

# FACADE BLINDS



**HELLA**

PRODUCTS  
AND  
INNOVATIONS  
OF THE  
**HELLA** GROUP

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# FACADE BLINDS

THE PERFECT  
PROTECTION AGAINST  
**LIGHT AND HEAT**

LIGHT AND SHADE – INDIVIDUAL

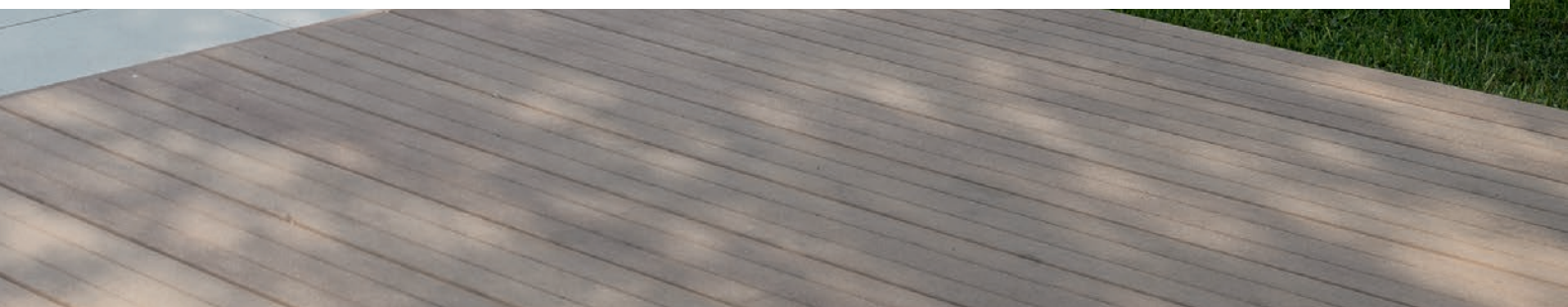
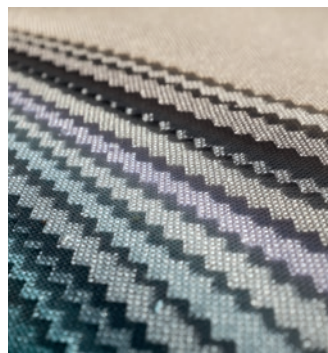
A FACADE BLIND IS  
TEXTILE ARCHITECTURE  
THAT SETS ACCENTS  
AND CREATES COMFORT.





**For interior designers the textile sun protection is a design element with charm and functionality.**

High climate and light comfort in perfect workmanship and with many design options.

