

**HAROL**

1 SUN, 1000  
SOLUTIONS

# SUN PROTECTION





# Sun protection for your every need

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Why  
choose Harol?

**HAROL**

# Why sun protection?

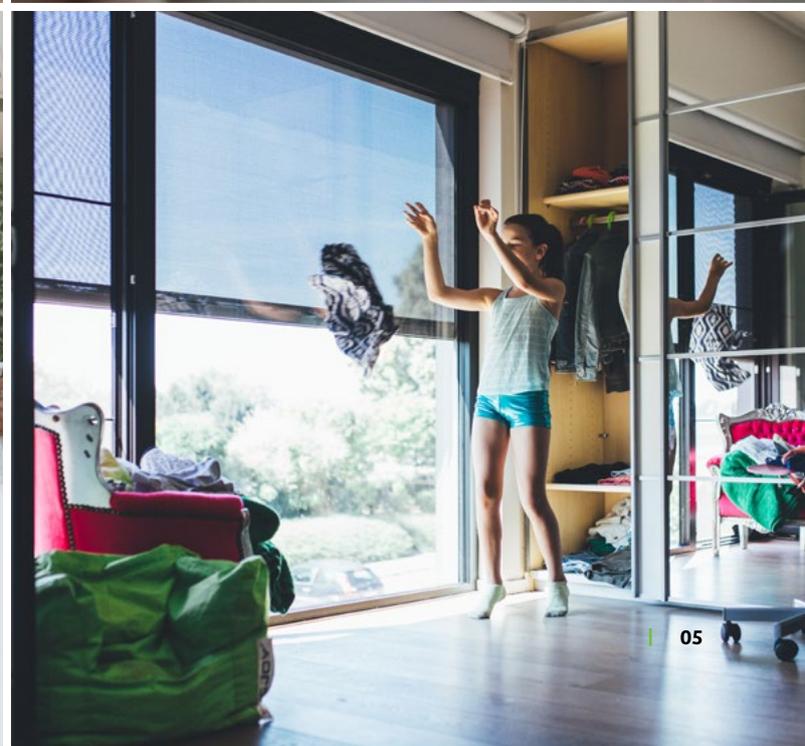
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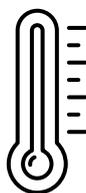
## Outstanding enjoyment indoors and out with Harol

"Newbuild or renovation? Traditional or modern? Our solutions are outstandingly versatile and perfectly adaptable to suit your family, architectural style and type of building. Moreover, they effortlessly meet the increasingly stringent requirements in terms of comfort, safety and energy efficiency. We have been building on our experience for three generations, and it shows!

Not only is Harol a reliable name, we are also a real trendsetter. We are continuously innovating and perfecting. This is the only way we can succeed in our mission: by ensuring you can enjoy a made-to-measure solution that offers you everything. And only the best is good enough!"

**Annick Draelants**  
CEO HAROL





# A comfortable summer temperature

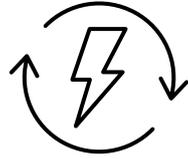


Do you want to keep out as much heat as possible in the summer? Then our outside sun protection is exactly what you need, because it keeps out at least 85 to 90% of the sun's heat! After all, outside sun protection repels the sun's rays before they even hit the window. The sun doesn't shine on the glass so no sun gets in to raise the temperature indoors. This means the indoor temperature can easily be 5 to 7°C lower than in a comparable building with no outside sun protection.

## ***Did you know that... darker fabrics repel more heat?***

There may be no grounds for argument about colours and taste, but the fabric colour used in your sun protection does determine how much heat gets in: light colours let in more heat than darker shades. So a screen in anthracite is more efficient than one in ochre yellow.

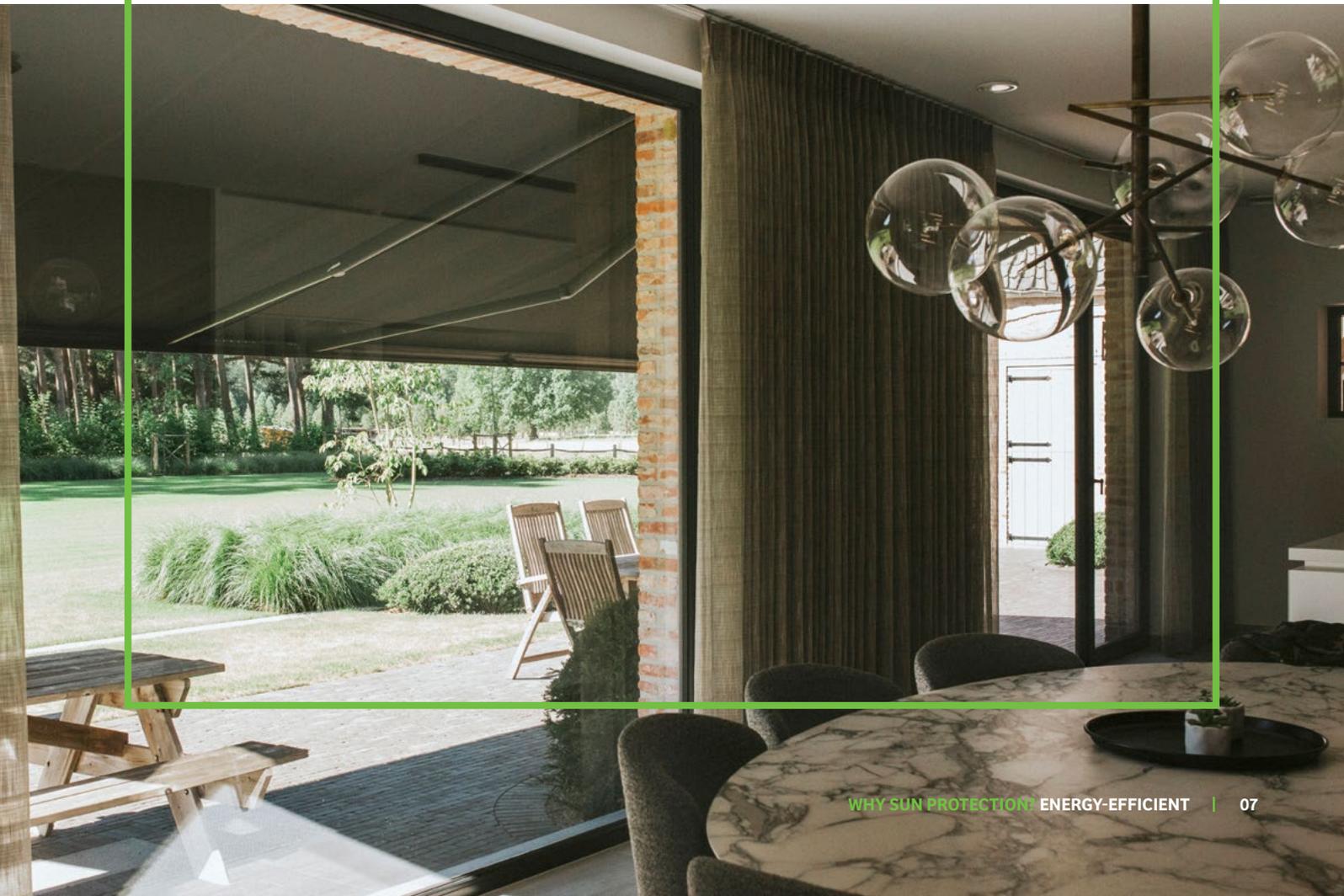




# Energy-efficient



Since sun protection keeps the heat out, less energy is needed for cooling in summer. Your sun protection is beneficial in winter too; if you keep your awning or blind down at night, it provides an extra layer of insulation that helps minimise heat loss. Your sun protection therefore contributes to a better indoor climate and energy savings in winter too.





# Visual comfort



Outside sun protection allows exactly the right amount of light in at any time of the day. That not only allows you to reduce the amount of time you use artificial light, but also improves the comfort of your living environment. After all, sufficient daylight and a view outside are extremely important for your mental and physical health: scientific research\* shows that these can improve memory and other brain functions by as much as 10 to 25% and boost performance.

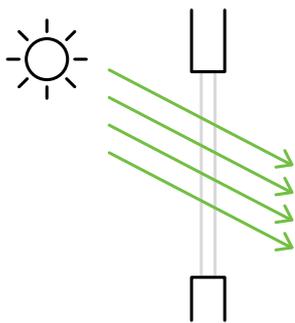
Moreover, annoying reflections on TVs and other screens become a thing of the past, and your furniture and interiors no longer fade.

