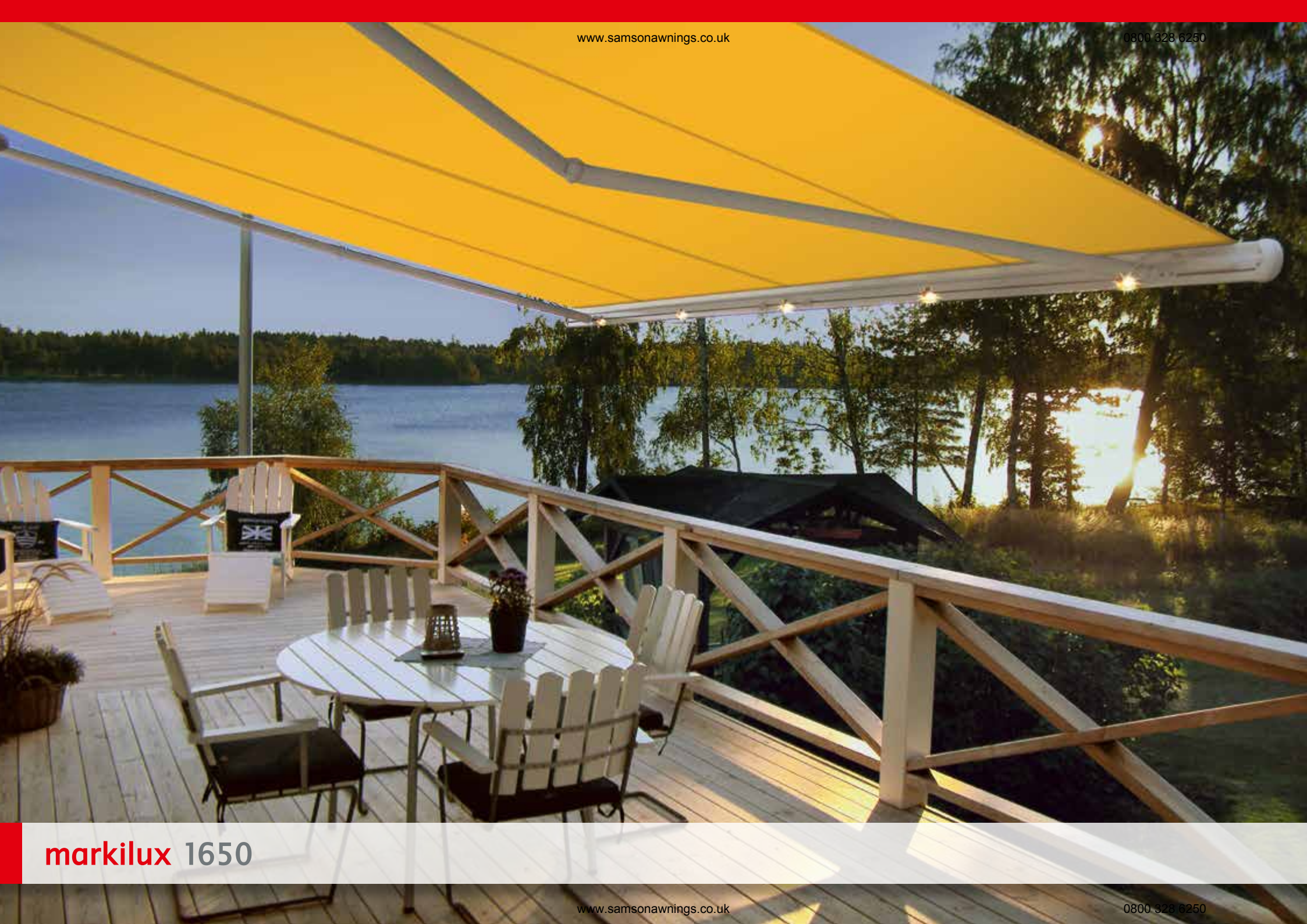
Operation

Manual operation by means of a stainless steel winding handle. On request a hard-wired electric motor or a radio-controlled motor with markilux remote control operation can be fitted.

Optional accessories, frame colours and technical details from page 46 onwards.



to protect them from corrosion the strong double steel-link chains are recessed into the elbow joints of the folding arms



markilux 1650

markilux 1650 // Enjoy more of the evening – with integrated halogen spotlights

Design and technology

The markilux 1650 corresponds to the markilux 1600 (folding arms with double steel-link chains). The model, however, has integrated halogen spotlights in the front profile.



front profile with integrated halogen light sources – adjustable vertically through 90°

Choice of fabrics

All fabrics from the current markilux collection made from sunvas snc and sunsilk snc including the exclusive fabric series visutex are available.

Dimensions

The 1650 is available with a maximum width of 710 cm and a maximum extension of 400 cm. Units with larger widths are fitted with an additional rolltex bearing to prevent deflection of the roller tube.