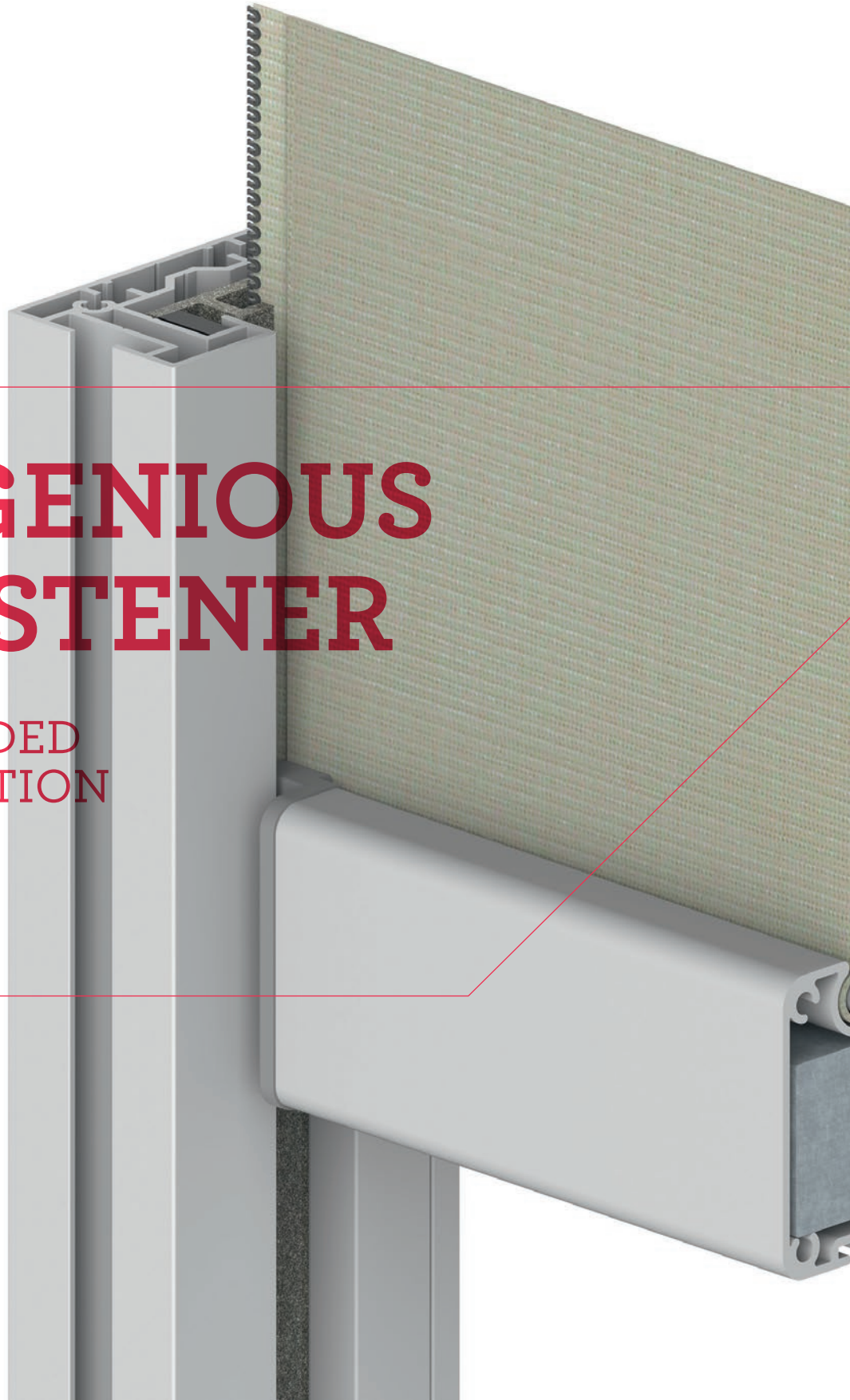


## SHADING AS IF ON RAILS

The side seam guided system from HELLA is a welded-on or sewed-on ultra-stable zip-fastener that guides the cover exactly und stably in the two-part guide rail. Even at high wind forces (wind resistance class 3 according to DIN EN 13561) nothing flutters.

# AN INGENUOUS ZIP-FASTENER

SIDE SEAM GUIDED  
GLARE PROTECTION





Precise guiding of the cover via plastic zipper guiding on the inside



**Side seam guided glare protection**  
available for the models  
VB 107, VB 207, VB 507 and VB 507 Recess



High wind stability in all positions of the front rail due to the direct connection between cover and guide rail



The zip fastener welded-on over the complete height of the cover holds it tight. Also available for distance mounting.



**PRECISE  
GUIDING OF THE  
BLIND**

# FRONT-MOUNTED BLINDS

TEXTILE ARCHITECTURE FOR NEW  
AND EXISTING BUILDINGS



**HELLA Front-mounted blinds** - perfectly suitable for special sun protection requirements on vertical facades and window surfaces with modern architectural elements. Models are available with semi-circular or square designed boxes or with boxes that are especially designed to suit the requirements of recess installation.