## The right sun protection for every room

The area where the solution is to be used is one of the factors that determines the best type of outside sun protection to choose. In a living space overlooking the garden, it is best to opt for a system that does not spoil the view. In a work space, it is important to avoid glare when the sun is low and in bedrooms you mainly want to keep out as much light as possible.

\*A. Deneyer, engineer, head of 'Light and building' laboratory, WTCB dossier 2013.

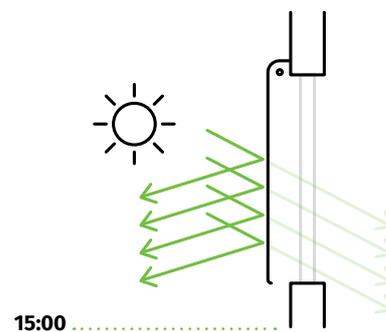
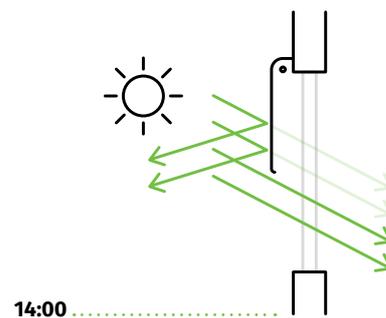
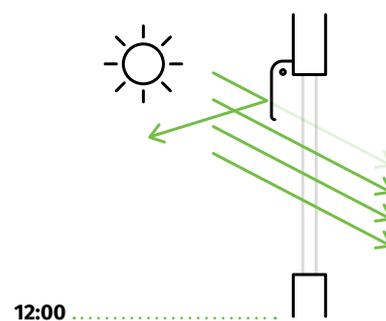
## Light ingress **without** sun protection



### **Did you know that...**

it is easier to look outside through darker sun protection fabrics? And that a fabric in a darker colour filters over 90% of the UV radiation? This is comparable to the protection offered by a factor 50 sun cream.

## **With** sun protection: optimum light ingress at any time of day



**HAROL**

# **Why automated sun protection?**



# Sustainability



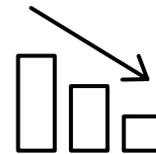
An automatic system engages the sun protection at exactly the right time, giving you a pleasant climate indoors whilst maintaining as much natural daylight as possible. This smart way of managing the sun's heat helps you reduce CO2 emissions because you can reduce your cooling using energy-hungry air conditioning to (close to) zero in the summer. In the winter you can again take best advantage of the passive heat of the sun so your heating requirements are reduced.

Your sun protection also has a positive impact on the energy rating of your home, which is determined not just by the level of insulation but also by the solar gains: how does this sit with the orientation and shading of the windows? Have screens, venetian blinds or other sunblinds been fitted? The manner of sun ingress and how you avoid overheating will therefore be important from now on.

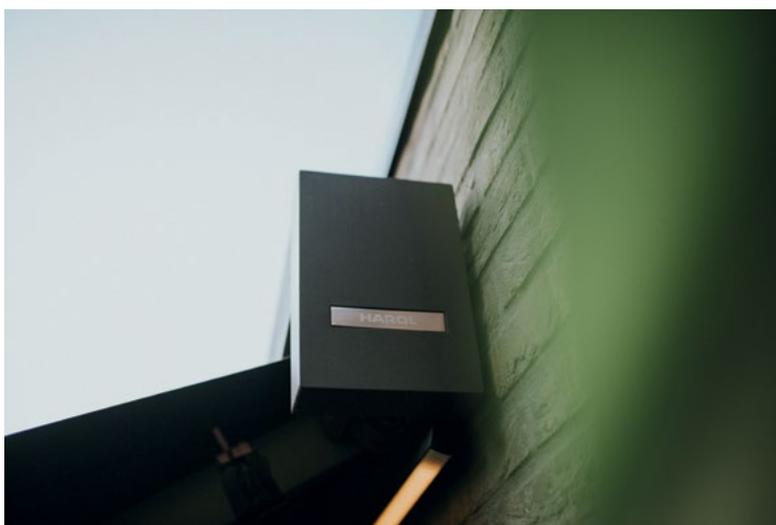
**Buildings with large windows will still be possible, but sun protection solutions will have to be considered in advance!**

- Sun protection prevents large areas of glass causing unhealthy, sultry heat.
- Harol's innovative sun protection prevents overheating of increasingly well-insulated buildings.
- The SC800-ZIP Facade is the ultimate screen for glass façades: safe, efficient and attractive.

80%



*You can save at least 80% on your energy bills by reducing your need for artificial lighting.*



**Did you know that...**

automation also extends your use and enjoyment?







# Which control to choose?



The simplest way to operate your electric sun protection is a wired switch. However there are many drawbacks to this. For example, you have to go to the switch every time you want to use it. A wireless remote control solves this problem and you can also use it to operate more than one product at a time.

An even easier solution is to use an app on your smartphone or tablet, for which you need the Connexoon base station. The TaHoma® goes a step further still, as it enables you to control your entire home.

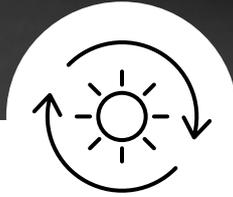
Wireless control of sun protection is made technically possible by radio technology. This gives you ease of operation; it is reliable, and the signals can pass through two concrete walls. Harol sun protection is fitted with an IO motor as standard.

This is a two-way communication system. The optional RTS system is a one-way communication system, which means you can only give a single command to your sun protection. With IO, your sun protection solution also provides feedback, so you see a message that your sun protection is actually open and has not been impeded.

## Additional benefits:

- ✓ Operation via an app on your smartphone is possible with a link to Connexoon or TaHoma.
- ✓ Feedback after every command: visual or audible on the remote control display.
- ✓ Can be connected to other products in your home
- ✓ Safe to use: unique encryption ensures that neighbours with the same remote control cannot operate your sun protection
- ✓ Modular: other controls can be added at any time



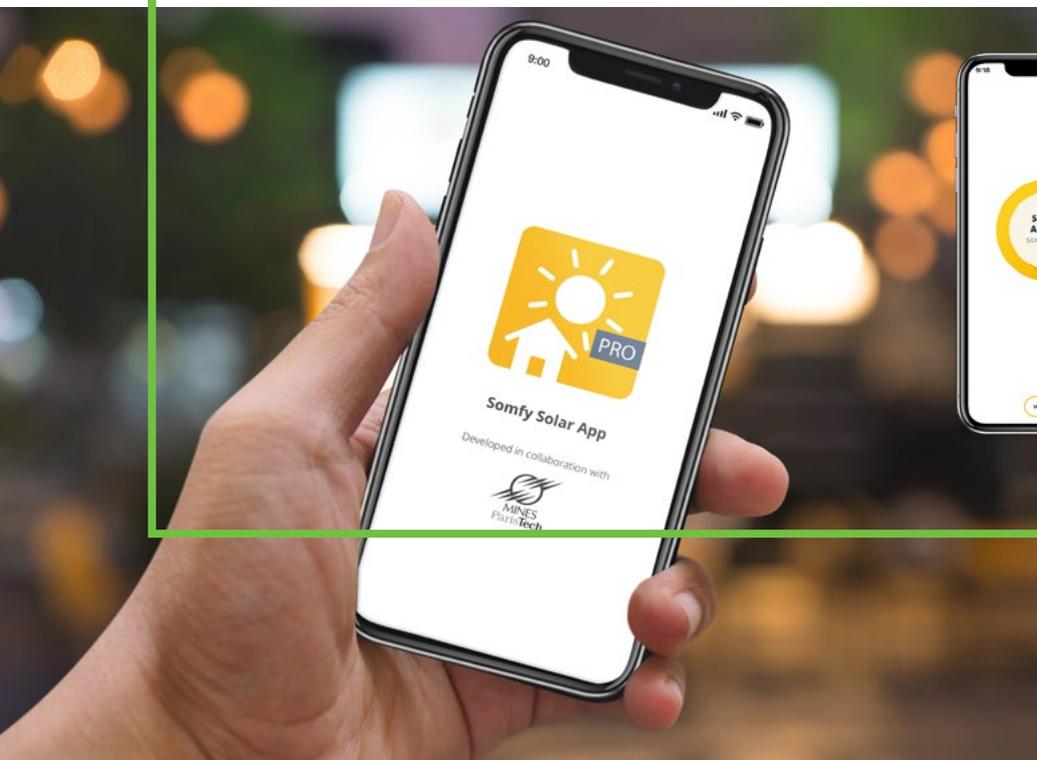


# Solar energy



Did you know that there is solar-powered sun protection? The SC800-ZIP surface-mounted screen needs only the sun to operate completely independently. So the sun itself keeps the sun out.