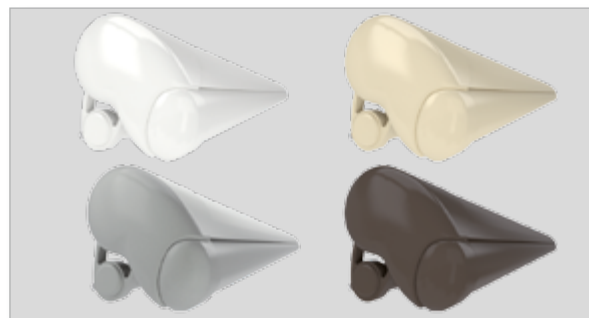
Operation

Manual operation by means of a stainless steel winding handle. On request a hard-wired electric motor or a radio-controlled motor with markilux remote control operation can be fitted.

Optional accessories, frame colours and technical details from page 46 onwards.

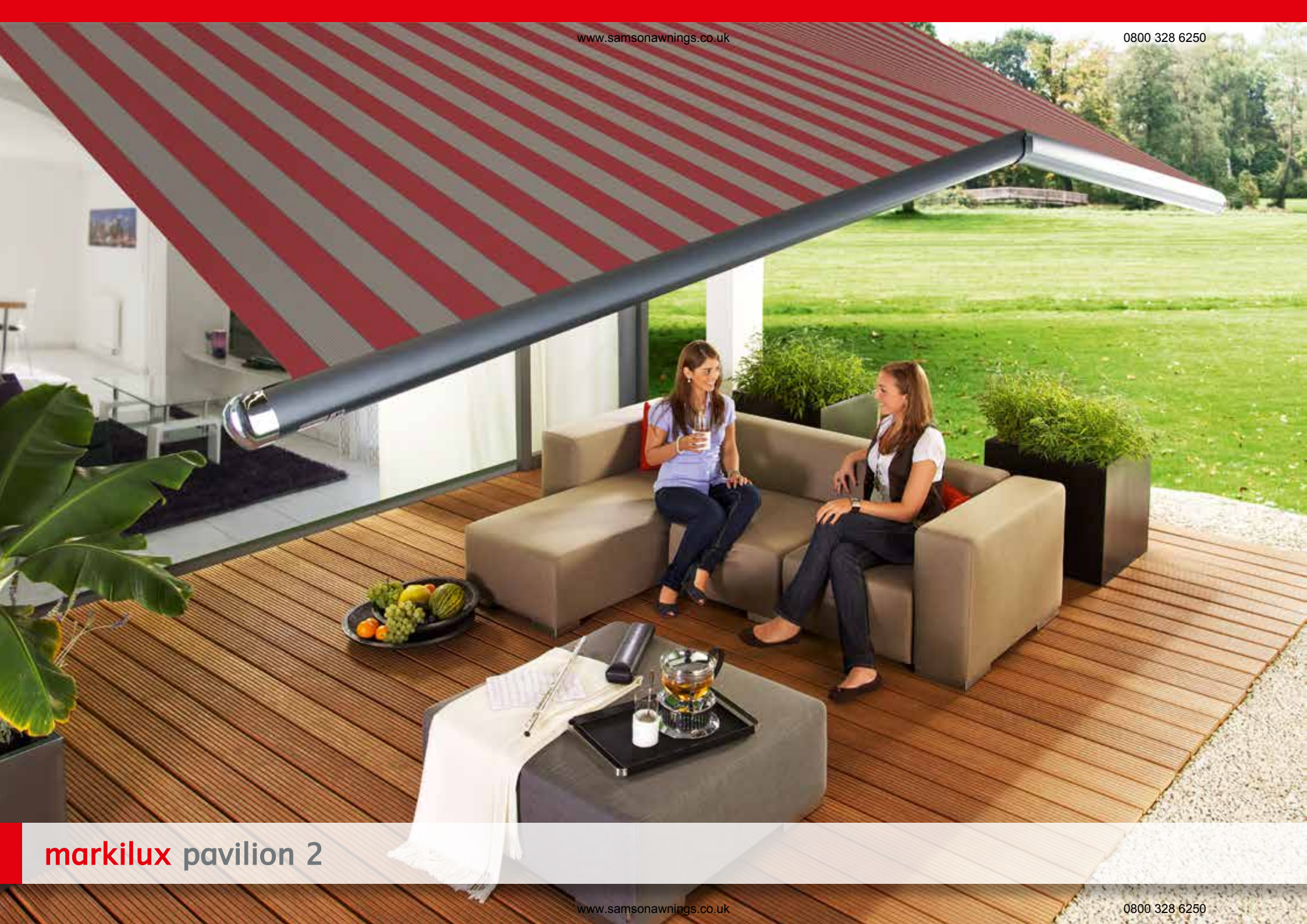


the stylish colour and material combinations of the Lounge style line give this semi-cassette awning its own individual touch. An overview of colour and material combination can be found on page 31



all markilux semi-cassette awnings are available in various colour combinations of end caps and frame colours. An overview of the colour combinations available can be found on page 31





markilux pavilion 2

markilux 1600 pavilion 2 // The rainproof markilux; The first awning that allows the centre to be raised into an apex

Design and technology

This unique product in the awning market is – apart from the central raising mechanism – the same as the markilux 1600 from the point of view of its design.