**VB 101/201/401**  
Rail guiding



**VB 102/202**  
Rail guiding  
with sloping projection unit



**VB 103/203**  
Cable guiding



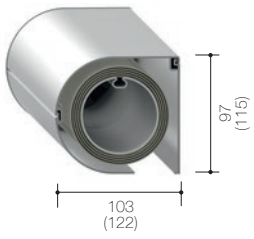
**VB 105/205**  
Drop-arm awning



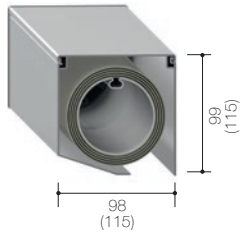
**VB 107/207/507**  
Side-seam guided  
glare protection

Limit sizes	VB 101/201	VB 401	VB 102/202	VB 103/203	VB 105/205	VB 107/207/507	VB 507 KG 130 square	VB 507 Recess
Maximum width [mm]	3500	2500	3000	3000	3000	4000	5000	3500
Maximum height [mm]	4500	2800	4500	3000	1200	4500	4500	4500
Maximum surface [m <sup>2</sup> ]	9	6	9	9	3,6	12	12	12

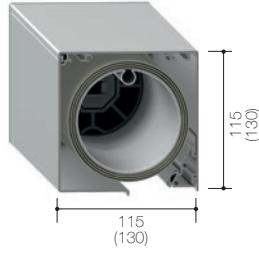




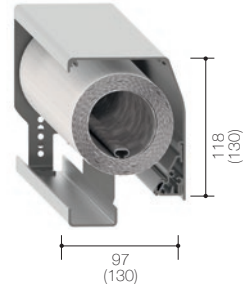
**VB 101/102/103/105/107**  
Semi-circular



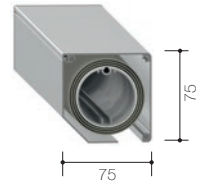
**VB 201/202/203/205/207**  
square/slanted



**VB 507**  
square or round



**VB 507 Recess**  
Square



**VB 401**  
square/slanted 45°





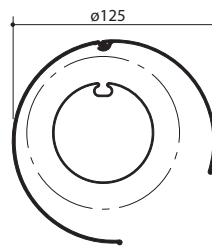
# FACADE AWNINGS

## GEOMETRIC CLARITY AND STRUCTURAL FLEXIBILITY

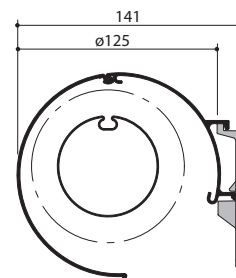
Geometric clarity and structural flexibility are strong points of HELLA's facade awnings; they are mounted directly to the facade whereby a certain distance to the windows must be maintained. Therefore, it is possible to perfectly shade large areas. Various fastening options allow for easy installation in nearly every constructional situation. FM 200 sets striking accents with its round design.



**FM 200**  
Round



FM 201/FM 202



FM 203



**FM 201**  
Rail guiding



**FM 202**  
Rail guiding  
with sloping projection unit



**FM 203**  
Cable guiding

Limit sizes	FM 201	FM 202	FM 203
Maximum width [mm]	3500	3000	3000
Maximum height [mm]	4500	4500	3000
Maximum surface [m <sup>2</sup> ]	9	9	9

# VERTICAL AWNINGS

## PERFECT HEAT AND GLARE PROTECTION FOR LARGE SURFACES

The vertical awning from HELLA functions like a second building envelope, thus provides a perfect heat and glare protection. It reflects the sun rays, masters the shading of large surfaces at sports facilities or public buildings and is perfectly suitable for offices with display work stations. This vertical awning is an architecturally attractive design element as the brackets can be mounted towards the top or the rear. Therefore, they are nearly invisible to the outside world.