The battery is incorporated into the box as standard for a sleek look. The screen is installed without any channelling or electrical work, which is handy for retrofitting to existing homes. It also means the shell of the building remains intact. The SC800-ZIP Solar provides both heat and sound insulation, is highly wind-resistant and acts as an insect screen.





# So... why automated sun protection?



Sun protection can be automated in various ways: with a traditional switch, with a remote control, or by weather-dependent sensors that measure the wind strength, sun and precipitation. Not only does automation increase comfort, it also reduces your energy bill.

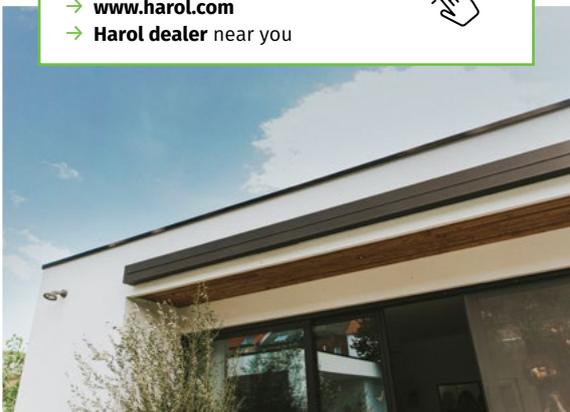
Another benefit of automation is that you can make it look as if you are home when you are on holiday. The Harol control system allows you to enter various scenarios, so you can open and close your sun protection at a different time every day.

#### Additional benefits:

- ✓ Ease of control: electrical systems are used more effectively than solutions with a manual control that are more difficult to operate.
- ✓ Ultimate ease of use: open or close all awnings, venetian blinds and screens with a single click.
- ✓ Always in your pocket: control your sun protection with an app on your smartphone.

**Want more information about  
our automated sun protection?**

- [www.harol.com](http://www.harol.com)
- **Harol dealer** near you





Screen



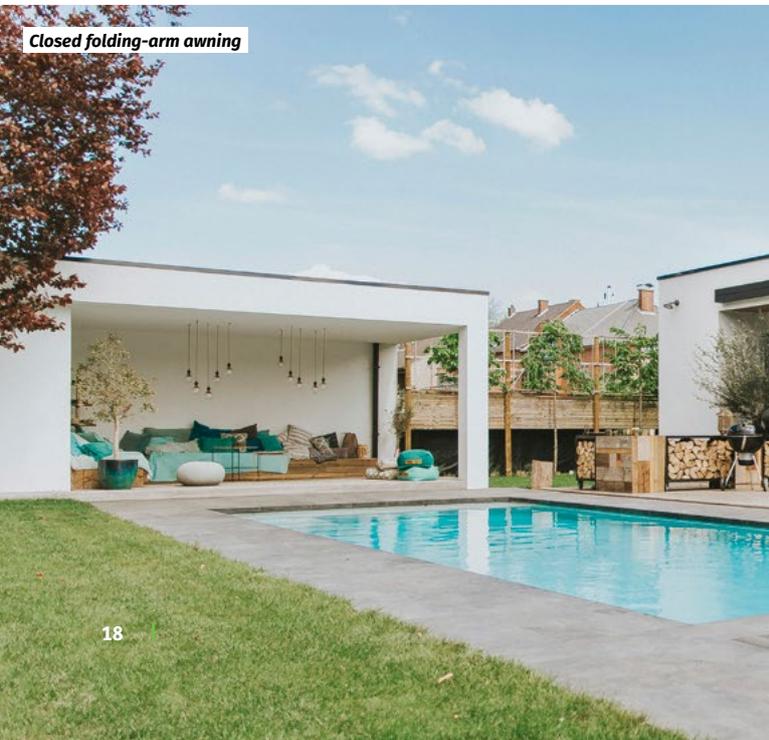
Veranda sunblinds



Folding-arm awning



Outside Venetian blind



Closed folding-arm awning



# HAROL

## Our solutions

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**Side sun and wind awning** ..... P. 52

**Unique ZIP  
technology,  
developed to  
perfection**



# SCREENS





SCREENS

OUTSIDE VENETIAN BLINDS

FOLDING ARM AWNINGS

VERANDA SUNBLINDS

PIVOT ARM AWNINGS

SIDE SUN AND WIND AWNING

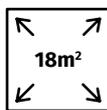
# SC800-ZIP

## Keeps wind and insects out

Harol surface-mounted screens are always an option if sun protection has not been incorporated into the building plans. The SC800-ZIP is always installed in front of the window so it is ideal for renovation projects. The insulation on your home remains undamaged because there is no penetration of the building shell. The SC800-ZIP also complements any architectural style: you can choose between a square or a round box. And, as it offers the highest possible wind classification, it can withstand reasonable gusts of wind without a problem.

### Benefits

- Ideal for renovations
- No penetration of the building shell
- The right box for any architectural style: sleek or traditional
- Complies with the highest possible wind classification
- Unique Xglide wear-resistant technology for longer fabric lifespan
- Innovative ZIP system with stainless steel springs for ultra-taut fabrics (screen also available without the ZIP system as model SC700)



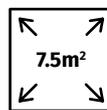
# SC800-ZIP Solar

## Solar powered: no building work required

The SC800-ZIP Solar surface-mounted screen operates on solar energy. The screen is installed without any demolition or electrical work, and the powerful battery is incorporated into the box as standard, for a sleek look. Like the SC800-ZIP, this surface-mounted screen also has the innovative ZIP system with stainless steel springs for ultra-taut fabrics. The unique Xglide wear-resistant technology also ensures a longer service life for the fabrics.

### Benefits

- No cutting or demolition work
- Operates exclusively on solar power
- Sleek design with an integrated battery
- **+ all the benefits of the SC800-ZIP**





SCREENS

OUTSIDE VENETIAN BLINDS

FOLDING ARM AWNINGS

VERANDA SUNBLINDS

PIVOT ARM AWNINGS

SIDE SUN AND WIND AWNING

# SC800-ZIP Facade



## The screen for glass façades

Thanks to an ingenious mounting profile, the extremely robust surface-mounted SC800-ZIP screen is now compatible with large glass façades! Because of their narrow window profile, they require a central fixing of the screen in the core of the glass façade profile. The innovative 'Protect Glass' mounting profile is simply fixed using one screw, after which the guide rails are attached with a clip. This offers all the advantages of our durable screen, without the risk of glass breakage!

### Benefits

- Ideal for large glass façades with very small window profiles
- Sleek, square screen box blends with your glass façade
- Innovative 'Protect Glass' installation profile: no risk of glass breakage
- Safe installation
- **+ all the benefits of the SC800-ZIP**



\* Test results according to CSTC, running at constant pressure of up to 1000 Pa "> 140 km/h" and an average dimension of 3.5 x 3 metres.

# SC900-ZIP

## Super-insulating box for extra comfort

With its heat-insulating and soundproofing box, the partially-concealed SC900-ZIP built-on screen is an excellent choice both for major renovation projects and for newbuilds. Not only does this comfort booster repel sunlight, it also expertly keeps out the cold.

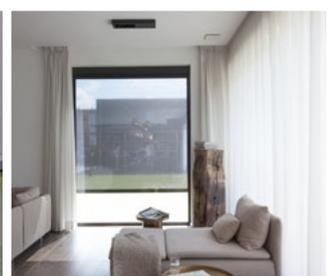
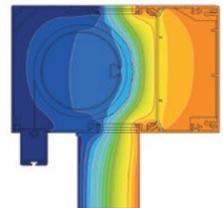
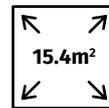
### Subtle charm has never been so durable

Conceal the narrow guide rails in the façade for a super sleek look. Inside your home, the box can be painted the same colour as your windows to blend in.