The front profile of the markilux 1600 pavilion 2 is fitted with a hinge mechanism that enables it to be raised into an apex position with ease: a perfect solution that provides flexible shading from the sun and perfect water drainage – even if the pitch of the awning is set at 0°.

As the pavilion 2 offers more headroom in the centre when raised, it is a viable alternative when the fitting height is limited or when a big projection is required.



the ideal solution providing flexible shading from the sun and perfect water drainage



to protect them from corrosion the strong double steel-link chains are recessed into the elbow joints of the folding arms

Choice of fabrics

All fabrics from the current markilux collection made from sunvas snc and sunsilk snc including the exclusive fabric series visutex are available.

Dimensions

The markilux 1600 pavilion 2 is available up to a maximum width of 660 cm at a projection of 300 cm and up to a width of 610 cm at its maximum projection of 350 cm. Units with larger widths are fitted with an additional rolltex bearing to prevent deflection of the roller tube.

Operation

Manual operation by means of a stainless steel winding handle. On request a hard-wired electric motor or a radio-controlled motor with markilux remote control operation can be fitted.

Optional accessories, frame colours and technical details from page 46 onwards.



optionally a wall sealing profile can be added



the stylish colour and material combinations of the Lounge style line give this semi-cassette awning its own individual touch. An overview of the colour combinations available can be found on page 31

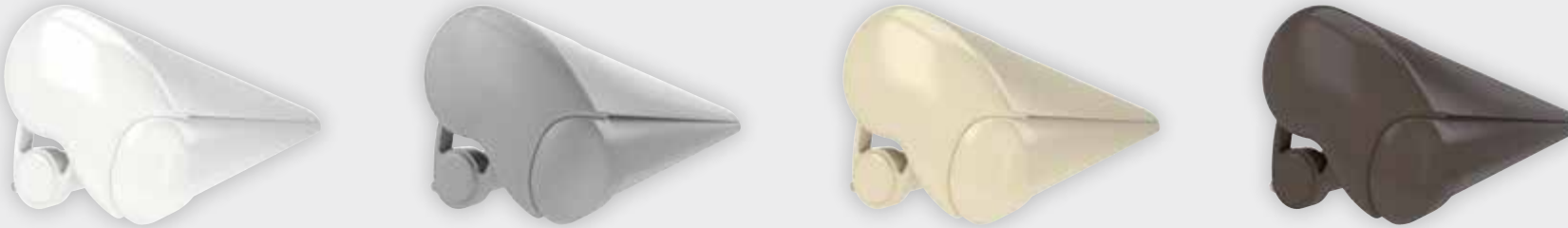






markilux 1600

markilux Semi-cassette Awnings – Lounge and Frame Colours

frame colours for markilux semi-cassette awnings

All markilux semi-cassette awnings are available in various colour combinations of both end caps and frame colours, which are depicted here by way of example.






Frame and end cap colours	
	traffic white RAL 9016
	metallic aluminium RAL 9006
	light ivory RAL 1015
	grey brown RAL 8019

Lounge colours for markilux semi-cassette awnings // material and colour – what a pair they make!

The noble combinations of colour and material in the Lounge Style Line lend the semi-cassette awnings markilux 1500, 1600, 1650 and 1600 pavilion 2 their own highly individual touch.



Frame colours	
	off-white textured finish 5233
	stone grey metallic 5215
	anthracite metallic 5204

End cap colours	
	off-white textured finish 5233
	stone grey metallic 5215
	anthracite metallic 5204
	polished chrome Colour combination 15



markilux Open Awning Systems

An open style awning does entirely without a cassette. The mechanics and roller tube are perfectly visible. Therefore, this awning type is particularly suited for installations such as reveals or large roof overhangs, which assist in protecting the awning.

The current, colourful and easily cared for generation of fabrics as well as the use of high-class materials means that all round protection by means of a cassette is no longer mandatory. Especially the markilux 930 swing with its modern and functional design, brings verve and style to your balcony or patio.

On demand all markilux open style awnings can be combined with a graceful and elegant coverboard, the markilux system coverboard. Many additional models and accessories – amongst others, for example, the two stretch models which give the option of greater projection than width – make open style awnings an ideal shading solution which can be tailored to any requirements and any budget.



markilux



markilux 930 swing



reddot design award

markilux 930 swing // The designer awning with unique pivoting mechanism

Design and technology

It is small, elegant and extremely delicate thanks to its torque bar-free construction. An awning for more style and atmosphere.

The markilux 930 swing is above all suited for installation under overhanging roofs, where additional protection of the cover and mechanics is not required. An intelligent pivoting mechanism lends it a particularly compact and flat appearance when closed.

During the extension process the awning remains horizontal at first and then pivots into the pre-set pitch. The adjustment bolts in the brackets can be used to change the pitch from 5° to 80°.

The windlock mechanism prevents the awning from lifting up in windy conditions. The joints in the upper arm lock the lateral profiles and release them again only on retraction.

The tubular, closed front profile ensures sufficient stability and a smooth appearance. Folding arms with improved power transference ensure good cover tension. The awning is suited both for top and face fixture. In the case of face fixture it could be combined with an additional coverboard, for example the new markilux system coverboard.