Limit sizes	SM 101	SM 102	SM 103	SM 103
			Installation on the outside	Installation on the inside
Maximum width [mm]	3500	3000	5000	5000
Maximum height [mm]	4500	4500	3000	4000
Maximum surface [m <sup>2</sup> ]	9	9	9	20



**INDIVIDUAL  
SUN PROTECTION  
CAN BE SO BEAUTIFUL**



**SM 101**  
Vertical awning  
with rail guiding



**SM 102**  
Vertical awning  
with rail guiding  
and sloping projection unit



**SM 103**  
Vertical awning  
with cable guiding



Mounting bracket  
mounted towards the back

Strainer clamp  
mounted towards the back



Mounting bracket  
mounted towards the top

Strainer clamp  
mounted laterally










Mounting bracket  
mounted towards the top

Tensioning shoe  
mounted towards the bottom

# OVERVIEW

ANY SHAPE AND ANY SIZE

	01 Guide rail	02 Rail guiding with sloping projection unit	03 Cable guiding	05 Drop arm	07 Side seam guided	Box shape
VB 100	■	■	■	■	■	semi-circular 
VB 200	■	■	■	■	■	square/slanted 
VB 400	■					square/ slanted, especially small 
VB 507 square					■	square 
VB 507 round					■	round 
VB 507 Recess					■	
FM 200	■	■	■			round 
SM	■	■	■			



## BOX SIZES

Limit sizes	Height [mm]	Depth [mm]
<b>VB 101/102</b>	97 (115)	103 (122)
<b>VB 103/105</b>	97	103
<b>VB 107</b>	97 (115)	103 (122)
<b>VB 201/202</b>	99 (115)	98 (115)
<b>VB 203/205</b>	99	98
<b>VB 207</b>	99 (115)	98 (115)

Type	Height [mm]	Depth [mm]
<b>VB 401</b>	75	75
<b>VB 507 square</b>	115 (130)	115 (130)
<b>VB 507 round</b>	130	130
<b>VB 507 Recess</b>	118 (130)	97 (130)
<b>FM 200</b>		125 (diameter)
<b>SM</b>	100	116





# ONYX<sup>®</sup>

## THE SMART HOME SYSTEM FROM HELLA

The Smart Home System ONYX.HOME was specially developed for the operation of sun protection products. Venetian blinds, outdoor blinds, awnings and roller shutters are conveniently controlled via smart phone, tablet, hand-held radio transmitter or even fully automatically.

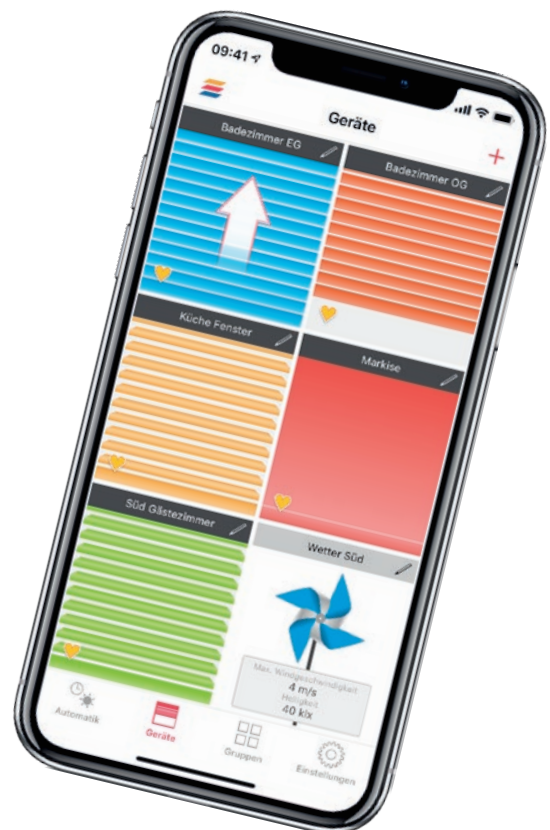
All sun protection products are graphically displayed in the free ONYX<sup>®</sup> app. The position of the sun screen is already visible during control. All products can be visually marked with colours in the app. In addition, it is possible to assign names to each individual cover for easier identification and operation.

Controlling the sun protection products by the pushbutton or the hand-held radio transmitter ONYX.CLICK is also possible. This means that children or guests who do not have access to the app can also operate the sun screen.