#### Benefits

- Ideal for major renovations and newbuilds
- Suitable for almost zero-energy living
- Super-insulating and soundproof box made of extra-tough extruded aluminium
- Box (visible on the inside of the house) can be painted the same colour as the window profiles
- Tempo Click system for easy installation above the window
- Option to conceal the guide rails in the façade for a sleek appearance
- Flexible ZIP profile that can be clicked in and out of the lateral guides to allow very easy fabric care
- Also available without the insulating box as model SC910-ZIP, thereby allowing you to determine the finish and insulation.

- ✔ **Super-insulating** → 1.3 Wm<sup>2</sup>K
- ✔ **Extremely soundproof** → 54 (0;-3) dB



# SC1000-ZIP



## Concealed installation in the cavity. Excels in energy efficiency

Completely concealed in the cavity wall, and without penetrating the building shell... The SC1000-ZIP is the built-in screen of choice for passive construction and energy-neutral living. When closed, the bottom slat disappears completely into the screen box. That delivers a sleek look and excellent protection for your fabric against wind and weather.

### Superior obstacle detection

The smart motor detects obstacles and stops the screen automatically if it touches an obstacle. Protection both for your family and for the screen itself.

### Benefits

- Ideal for passive and low-energy homes
- Invisible comfort: box is completely concealed in the cavity wall
- No penetration of the building shell
- Extra slimline guide rails available
- Click & Lock system for safe and easy maintenance
- The flexible ZIP profile clicks in and out of the lateral guides to allow very easy fabric care.

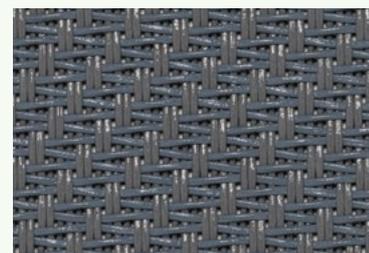
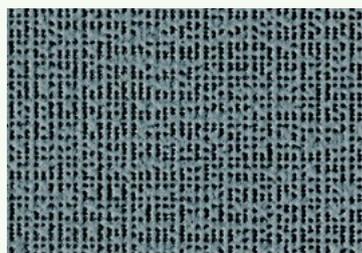
\* Test results according to CSTC, running at constant pressure of up to 1000 Pa "> 140 km/h" and an average dimension of 3.5 x 3 metres.



## High quality screen fabrics

ⓘ The lower the g-value, the greater the thermal insulation.

| Type  | Soltis Horizon 86 | Soltis Perform 92 | Soltis Opaque B92 | Serge 600            | Serge 1%    | Serge 600 Lunar |
|---|-------------------|-------------------|-------------------|----------------------|-------------|-----------------|
|   | Polyester         |                   |                   | Glass fibre          |             |                 |
|   | Serge Ferrari     |                   |                   | copaco screenweavers |             |                 |
| Transmission of direct sunlight                       | 14%               | 8%                | 0%                | 5%                   | 1%          | 0%              |
| Solar factor: $g_{tot}$ values (with glazing C U=1,2) | 0.15 - 0.22       | 0.05 - 0.15       | 0.02 - 0.05       | 0.01 - 0.10          | 0.05 - 0.09 | 0.02 - 0.09     |





**SC700**

**SC800-ZIP**

**SC800-ZIP SOLAR**

**SC800-ZIP FACADE**

**SC900-ZIP**

**SC1000-ZIP**

| Type  | Surface-mounted  | Surface-mounted   | Surface-mounted    | Surface-mounted   | Built-on            | Built-in          |
|---|------------------|-------------------|--------------------|-------------------|---------------------|-------------------|
| <b>DIMENSIONS</b>                             |                  |                   |                    |                   |                     |                   |
| Max. width                                    | 3.5 m            | 5 m               | 2.5 m              | 5 m               | 5 m                 | 5 m               |
| Max. height                                   | 3.5 m            | 6 m               | 3 m                | 6 m               | 3.5 m               | 4.4 m             |
| Max. area                                     | 9 m <sup>2</sup> | 18 m <sup>2</sup> | 7.5 m <sup>2</sup> | 18 m <sup>2</sup> | 15.4 m <sup>2</sup> | 14 m <sup>2</sup> |
| <b>OPERATION**</b>                            |                  |                   |                    |                   |                     |                   |
| Wireless IO (two-way communication) *         | ✓                | ✓                 | –                  | ✓                 | ✓                   | ✓                 |
| Wireless RTS (one-way communication)          | Optional (-)     | Optional (-)      | ✓ SOLAR            | Optional (-)      | Optional (-)        | Optional (-)      |
| Electric wired                                | Optional (-)     | Optional (-)      | –                  | Optional (-)      | Optional (-)        | Optional (-)      |
| Manual  | Optional (-)     | Optional (-)      | –                  | –                 | –                   | –                 |
| <b>DURABILITY</b>                             |                  |                   |                    |                   |                     |                   |
| Wind load according to pressure test (CTSC) * | 37 km/h          | 140 km/h          | 140 km/h           | 140 km/h          | 140 km/h            | 140 km/h          |
| X-glide anti-wear fabric technology           | ✓                | ✓                 | ✓                  | ✓                 | –                   | –                 |
| ZIP profile with stainless steel springs      | –                | ✓                 | ✓                  | ✓                 | ✓                   | ✓                 |

\* Test results according to CSTC, running at constant pressure of up to 1000 Pa “> 140 km/h” and an average dimension of 3.5 x 3 metres.

\*\* See page 12

Optional (-) price reduction – Optional (+): extra cost

# So... why screens?



- ✔ Passive, energy-neutral, renovated or brand new: Harol has something for everyone
- ✔ The view outside is not impaired: the darker the fabric, the better the visibility outside
- ✔ Offering the highest possible wind classification, our screens can withstand strong gusts of wind
- ✔ No air gaps: the sun is truly repelled (excl. SC700)
- ✔ Doubles as an insect screen: a boon in the summer
- ✔ Extensive collection of high quality screen fabrics made from polyester and glass fibre: from very translucent to complete blackout
- ✔ The wear-resistant technology and the ingenious ZIP system keep the fabrics ultra-taut
- ✔ Low maintenance

## Want more information about our screens?

- [www.harol.com](http://www.harol.com)
- Harol dealer near you



**Innovative  
solution with  
no loss  
of daylight**



# **OUTSIDE VENETIAN BLINDS**





SCREENS

OUTSIDE VENETIAN BLINDS

FOLDING ARM AWNINGS

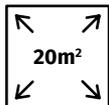
VERANDA SUNBLINDS

PIVOT ARM AWNINGS

SIDE SUN AND WIND AWNING

WITH HIDDEN SYSTEM

# BZ1000



## Contemporary sun protection

The BZ1000 outside venetian blind is installed invisibly in the outside wall, either in the cavity with a guide rail or with a cable guide and cover. You can also opt for installation with a visible but slimline U-shaped box. This contemporary sun protection gives you the optimum amount of daylight at all times, with maximum privacy protection since the top and bottom slats can be adjusted separately. Moreover, the high-quality aluminium slats are easy to clean, with an impressive colour palette to choose from.

*“The importance of light is hugely underestimated”*

**Bram Schelstraete**

MARKEY & SCHELSTRAETE INTERIOR ARCHITECTS

### Unique properties

- Innovative spring tensioning system for a stable slat structure
- A selection of mounting options
- Easy to clean
- Choice of 3 slat types and an impressive colour palette
- Resistant to high winds (up to 80 km/h in compliance with EN13659)
- High performance light tracking effect
- Perfect privacy protection



## DIMENSIONS

Max. width  
5 m

Max. height  
5.2 m

Max. area  
20 m<sup>2</sup>





SCREENS

OUTSIDE VENETIAN BLINDS

FOLDING ARM AWNINGS

VERANDA SUNBLINDS

PIVOT ARM AWNINGS

SIDE SUN AND WIND AWNING

# BZ700



## Easy to install

The BZ700 surface-mounted outside venetian blind keeps heat out while letting light in. And always exactly the right amount, because the top and bottom slats can be adjusted separately. This also gives you perfect privacy protection at any time of the day. Moreover, the BZ700 is just as easy to install as a surface-mounted roller shutter: the bevelled box is installed in front of the window. And, to give it an impeccable look, the innovative slats also automatically return to their original shaped if dented.