Choice of fabrics

All fabrics from the current markilux collection made from sunvas snc and sunsilk snc including the exclusive fabric series visutex are available. A valance is supplied as standard.

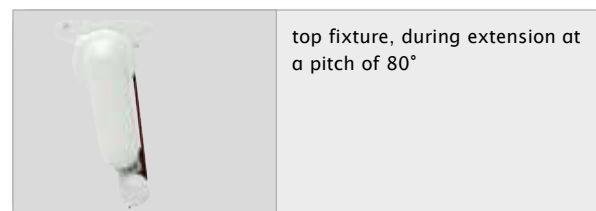
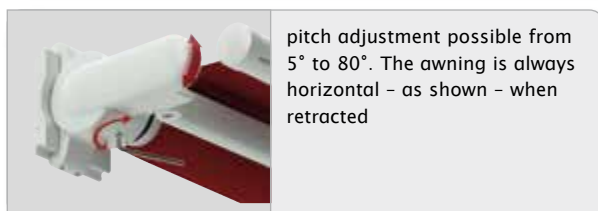
Dimensions

The markilux 930 swing is available at a maximum width of 500 cm. The maximum projection is 300 cm.

Operation

Manual operation by means of a stainless steel winding handle. On request a hard-wired electric motor or a radio-controlled motor with markilux remote control operation can be fitted.

Optional accessories, frame colours and technical details from page 46 onwards.





markilux 1700 / 1700 stretch



reddot design award
winner 2012

markilux 1700 / 1700 stretch // **Elegant design, trusted technology – the open style awning with an elegant appearance**

Design and technology

The classic shape of an open patio awning with an elegant appearance. Torque bar and roller tube “melt” just like teardrops drops into one another and thus give an harmonious and filigree appearance.

Excellent design

The successful shape of the markilux 1700 led it to winning the **reddot Design Award 2012**.

Attractive front profile made of extruded aluminium with integrated gutter and water drainage spouts at the side. By virtue of the especially sturdy construction of the awning even large areas can be safely covered. Unique arm technology with power transference by way of the highly tear-resistant bionic tendon made of high-tech fibres, achieving at least 50,000 cycles in tests by the Fraunhofer Institute.

Choice of fabrics

All fabrics from the current markilux collection made from sunvas snc and sunsilk snc including the exclusive fabric series visutex are available. A detachable valance comes as standard.

Dimensions

The markilux 1700 is available with a maximum width of 700 cm. The maximum projection is 400 cm.

Operation

Manual operation by means of a stainless steel winding handle, optionally with electric motor or a radio-controlled motor with markilux remote control.



side view of top fixture



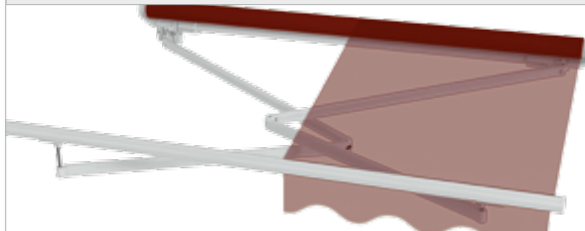
elegant front profile with gutter and water drainage spouts to the side



markilux bionic tendon made of high-tech fibres for ideal power transference – as standard

markilux 1700 stretch

greater projection than width: the perfect solution for narrow patios, niches and balconies



arms cross above one another during extension



tiered folding arm fitted to the sturdy, secondary torque bar



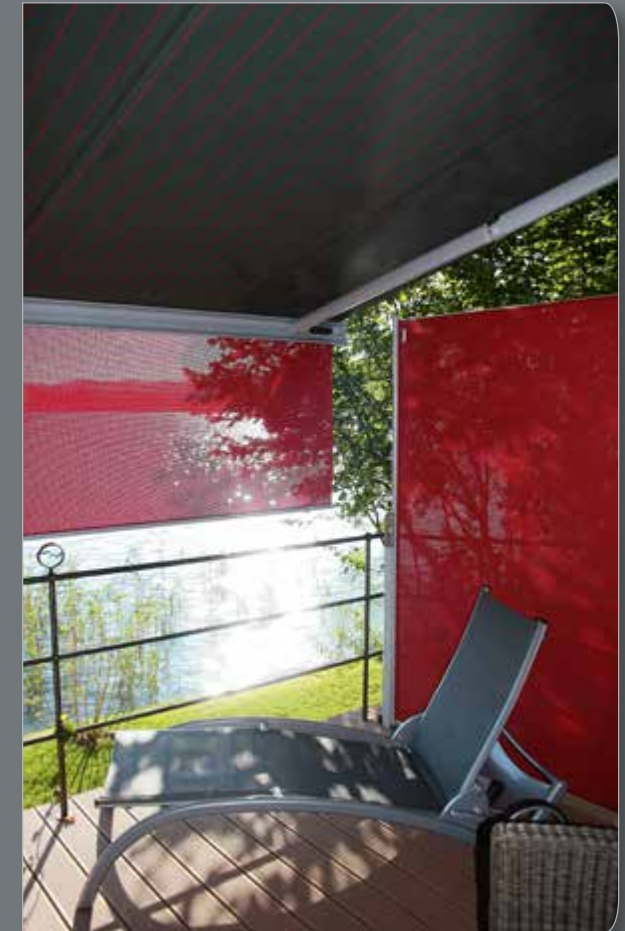


markilux Side Screen

There are very few spots in the garden that are completely protected from the sun, the wind and inquisitive neighbours on all sides. This makes a markilux side screen a must if you want to fully enjoy the summer on your balcony or patio. The markilux 790 is particularly suited for patios.