### ADVANTAGES

#### Your HELLA benefits for this product:

- Easy configuration: scan and get started
- Live feedback on position and movement of the sun protection product
- Automatic functions are individually adjustable for each sun protection unit (wind/sun/astro/time/twilight)
- Also easy and inexpensive for renovation
- Security through transparent access control
- Routing function for the best possible data transmission due to reliable forwarding of the signals
- Secure encryption between devices and smart phone/tablet
- Operation with hand-held radio transmitter ONYX.CLICK, even without the central unit ONYX.CENTER
- The LED lighting of the awning can be switched on/off or dimmed via the app or the hand-held radio transmitter







**ONYX.CENTER**

The center box serves as an interface between the smart phone and the individual control devices and communicates via a wireless radio connection. It transmits radio commands bidirectionally so that the exact current position of the sun screen is displayed via the live feedback in the app.



**ONYX.CONNECTOR**

The ONYX.CONNECTOR is situated directly at the motor of the sun protection product. It is controlled via the app or the hand-held radio transmitter ONYX.CLICK.



**ONYX.NODE**

The ONYX.NODE is mounted behind the pushbutton in the wall and connected to the motor cable. In this way the sun protection product can be controlled by the pushbutton, the app or the hand-held radio transmitter ONYX.CLICK.



**ONYX.WEATHER**

The weather sensor ONYX.WEATHER logs the external weather influences such as wind speed, sun intensity and temperature on the facade.



**ONYX.CLICK**

ONYX.CLICK is the hand-held radio transmitter for the control of sun protection products. It serves as an extension for the center box ONYX.CENTER, but it can also be used without the box in the stand-alone operation.

**AUTOMATIC FUNCTIONS**

ONYX.HOME has numerous automatic functions that can be set individually for each sun protection product. Running the time and astro programme

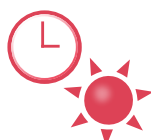
is possible without additional accessories. Wind and sun-based functions require measured data from an ONYX.WEATHER weather sensor.



Sun



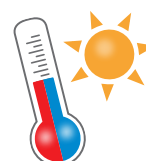
Wind



Time/Astro



Twilight



Temperature on the facade



# THE HELLA COVER COLLECTION

## TECHNICAL FABRICS

FOR SPECIAL REQUIREMENTS FOR HEAT, VISION AND GLARE PROTECTION

### GLASS FIBRE COVER

This fabric consists of glass fibre filaments that are coated with PVC. Due to the weaving structure it appears to have a textile character.

- Excellent heat protection
- Excellent air permeability and view to the outside due to especially smooth yarn surfaces
- The high elasticity and the weaving structure correct the crumpling foldings.
- Different openness factors
- Fire protection class B1 acc. to DIN 4102-1\*
- Large web widths

### POLYESTER COVER PVC-COATED

Fabric made of polyester yarn, pre-stretched in both directions and PVC-coated (Preconstraint process).

- Excellent heat protection thanks to micro ventilation
- Excellent weather and UV resistance
- Wide range of colours
- High form stability and tearing strength
- Large variety of openness factors
- Fire protection class B1 acc. to DIN 4102-1

\* Exception: Glass fibre fabric Copaco Serge 600.

### DARKENING COVER

Available as glass fibre fabric or PVC-coated polyester fabric, each with darkening layer.

- High form stability and tearing strength
- Easy to clean due to the smooth surface
- Long lifespan
- Fire protection class B1 acc. to DIN 4102-1 or M1 acc. to French standard

### POLYESTER COVER

A high-quality fabric from our cover collection, that is both completely made of dope-dyed yarns and 100% free of PVC.

- High form stability and very good resilience
- High tearing strength
- Colours of extraordinary brilliance and intensity

### POLYESTER COVER PVC-FREE

View protection and anti-glare fabrics based on the latest manufacturing technology, that additionally are 100% free of PVC .

- Nice look due to its textile character
- Excellent view to the outside
- Odour-free
- Increased heat protection with aluminised fabrics
- Certain fabrics available with fire protection class B1 acc. to DIN 4102-1.