### Unique properties

- Simple assembly
- Handy to maintain
- Innovative AF80 slat
- High performance light tracking effect
- Perfect privacy protection

## DIMENSIONS



**Max. width**  
4.0 m

**Max. height**  
3.6 m

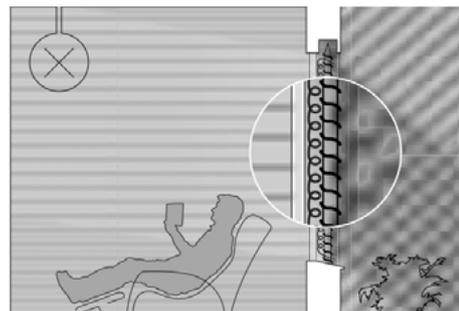
**Max. area**  
14.4 m<sup>2</sup>



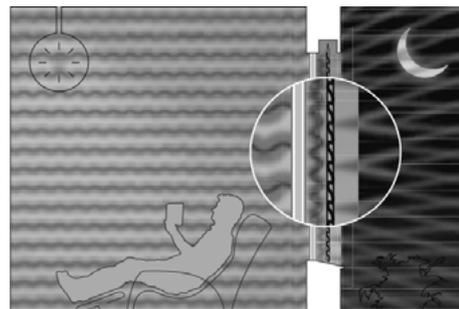
# So ... why outside venetian blinds?



- ✔ Highly efficient: light and sun ingress can be controlled as required
- ✔ Optimum use of natural daylight so less need for artificial light
- ✔ Perfect privacy protection at any time of day
- ✔ Timeless design and functionality go hand in hand
- ✔ Save on your energy bills throughout the year: heat is kept out in the summer and in the winter
- ✔ Easy to clean
- ✔ Ideal for the home and the office



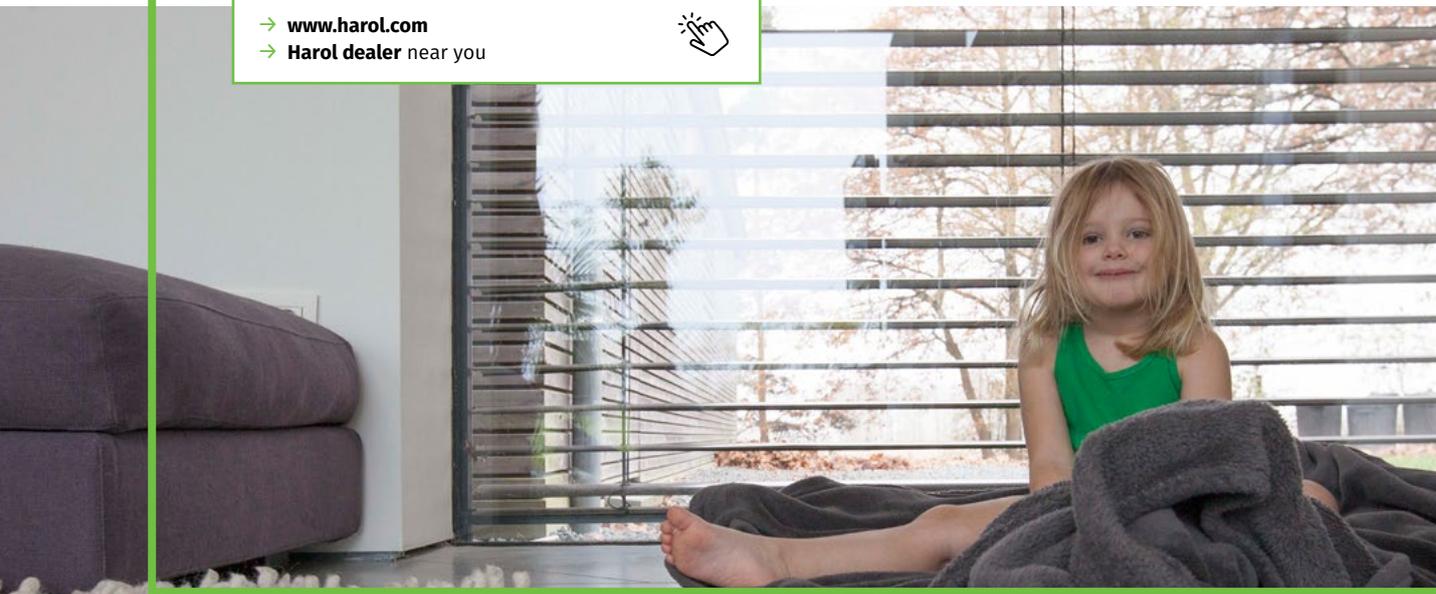
 **Air circulation keeps heat out**



 **Air cushion keeps heat in (when blinds are closed)**

**Want more information about our outside venetian blinds?**

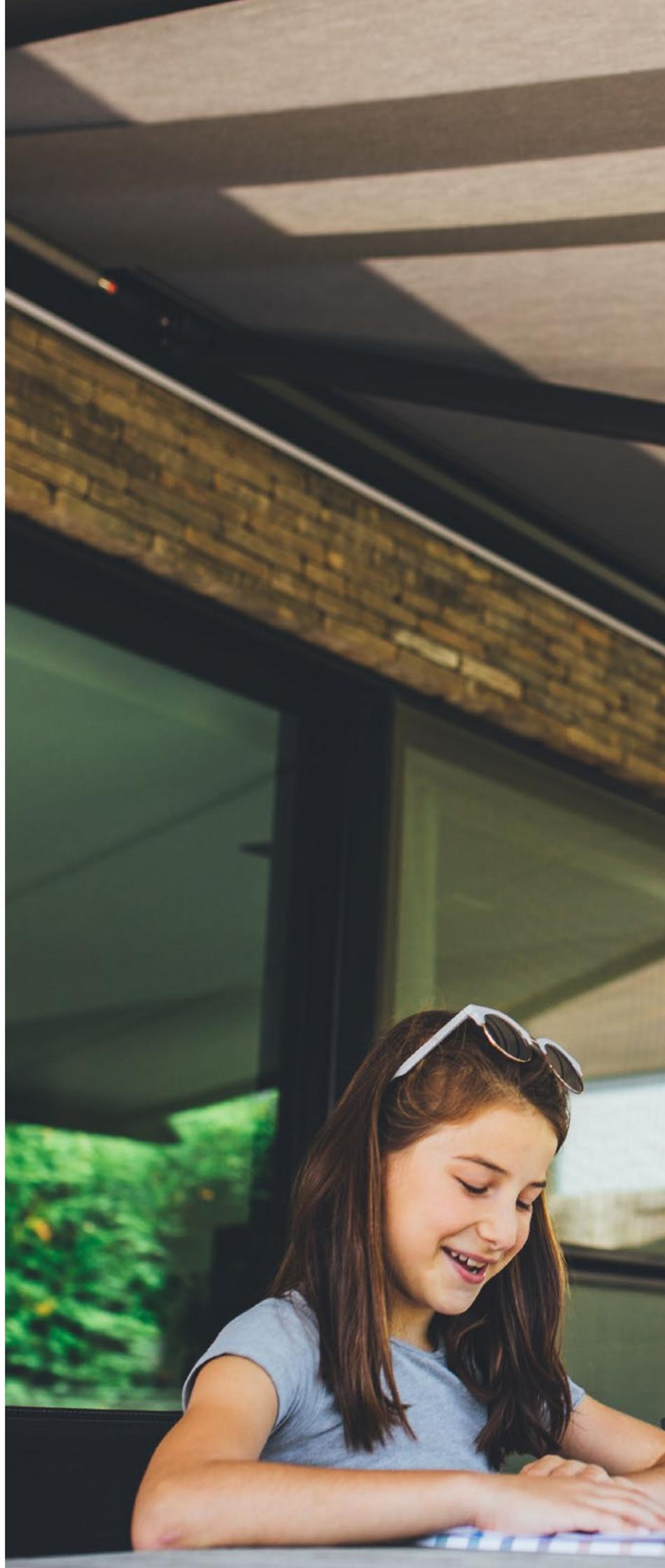
- [www.harol.com](http://www.harol.com)
- **Harol dealer** near you



**Over 70 years'  
expertise creates a  
recipe for success**



# FOLDING ARM AWNINGS





SCREENS

OUTSIDE VENETIAN BLINDS

**FOLDING ARM AWNINGS**

VERANDA SUNBLINDS

PIVOT ARM AWNINGS

SIDE SUN AND WIND AWNING





SCREENS

OUTSIDE VENETIAN BLINDS

FOLDING ARM AWNINGS

VERANDA SUMMER BLINDS

PIVOT ARM AWNINGS

SIDE SUN AND WIND AWNING

# Small box, huge effect

## BX270

### Sleek all-rounder, up to a 3.5 m drop

With its highly compact box, the sleek BX270 awning can be perfectly integrated into any façade. This folding arm awning also has a fully-closed box to ensure that the fabric is completely protected against dirt and inclement weather. The BX270 is also available with energy-saving, dimmable LED lighting to create a highly atmospheric ambience in an instant.