The model can be quickly and easily fitted and impresses with its stable and robust construction in combination with its impeccable ease of operation.

With more than 250 fabrics in the current markilux collection you can add whatever touch of colour takes your fancy and create a dreamlike atmosphere for your outdoor living area.



markilux



markilux 790

markilux 790 // Ideal, lateral protection against low-lying sun

Design and technology

The roller tube of the markilux 790 is hidden inside an unobtrusive, compact cassette, which is fitted vertically to the wall and protects the cover - when retracted - from dust and dirt. When required, the side screen is extended by pulling the handle and attaching it to a docking post or an opposing wall bracket.

The wall cassette can be fitted easily and without problem using universal fixing points. The docking post can either be inserted into a ground sleeve or installed using a footplate. If the side awning is to be fixed between two walls, there is also a wall connector to which the handle can be hooked. The markilux mobilfix can also be used for increased flexibility - a docking post mounted on a mobile granite footplate.

Choice of fabrics

All fabrics from the current markilux collection made from sunvas snc and sunsilk snc including the exclusive fabric series visutex are available.

Dimensions

The compact cassette is available in the standard heights of 173 cm, 213 cm and 250 cm. Covers made from panels (120 cm wide) can achieve a maximum extension of 400 cm, seamless covers can reach an extension of 450 cm.

Optional accessories, frame colours and technical details from page 46 onwards.



markilux 790 with angled top edge for folding-arm awnings

The side screen markilux 790 with angled top edge will complement your markilux folding-arm awning perfectly. The diagonally running top edge of the cover visually matches the pitch of the awning and so visually creates an harmonious picture on the patio.

The side screen with diagonally cut top edge is available in heights of 173 cm, 213 cm and 250 cm. The maximum extension is 400 cm.

For your assistance you can find below the most important points with regard to the technical specification and the functionality of your awning. The best advice will be provided by your specialised markilux dealer, who has excellent knowledge of the markilux range of products and can steer you competently towards the right one for you – so that you get the markilux that is perfect for you!

Arm bearings are essential components of every awning: at the points where the arms pivot they ensure friction-free, noiseless power transference and lateral stability e.g. in strong winds. Teflon-coated bronze bushes – as used in many markilux models – are the best guarantee of durability and easy, problem and maintenance-free operation.

Definition of projection: The nominal projection is measured with the awning extended at a pitch of approx. 15° from the back of the brackets over the cover to the leading edge of the front profile. The tolerance in the projection is ± 40 mm.

The **front profile** is the profile of your markilux that extends outwards. It shuts snugly against the cassette when the awning is closed.

The **front lath** is the same as the front profile but is round in shape and is found on open style awnings. The cover is connected to the front lath. When extended, it stabilises the awning and has a keyway to which a valance can be fitted.

Fixture: Nearly all models can be fitted either to the wall or ceiling if required. In most cases special brackets are required to do this.

Definition of width: Overall width of the awning.

markilux Quality // The difference is in the detail

Folding arm mechanisms: The folding arms of your markilux are moved either by the bionic tendon, with gas pistons or with strong steel-link chains. The latter is available as a single or as an even more robust twin chain, corrosion resistant. Gas piston-tensioned arms are an economic alternative. The bionic tendon is a markilux innovation. This is a power transference system developed by markilux using nature as its inspiration. It guarantees frictionless and virtually noiseless flexing of the folding arms. This improves the power transference to the front profile and extends the life expectancy. All mechanisms ensure high operating comfort and a taut cover – even if your markilux is not completely extended.

Pivot joint components are made of aluminium at markilux and in the case of some models even of steel. Both materials guarantee smooth operation and longevity.

Structural components such as cassette profiles, coverboards etc. are all made of extruded aluminium – this reduces the weight of the awning and increases safety. But above all, this material is extremely durable, is all but indestructible and looks good and presentable after many years.

Pitch: The pitch of your markilux is set individually by the professionals during installation.

RAL colours and power coating: Besides the standard and Lounge frame colours, markilux awnings are also available in many other RAL colours at a surcharge (colours similar to the RAL colour range); Colours may differ slightly from those depicted in both hue and finish. markilux folding-arm awnings are polyester powder coated using the standard process as outlined by the GISCS (German Industrial Standard for Component Surfaces). This powder coating standard has proven itself admirably over the past 30 years in the climate of central Europe.