### ACRYLIC COVER

HELLA acrylic fabrics consist of a 100% dope-dyed branded acrylic fabric and impress especially with their textile character.

- Light and weather resistant
- Highest colour brilliance and colour fastness
- Excellent view protection
- Dirt repelling and resistant to rotting
- Tearproof and durable
- Seven colour worlds
- Quality Lumera with specifically developed fibre, for especially bright colours. In addition the very smooth and dense surface reduces the staining.





# INDOOR CLIMATE

THE PERFECT TEMPERATURE  
FOR YOUR WELL-BEING



## SUMMER

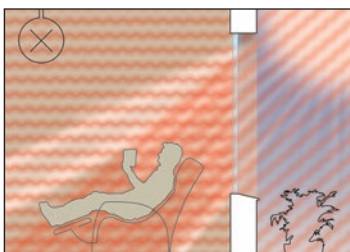
HELLA facade blinds can reduce the effects of high outside temperatures by up to approx. 85 %, depending on the design. You don't need an air-conditioning system anymore to maintain a comfortable cool temperature.

## WINTER

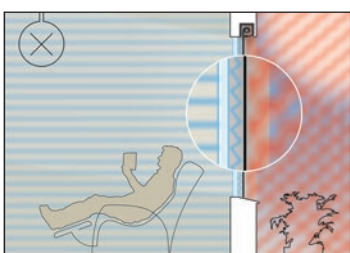
When closed, HELLA facade blinds create a standing air cushion in front of the glass, and therefore prevent the circulation of air. Energy consumption for heating can be lowered by up to 20 %, depending on the product.



## LESS COOLING ENERGY IN SUMMER

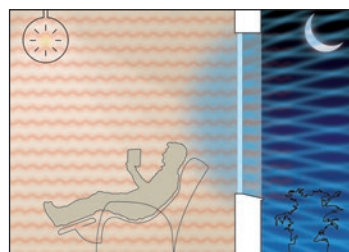


**Without sun protection** heat can enter the living space without hindrance. The temperature inside the room is unpleasantly high.

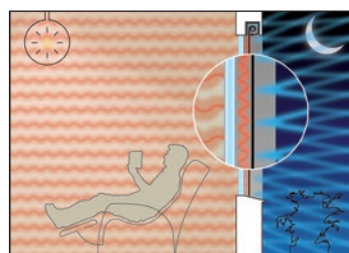


**The air circulation** between the sun protection and the window largely eliminates heat transfer via convection.

## LESS HEATING ENERGY IN WINTER



**Without sun protection the window and glass facade** functions like a thermal bridge when it is cold: The warm air escapes and it becomes unpleasantly chilly in the living area.



**When the sun protection is closed,** an air cushion is created in front of the glass, which prevents the circulation of air. As a result, the warm air stays inside the living area and keeps the cold air outside.



# THE HELLA WORLD

## PARTNERSHIP WITH HANDSHAKE QUALITY

From the first Venetian blind that was produced in East Tyrol in 1959 to the high-tech control devices for the intelligent house of the future, we are driven by only one desire: To develop something really good. Since then the brand HELLA convinces with innovative strength and a large variety of products - all of top quality and perfect function. Today, HELLA is an internationally significant initiator for the development of sustainable systems for sun and weather protection. Whether for a single family home or a large project - we are always close to our customers.

## SAVING ENERGY

Sun protection products are perfect "climate buffers". Box-type windows of former generations used air cushions as climate buffers. Modern sun protection perfected this principle. As a "second pane" they create a highly effective, air-filled climate zone that reliably blocks both heat and cold. Our sun protection products even replace the air conditioner and reduce the energy required. This saves money, protects the environment and improves the indoor climate. For sure a good feeling.



## PRODUCT GROUPS



Outdoor blinds & exterior Venetian blinds



Roller shutters



Awnings



Pergolas



Facade blinds



Conservatory blinds



Interior blinds



Insect screens



Solutions for building shells



Control devices

HELLA  
Facade blinds

[www.hella.info](http://www.hella.info)

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