#### Unique properties

- Ultra-compact, fully closed box
- Sleek design with no need for screws
- Fabric is protected against wind and weather
- Water drainage subtly integrated into the extension pole
- Wide wall brackets facilitate installation on almost any surface

#### Options

- Energy-saving, dimmable LED strip in the box
- Valance for extra shade when the sun is low
- Sun, wind and rain sensor for automatic control
- Storelight heating and/or lighting



### Types



BX270



BX270

### DIMENSIONS

#### Maximum width

7 m (1 section) | 12 m (2 sections)

#### Drop

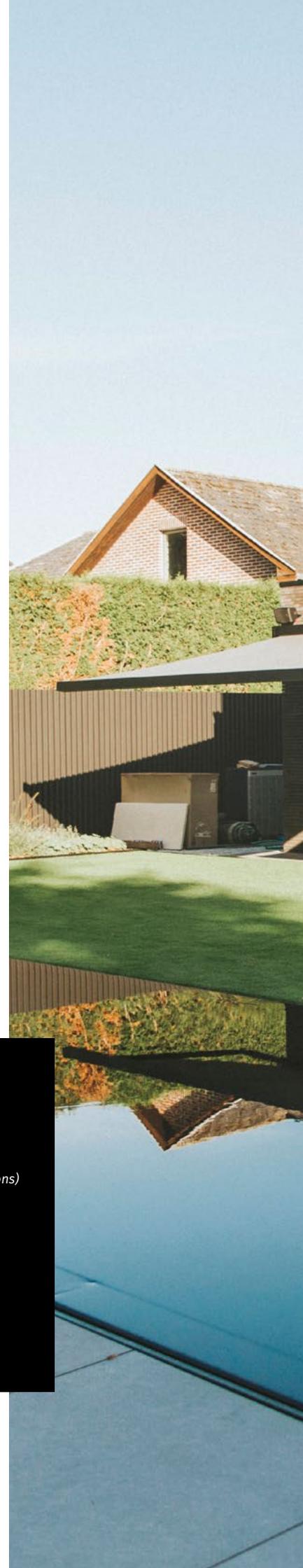
min. 1.5 m | max. 3.5 m

#### Angle

min. 10° | max. 35°

#### Min. installation height

2.5 m





SCREENS

OUTSIDE VENETIAN BLINDS

FOLDING ARM AWNINGS

VERANDA SUNBLINDS

PIVOT ARM AWNINGS

SIDE WIND AND SUN AWNING

# Enhances any façade

## BX260

*Traditional all-rounder, up to a 3.5 m drop*

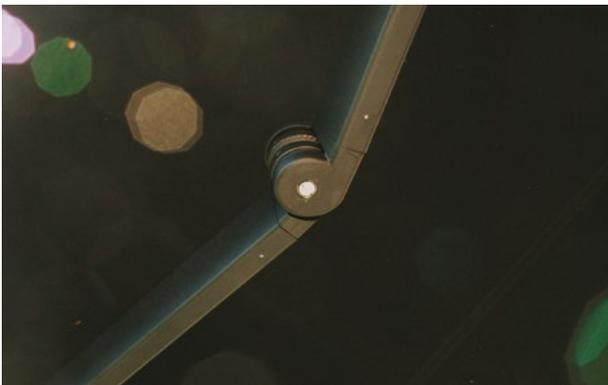
The BX260 is the BX270's more traditional-looking brother. This classic all-rounder has a thin, rounded box that complements any façade and protects the fabric against rain and wind.

### Unique properties

- Thin, fully closed box
- Classic look
- Fabric is protected against wind and weather
- Water drainage subtly integrated into the extension pole
- Wide wall brackets enable installation on almost any surface

### Options

- Valance for extra shade when the sun is low
- Sun, wind and rain sensor for automatic control
- Storelight heating and/or lighting



## DIMENSIONS

### Max. width

7 m (1 section) | 12 m (2 sections)

### Drop

min. 1.5 m | max. 3.5 m

### Angle

min. 10° | max. 35°

### Min. installation height

2.5 m





SCREENS

OUTSIDE VENETIAN BLINDS

FOLDING ARM AWNINGS

VERANDA SUNBLINDS

PIVOT ARM AWNINGS

SIDE WIND AND SUN AWNING

# Extra large, extra tough

## LX530

### Deluxe awning, up to a 4 m drop

The robust LX530, with its drop of no less than 4 metres, is ideal for shading a large terrace. Moreover, it is always fitted with an electric control: just press the button from your patio chair to open or close your awning.

#### Unique properties

- Extremely large drop of up to 4 metres
- Flexible installation: against the wall, on the ceiling, under a balcony and even against the roof trusses
- Only available with electric operation

#### Options

- Energy-saving, dimmable LED strip in the box
- Electric vario valance for extra shade when the sun is low
- Sun, wind and rain sensor for automatic control
- Storelight heating and/or lighting

*"Our awning has black fabric with white stripes, that is extra moisture-proof, allowing us to enjoy our terrace even when the weather is not so good. There weren't too many colours that would go with our blue stone. The colour on the terrace is created by the people under the awning."*

| **David & Nathalie**

### Types



Vario valance



LX530 Storelight lighting





## DIMENSIONS

### Max. width

7 m (1 section) | 12 m (2 sections)

### Drop

min. 1.5 m | max. 4 m

### Angle

min. 10° | max. 40°

### Min. installation height

2.5 m

|   |   |   |  |   |   |
|---|---|---|--|---|---|
|  |  |  |  |  |  |
| <b>BX270</b>  | <b>BX260</b>  | <b>LX530</b>  | <b>CA430</b>   | <b>PR SERIES</b>  | <b>TC SERIES</b>  |

## DIMENSIONS

|   |           |           |           |           |                |                 |
|---|-----------|-----------|-----------|-----------|----------------|-----------------|
| <b>Maximum drop</b>                               | 3.5 m     | 3.5 m     | 4 m       | 3.5 m     | 3.5 m          | 3 m             |
| <b>Maximum width in 1 section (2 arms*)</b>       | 7 m       | 7 m       | 7 m       | 7 m       | 7 m            | 5.5 m           |
| <b>Maximum width coupled (2 sections, 4 arms)</b> | 12 m      | 12 m      | 12 m      | –         | 12 m           | –               |
| <b>Angle of inclination</b>                       | 10° - 35° | 10° - 35° | 10° - 40° | 10° - 45° | 10° - 45°      | 0° - 90°        |
| <b>Weight</b>                                     | ± 20 kg/m | ± 18 kg/m | ± 19 kg/m | ± 18 kg/m | ± 8 to 11 kg/m | ± 13 to 14 kg/m |

## BOX TYPE i ● Important for protecting the fabric

|                  |   |   |          |   |       |       |
|------------------|---|---|----------|---|-------|-------|
| <b>Closed</b>    | ✓ | ✓ | Optional | ✓ | PR230 | TC130 |
| <b>Half-open</b> | – | – | ✓        | – | PR220 | TC120 |
| <b>Open</b>      | – | – | –        | – | PR210 | TC110 |

## OPTIONS

|                                |   |   |                           |   |                         |   |
|--------------------------------|---|---|---------------------------|---|-------------------------|---|
| <b>Vario valance</b>           | – | – | Electric to 2 m in height | – | Manual to 2 m in height | – |
| <b>Integrated LED lighting</b> | ✓ | – | ✓                         | – | –                       | – |

## OPERATION <sup>\*\*</sup>

|                                    |              |              |          |              |              |              |
|------------------------------------|--------------|--------------|----------|--------------|--------------|--------------|
| <b>IO (two-way communication)</b>  | ✓            | ✓            | ✓        | ✓            | ✓            | ✓            |
| <b>RTS (one-way communication)</b> | Optional     | Optional     | Optional | Optional     | Optional     | Optional     |
| <b>Manual (crank)</b>              | Optional (-) | Optional (-) | –        | Optional (-) | Optional (-) | Optional (-) |