Shedding of water: There will invariably be a time when your awning becomes wet. However, so that water can run off effectively during retraction there are – depending on the awning model – various mechanisms to ensure this happens in the case of rainwater and residual water in the cassette (a minimum pitch of 14° is required to ensure that the awning sheds rain water). If the awning is retracted when wet it should be extended again at the earliest opportunity to allow it to dry.

Rolltex bearing: In the case of very wide awning systems the roller tube may sag slightly in the centre. So that the cover does not come into contact with the internal mechanics during projection and retraction a rolltex bearing is used to support the roller tube.

Torque bar: The arms are fitted to the torque bar on open, semi-cassette and cover cassette awning systems. For this reason this component is made of high-grade steel.

The roller tube is the tube on which the cover is rolled up. The larger the diameter of the roller tube the less the cover will sag. markilux roller tubes – depending on the awning model – are fitted with a roller tube with a diameter of 85 mm or 95 mm.



Ultrasonic bonding: The individual panels of the awning fabrics are not stitched together, but bonded together by means of a holohedral overlap bond. It is particularly weather resistant and durable as the bonding offers a surface less prone to damage. Furthermore the bonding of the panels ensures a better, homogeneous appearance without disturbing seams.

Valances are suspended as additional decoration from the front profile. On request they are available in varying heights and shapes. These are not available with the markilux 1650 and 1600 pavilion 2.



markilux Function Plus – for the markilux 6000

markilux function plus // A markilux can do more, a lot more!

markilux silentec



Surprisingly quiet – even more comfort! The innovative motor technology for the cassette awning markilux 6000.

Acoustic insulation makes the special motor in the markilux 6000 particularly quiet. Only single units with 2 folding arms can be equipped with this motor technology.

markilux concertronic



The sound system for the markilux 6000. Music pleasure in stereo completely without loudspeakers.

Four transducers and two amplifiers with their own power supply turn the markilux 6000 into a stereo loudspeaker. Via the universal input (3.5 mm jack) the markilux 6000 now accepts signals from almost all audio devices with an analogue output such as Apple iPod/iPhone, Android smart phones, walkman, MP3 player, etc..

markilux silentec and markilux concertronic cannot be retrofitted to an already installed markilux 6000.

markilux revento

Function plus – aluminium telescopic support struts



The markilux revento consists of two telescopic aluminium poles attached to the front profile of folding-arm awnings which add extra stability when the awning is extended. The aluminium supports reduce the effect of light wind on the awning. This ensures a more pleasant experience on the patio or balcony when the awning is extended in squally conditions.

The markilux revento is adjustable in height from 151 cm to 270 cm and can be used for the following awnings:

- markilux 6000 / 6000 with Shadeplus
- markilux 5010 (without Shadeplus)
- markilux 990
- markilux 1500 / 1600 / 1600 stretch (each without Shadeplus)

The markilux revento is fitted to the valance keyway in the front profile. Therefore a valance is not available when using the markilux revento.



markilux Optional Accessories

markilux Optional Accessories // A markilux can do more, a lot more.



light and wind sensor

The intelligent automatic weather station: You can lean back – your markilux reacts to any changes in the weather. The automatic sensors will send the awning out when the sun shines and retract it if the wind picks up too much. A practical aid to protect the indoors from heating up too much.



Shadeplus / drop valance

The awning within an awning. Simply block out blinding rays of sunlight or inquisitive glances. An awning fabric of up to 210 cm in length can be extended vertically down from the front profile – also available with motor depending on the model. This ensures not only perfect protection from prying eyes, cold and heat, but also provides a wonderfully shaded, additional room outdoors.



lighting

The lighting conjures up an ideal atmosphere on those balmy summer evenings. Depending on the awning model, it is available as either spot lighting in the front profile or as a light bar – the markilux spotline – below the awning.



Radio-controlled motors and remote operation

With a comfortable electric motor your markilux will react at the press of a button. The ideal addition to this is the attractive markilux handheld remote control, which can be used in combination with a radio-controlled motor.



markilux infra-red heater

Cosy warmth when it starts to get cool. Feel the pleasant warmth immediately and

enjoy the evening for even longer.

- caressing warmth with no heating up phase and a pleasing lighting effect at the same time
- an attractive, unobtrusive housing design in aluminium, powder coated to match the colour of your markilux awning
- the housing is weather and splash proof (IP 24) – the heater can stay in place all year round
- save as much as 30% on energy costs in comparison with gas or quartz radiating heaters
- available with remote control
- average lamp life approximately 5,000 hours
- power output optionally in 1400 W or 2000 W
- environmentally friendly: no CO₂ emissions



Sunis – solar cell operated sunlight sensor

The sensor Sunis RTS will protect you from the sun and is flexible enough to be fitted to any façade. It sends extension and retraction signals to any blind or awning fitted with a radio-controlled motor without needing to be wired to the mains supply. It draws its power from the sun via a built-in solar cell. If the markilux folding-arm awning is also to be protected against damage through excessive wind, it will be necessary to fit the markilux Vibrabox as well.