## FITTING TYPE

|   |   |   |          |          |          |          |
|---|---|---|----------|----------|----------|----------|
| <b>Against the wall</b>                     | ✓ | ✓ | ✓        | ✓        | ✓        | ✓        |
| <b>Against the ceiling/ under a balcony</b> | – | – | Optional | Optional | Optional | Optional |
| <b>Against the roof truss</b>               | – | – | Optional | Optional | Optional | –        |

\* 3 arms for widths > 6 m

\*\* See page 12

Optional (-) price reduction – Optional (+): extra cost

# So... why a folding arm awning?



- ✔ Integrated solution for any façade type
- ✔ Infinite number of installation options: against the wall, under a ceiling, against the roof truss, under a balcony
- ✔ The combination of drop, angle and installation height provide the required shade and light
- ✔ Something for everyone: sleek or traditional look and an extensive choice of high-quality fabrics
- ✔ UV resistant: the acrylic fabrics filter over 90% of UV radiation, equivalent to factor 50 sun cream
- ✔ Low-maintenance: the fabrics are treated with a special water-repellent coating which repels dirt and grease, stops mould and will not rot.
- ✔ Prevents your interiors from fading
- ✔ Also handy for retailers to keep the sun off their shop windows and for pubs, restaurants and hotels to provide shade on their terraces

#### **TIP!**

*Don't just bring the dimensions with you, bring a photo too. This will enable us to help you make the best possible choice.*

**Want more information about our folding arm awnings?**

- [www.harol.com](http://www.harol.com)
- **Harol dealer** near you



**Award-winning  
total concept**



# VERANDA SUN- BLINDS





SCREENS

OUTSIDE VENETIAN BLINDS

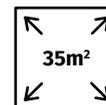
FOLDING ARM AWNINGS

**VERANDA SUNBLINDS**

PIVOT ARM AWNINGS

SIDE SUN AND WIND AWNING

# VZ080-ZIP



## Veranda sunblinds, up to 35 m<sup>2</sup> with a super-compact box

With VZ080-ZIP blinds, you get the most from your veranda, skylight or rooflight. With this example of timeless design, you can enjoy precisely the right level of shade. It will never get too hot. After all, the ingenious design means you can block out the sun completely.

### Unique properties

- Ultra-compact, fully closed box
- One system, endless possibilities - indoors and out
- Sleek and timeless design
- The fabric edge is completely enclosed
- Reduced sunlight on the vertical glass surfaces, thanks to an optional overhang
- Ultra-taut fabrics last many years thanks to the unique ZIP system
- Easy maintenance

## One system, endless possibilities



Bottom-up



Top-down



Lateral



Built-on



Interior sun protection



Built-in

- ✓ Most compact box for 3.5 m drop
- ✓ Perfect **blackout**

## DIMENSIONS

### Max. width

3 m (1 section) | 10 m (4 sections)

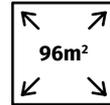
### Max. drop

3.5 m

### Max. area

10.5 m<sup>2</sup> (1 section) | 35 m<sup>2</sup> (4 sections)

# VZ800-ZIP



## Sleek, slimline, high-performance veranda sunblind up to 96 m<sup>2</sup>

The VZ800-ZIP is the second member of our award-winning VZ range. This veranda sunblind is ideal for large expanses of glass and rates highly on comfort, design, security and energy savings. It is a sleek, slimline and high-performance blind!

### Unique properties

- Ultra-compact, fully closed box
- Dimmable LED lighting can be integrated into the box
- Sleek and timeless design
- Ideal for large expanses of glass
- The fabric edge is completely enclosed
- Reduced sunlight on the vertical glass surfaces, thanks to the overhang option
- Ultra-taut fabrics last many years thanks to the unique ZIP system
- Easy maintenance

- ✔ Ultra-compact box
- ✔ Perfect **blackout** possible

## ZIP system for perfect blackout

(Also on the VZ080-ZIP)

🗨️ **Light ingress through opening between guide rails and fabric**



👍 **No light ingress because fabric edge is completely enclosed**

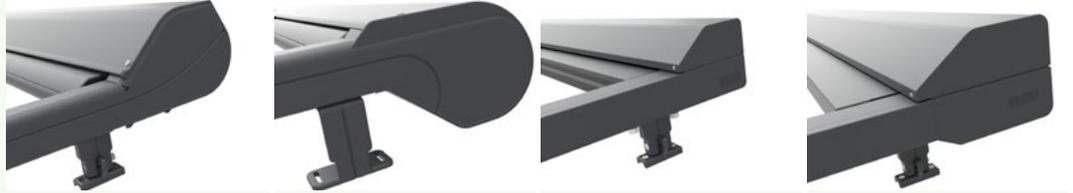


## DIMENSIONS

**Max. width**  
6 m (1 section) | 16 m (4 sections)

**Max. drop**  
6 m

**Max. area**  
25 m<sup>2</sup> (1 section) | 96 m<sup>2</sup> (4 sections)



**VZ510**

**VZ520**

**VZ080-ZIP**

**VZ800-ZIP**

**DIMENSIONS**

|  |                   |                    |                     |                   |
|--|-------------------|--------------------|---------------------|-------------------|
| <b>Max. width in 1 section</b>         | 4.5 m             | 5.5 m              | 3 m                 | 6 m               |
| <b>Max. width coupled (4 sections)</b> | 18 m              | 22 m               | 10 m                | 16 m              |
| <b>Max. drop</b>                       | 6 m               | 6 m                | 3.5 m               | 6 m               |
| <b>Max. area in 1 section</b>          | 18 m <sup>2</sup> | 25 m <sup>2</sup>  | 10.5 m <sup>2</sup> | 25 m <sup>2</sup> |
| <b>Max. area coupled (4 sections)</b>  | 72 m <sup>2</sup> | 100 m <sup>2</sup> | 35 m <sup>2</sup>   | 96 m <sup>2</sup> |

**OPERATION\***

|                 |              |              |              |              |
|-----------------|--------------|--------------|--------------|--------------|
| <b>IO</b>       | ✓            | ✓            | ✓            | ✓            |
| <b>RTS</b>      | Optional     | Optional     | Optional     | Optional     |
| <b>WT</b>       | Optional (-) | Optional (-) | Optional (-) | Optional (-) |
| <b>2 motors</b> | Width > 9 m  | Width > 11 m | Width > 5 m  | Width > 8 m  |

**DURABILITY**

|                                  |                          |                          |            |            |
|----------------------------------|--------------------------|--------------------------|------------|------------|
| <b>Fully closed box</b>          | ✓                        | ✓                        | ✓          | ✓          |
| <b>Taut fabrics</b>              | Fabric tensioning system | Fabric tensioning system | ZIP system | ZIP system |
| <b>Perfect blackout possible</b> | -                        | -                        | ✓          | ✓          |

\* See page 12

Optional (-) price reduction – Optional (+): extra cost

# So... why veranda sunblinds?



- ✓ For the best enjoyment of your veranda, skylight or rooflight
- ✓ Always the right amount of shade
- ✓ Sleek design with compact boxes
- ✓ Perfect blackout possible
- ✓ Flexible made-to-measure solution for all types of flat and pitched glazed areas
- ✓ Ideal for large expanses of glass
- ✓ VZ is an award-winning total concept comprising not only the VZ080-ZIP and the VZ800-ZIP, but also the Versuz and AIR pergolas (see *Outdoor Living brochure*)



**Want more information about our veranda sunblinds?**

- [www.harol.com](http://www.harol.com)
- **Harol dealer** near you



**Focus on  
appearance  
and durability**



# PIVOT ARM AWNINGS





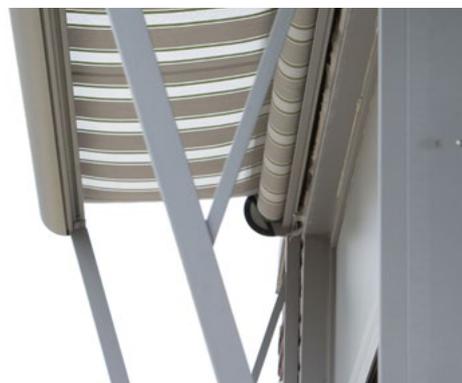
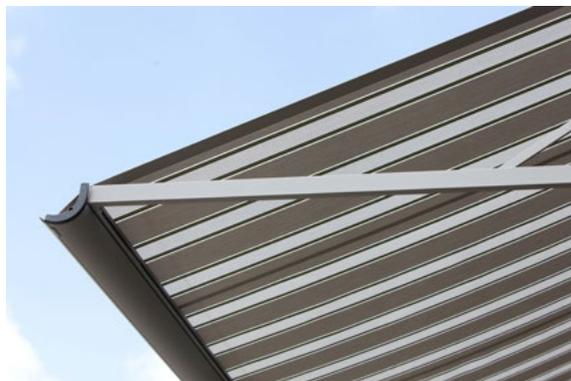
# US701 & US702



Pivot arm awnings keep the heat out whilst still allowing natural daylight in. And you can still look out. These awnings, with a large drop angle but a limited drop, are often used over shop windows, on school buildings and on apartment blocks.