Vibrabox – sensor for dynamic wind loads

Oscillation and inertia sensor based on radio-controlled technology for the wireless transmission of wind signals. Battery powered so no power supply or cabling required. Fixture is to the inside or outside of the front profile. You can choose from 9 different levels of sensitivity. Compatible with all RTS receivers capable of receiving wind signals.



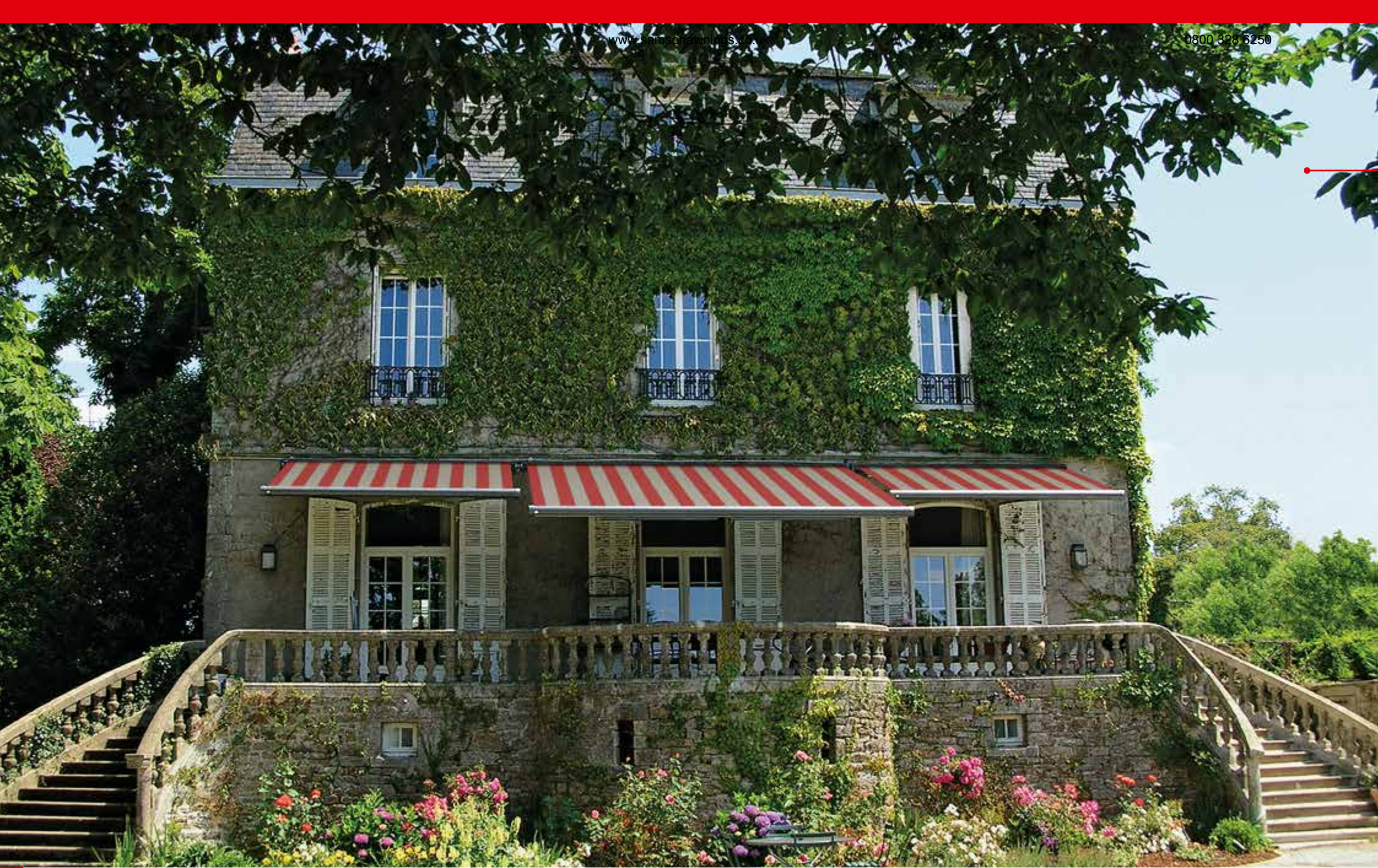
markilux system coverboard

The elegant, transparent system coverboard from markilux is a protective but at the same time visually appealing accessory to e.g. the new, open style awning model markilux 930 swing. An LED light rope, that can be integrated into the profile, is available as an optional extra. In the evening it provides a pleasant and extremely energy-saving lighting effect. So that the awning and the coverboard harmonise better with one another, the aluminium profile will be in the same frame colour as the awning. The system coverboard can be made to suit any awning width.














Safety

So that you can enjoy the use of your favourite spot in the shade without a care in the world, markilux awnings have been tested in line with the European Standard EN 13561 at wind speeds up to and including Beaufort 5. The CE mark endorses compliance with this safety and quality standard.



markilux at a glance


In this overview you will find all markilux patio and balcony awnings. A large range of models that vary considerably from one another but which have one thing in common: the proverbial markilux quality in design, function and technology which makes something special of every markilux. **Discover the markilux for you!**

	Cassette Awnings					Semi-cassette Awnings				Open Awnings	
	6000	ES-1	990	5010	3300 3300 pur	1500	1600 / 1650 1600 stretch	1710 / 1710 stretch	1600 pavilion 2	930 swing	1700 / 1700 stretch
											
Dimensions / Single Units											
maximum width	700 cm	650 cm	500 cm	700 cm	700 cm	660 cm (max. proj. 300 cm)	710 cm stretch: 410 cm	700 cm stretch: 400 cm	660 cm (max. proj. 300 cm)	500 cm	700 cm stretch: 400 cm
maximum projection	400 cm	350 cm	300 cm	400 cm	350 cm	350 cm (max. width 610 cm)	400 cm	400 cm	350 cm (max. width 610 cm)	300 cm	400 cm
Mechanics											
twin steel-link chain	—	—	—	●	●	—	●	—	●	—	—
single steel-link chain	—	—	●	—	—	—	—	—	—	●	—
gas pistons	—	●	—	—	—	●	—	—	—	—	—
bionic tendon	●	—	○	○	—	—	—	●	—	—	●
Fixture:											
face/soffit	□	□	□	□	□	□	□	□	□	□	□
eaves fixture	□	□	□	□	□	□	□	□	□	—	□
Valance											
included with the delivery	—	●	—	—	—	—	—	●	—	●	●
optionally	○	—	○	○	○	○*	○*	—	—	—	—
Special Technical Features											
arm joint components made from drop-forged aluminium or steel	●	●	●	●	●	●	●	●	●	●	●
corrosion-resistant screws	●	●	●	●	●	●	●	●	●	●	●
bonded cover seams	●	●	●	●	●	●	●	●	●	●	●

• standard specification / □ optionally available at a surcharge / □ available / — not available * a valance is standard on the 1600 stretch, it is not available on the markilux 1650 or the 1600 pavilion 2

Optional Accessories and Frame Colours









	Cassette Awnings						Semi-cassette Awnings		
	6000	ES-1	990	5010	3300	3300 pur	1500	1600	1650
									

Standard Colours									
white - RAL 9016	●	—	●	●	●	●	●	●	●
metallic aluminium - RAL 9006	●	—	●	●	●	●	●	●	●
grey brown - similar to RAL 8019	○	—	●	●	●	●	●	●	●
light ivory - RAL 1015	○	—	○	●	○	○	●	●	●
off-white textured finish - 5233	●	—	●	●	●	●	●	●	●
stone grey metallic - 5215	●	—	●	●	●	●	●	●	●
anthracite metallic - 5204	●	—	●	●	●	●	●	●	●
Havana brown textured finish - 5229	●	—	●	●	○	○	○	○	○
marine grade stainless steel	—		—	—	—	—	—	—	—

Optional Accessories									
hard-wired motor or radio-controlled motor with remote control	○	●	○	○	○	○	○	○	○
light and wind sensor*	○	○	○	○	○	○	○	○	○
Vibrabox sensor for dynamic wind loads*	○	○	○	○	○	○	○	○	○
Sunis light sensor*	○	○	○	○	○	○	○	○	○
infra-red heater	○	○	○	○	○	○	○	○	○
Shadeplus (manual or with motor drive - depending on the model)	○	—	—	○	—	—	○	○	—
lighting	○	—	—	—	—	—	—	—	●
manual gearbox drive	●	—	●	●	●	●	●	●	●

Optional Accessories
and Frame Colours

Special RAL colours are available for all markilux models except the ES-1.

Semi-cassette Awnings				Open Awnings			Side Screens	Optional Accessories and Frame Colours	
1600 stretch	1710	1710 stretch	1600 pavilion 2	930 swing	1700	1700 stretch	790		
									
									Standard Colours
●	●	●	●	●	●	●	●		white - RAL 9016
●	●	●	●	●	●	●	●		metallic aluminium - RAL 9006
●	○	○	●	●	○	○	●		grey brown - similar to RAL 8019
●	○	○	●	●	○	○	○		light ivory - RAL 1015
●	●	●	●	○	●	●	○		off-white textured finish - 5233
●	●	●	●	○	●	●	○		stone grey metallic - 5215
●	●	●	●	●	●	●	●	anthracite metallic - 5204	
○	●	●	○	○	○	○	○	Havana brown textured finish - 5229	
—	—	—	—	—	—	—	—	marine grade stainless steel	
								Optional Accessories	
○	○	○	○	○	○	○	—	hard-wired motor or radio-controlled motor with remote control	
○	○	○	○	○	○	○	—	light and wind sensor*	
○	○	○	○	○	○	○	—	Vibrabox – sensor for dynamic wind loads*	
○	○	○	○	○	○	○	—	radio control light sensor Sunis Wirefree*	
○	○	○	○	○	○	○	—	infra-red heater	
○	—	—	—	—	—	—	—	Shadeplus (manual or with motor drive – depending on the model)	
—	—	—	—	—	—	—	—	lighting	
●	●	●	●	●	●	●	—	manual gearbox drive	

● Standard equipment / ○ optionally available at surcharge / — not possible; colours similar to RAL - colours may differ slightly from those depicted in both hue and finish.