## Unique properties

- Large drop angle of up to 120°
- Extremely wind-resistant
- Fabric is protected against wind and weather in a closed box
- Installation against the façade, on the window or in the opening
- Extensive choice of high-quality fabrics



## DIMENSIONS



### Max. width

5 m (1 section) | 10 m (2 sections)

### Drop

0.9 - 1.95 m

### Max. angle

90 or 120°  
(depending on arm type)

Want more information about our pivot arm awnings?

- [www.harol.com](http://www.harol.com)
- Harol dealer near you



**Harol has  
a solution for  
the wind too**

|||||||

# **SIDE SUN AND WIND AWNING**





# SL400



The retractable SL400 side awning protects you against the wind and sun and provides additional privacy. You can choose from a square or bevelled version. The awning can be fitted on balconies or terraces or as a side awning to complement a folding arm awning, in the matching colour and fabric.

## Unique properties

- Choose from a square or bevelled version
- Manual operation with pull rod
- 'Soft close' for greater ease of use
- Child lock
- Extensive choice of high-quality fabrics
- Perfect complement
- Fabric roll with spring



## DIMENSIONS



Max. height  
2.5 m

Max. width  
4 m

**Want more information about our side sun and wind awnings?**

- [www.harol.com](http://www.harol.com)
- Harol dealer near you

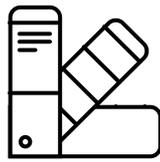






**HAROL**

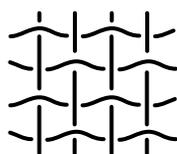
# Why choose Harol?



## Vast range of colours at no extra cost



You can't argue about taste and colours, so we won't. With over 300 colours, Harol's range has something for everyone. Moreover, all RAL colours are included in the price as standard, as are a wide range of textured coating colours. So a Harol sun protection solution will complement your home perfectly. Of course, they are also a perfect match for our other solutions such as roller shutters, terrace awnings and pergolas.



# The perfect fabric for any situation



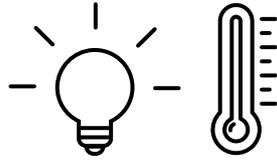
Harol offers the widest range of fabrics in the sun protection market, so you are bound to find the right fabric for your sun protection solution. The type of fabric you need does not just depend on your type of sun protection; you also need to take account of the degree of transparency, the level of UV protection, the colour etc. But whichever choice you make, all our fabrics comply with the strictest demands on outdoor textiles. We extensively test the fabrics (10,000 cycles) for dimensional stability, roll-up and discolouration. They are only included in our fabric range if they pass these tests.

**Want more information about our fabrics?**

- [www.harol.com](http://www.harol.com)
- **Harol dealer** near you



- ✔ **Our own fabric workshop**  
Screen fabrics are welded together with ultrasound for super-tough adhesion. Acrylic fabrics are sewn together and hemmed in our workshop.
- ✔ **Extremely durable**  
Our fabrics are weather and UV resistant. They do not discolour, stretch or tear. They are also treated with a mould-resistant coating.
- ✔ **Low maintenance**  
It is almost impossible for dust to adhere to the fibres of our dust-repellent fabrics, which makes them extremely low-maintenance.
- ✔ **Visual comfort**  
From fabrics that allow sufficient daylight to permeate, to full blackout fabric for rooms where daylight has to be eliminated.
- ✔ **Perfect harmony**  
Our extensive range of fabrics allows you to match all your sun protection solutions with one another and create a stylish and harmonious look.
- ✔ **Printing**  
Our fabrics can also be printed. Ideal for retail and catering businesses.



# Enhance your experience with Lighting and heating



Storelight lighting and/or heating is an ideal addition to your sun protection solution if you love to be cosy. The lighting creates a unique romantic atmosphere in the evening. The heating drives out the cool of the evening so you can enjoy those summer evenings for longer. A combination of both is also possible. And of course you can match the box perfectly to your blind or awning because you have a choice of the full RAL colour range.

## Lighting

- Choose 3 or 4 LED spots (3.5 W)
- Spots can be turned in all directions
- Length: 2.5 or 3.5 metres

## Heating

- Choose a 2000 or 2500 W infra-red heater
- Length: 520, 635, 745 or 860 mm

## Combined lighting & heating

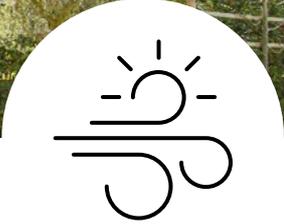
- Lighting: 2 LED spots (3.5 W)
- Heating: 2000 W
- Length: 865 mm

Want more information about our Lighting and heating?



- [www.harol.com](http://www.harol.com)
- Harol dealer near you





# Side wind and sun sensors for peace of mind



**Want more information about automatic operation?**  
→ [www.harol.com](http://www.harol.com)  
→ **Harol dealer** near you



Weather sensors on your sun protection solution mean you no longer have to keep an eye on the weather forecast. The sensors ensure that your awning or blind opens or closes automatically depending on the light intensity or wind speed. Choose a combination of sun and wind sensors for optimum convenience.



### Sun sensor

The sun protection solution is activated by the sun sensor when the set brightness is passed. The sensor can operate wirelessly (IO) so no cables are needed. And the feedback function means you always know what is happening.

### Wind sensor

A wireless or cabled wind sensor opens or closes the awning or blind based on the wind speed. With a folding arm awning, you can also opt for a wireless wind sensor on your awning's extension pole which then adjusts automatically based on the wind movement and speed.

# HAROL

# Why choose Harol? This is why!

## ✔ 100 % guaranteed quality

Harol evolved from a small family-run company in Diest into one of the most pioneering manufacturers of sun protection and outdoor living solutions, roller shutters and garage doors in Europe. From a pioneer to the benchmark. Harol produces pure Belgian craftsmanship with an eye for detail down to the last millimetre. With over 70 years of experience in the field, we ensure that our solutions meet the most stringent quality requirements. That is why we are proud to be able to offer a five-year warranty.

## ✔ Installation by experts

Harol distributors are required to undergo practical training in our own Harol Academy to keep up with all the innovations and to keep their product knowledge up-to-date. This enables them to advise you on the right choice of product and to install the chosen solution properly.

# HAROL

## ACADEMY

## ✔ Extremely durable

Make clear savings on your energy bills with HAROL's energy-efficient solutions. Our solutions keep abreast of the increasingly stringent energy consumption requirements. The innovative elements we incorporate are the ideal solution for shutting out sun and cold. For maximum efficiency, our solutions may be programmed to respond to the many variable weather conditions.



## ✔ Made-to-measure sun protection

Harol supplies 100% made-to-measure solutions in which every detail counts. Our sun protection solutions can therefore be perfectly tailored to your wishes.

→ A solution for any construction project: new-build or renovation, house or apartment, with a balcony or terrace, sleek or rustic...

- Choose from over 300 RAL colours and a wide range of scratch-resistant textured coatings
- Wide range of options for maximum comfort: lighting, heating, automation

## ✔ Ease of operation

All Harol solutions are made to make your life easier. Our sun protection solutions are available with motor and remote control. This allows you

to enjoy our high-quality products at the press of a button - and with your smartphone, it doesn't matter where you are.

## ✔ Full service from start to finish

Our Harol distributors are there for you. And after installation, so is our service department because the right maintenance tips will allow you to enjoy your Harol solution for years to come.

- Advice on the right choice of product
- 100% made-to-measure
- Installation by experts
- After-sales service
- 5-year quality warranty

# HAROL



### Want more information?

- [www.harol.com](http://www.harol.com)
- Harol dealer near you



**HAROL**



**Outstanding enjoyment indoors and out**

Find your nearest Harol dealer at [www.harol.com](http://www.harol.com)

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