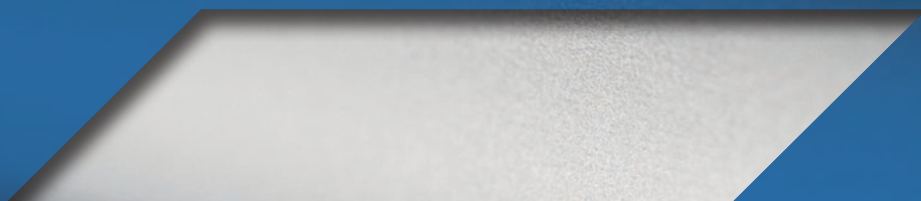
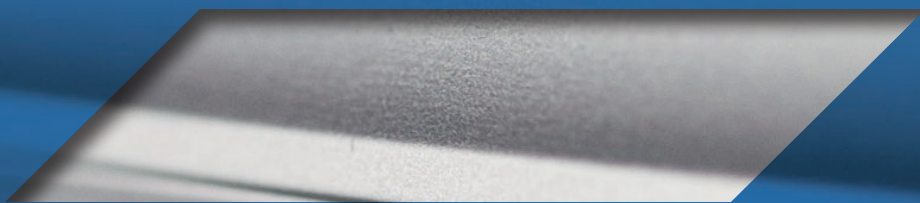


# ROLLER SHUTTERS



**HELLA**

PRODUCTS  
AND  
INNOVATIONS  
OF THE  
**HELLA** GROUP

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<b>Indoor climate</b> The perfect temperature	<b>6</b>	<b>Built-in roller shutters</b> Quality that pays off	<b>12</b>	<b>Guide rails</b> Always in the lead	<b>16</b>	<b>ONYX® control devices</b> The Smart Home System	<b>22</b>
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<b>Plaster base elements</b> Front-mounted roller shutters with plaster base	<b>10</b>	<b>Insect screen systems</b> from HELLA	<b>15</b>	<b>Saving energy sustainably</b> Roller shutter as "climate buffer"	<b>20</b>	<b>HELLA</b>	<b>26</b>

# ROLLER SHUTTERS

MAXIMUM PROTECTION  
INDIVIDUAL LIGHT  
**IDEAL INDOOR CLIMATE**





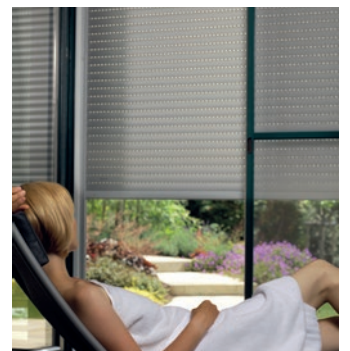


I FEEL COMFORTABLE **AND SAFE.**

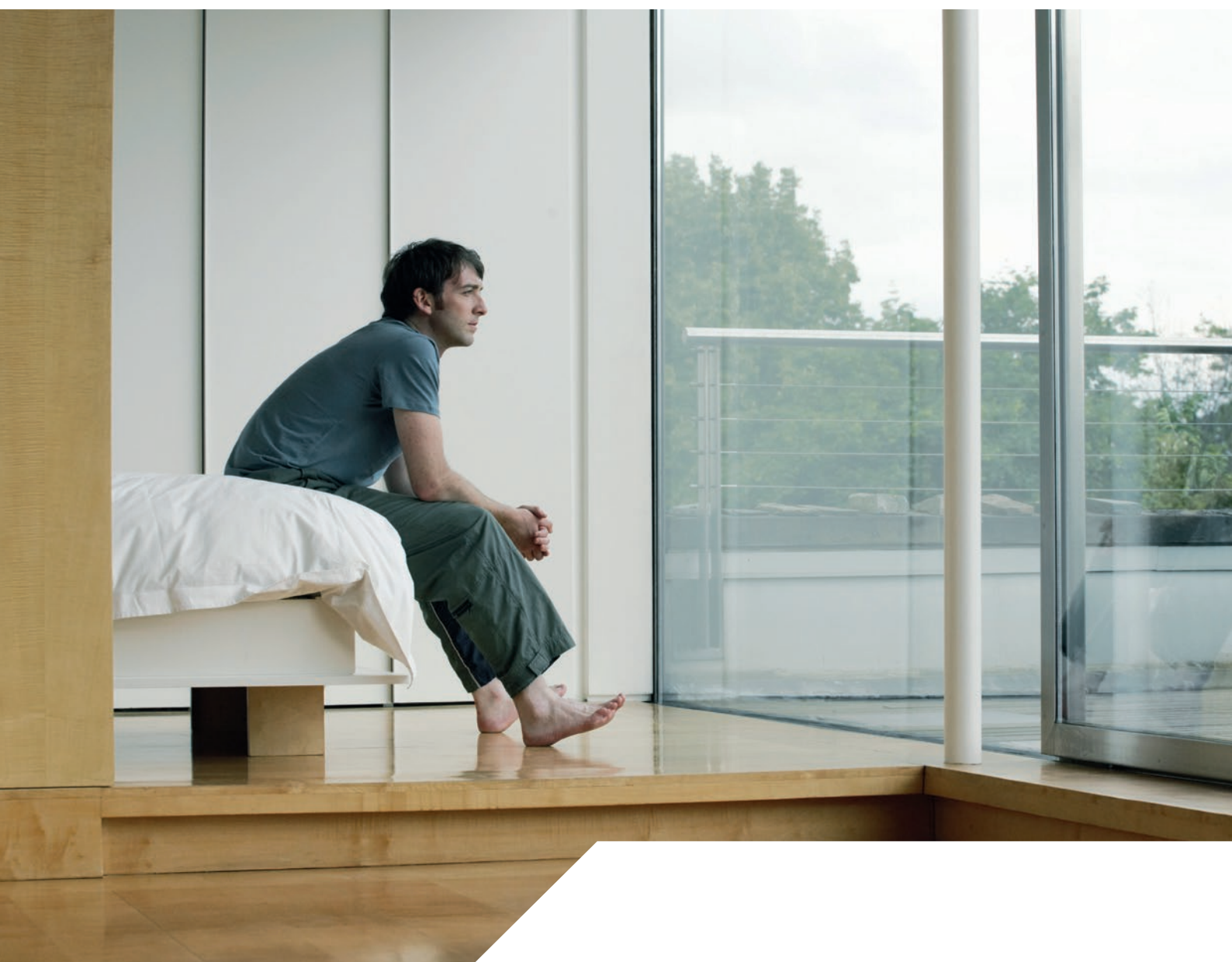
PROTECTED FROM HEAT,  
COLD, LIGHT AND NOISE,  
CURIOUS GLANCES AND  
UNINVITED GUESTS.

**HELLA** adds a new dimension to the  
roller shutter:

Our roller shutters offer perfect  
protection and allow the individ-  
ual control of light and indoor  
climate. We combine safety and  
well-being.



# WELL- BEING





## ADVANTAGES

### Your HELLA benefits for this product:

- Heat and cold remain outdoors.
- Less heating in winter
- Less cooling in summer
- Up to 30 % less energy loss through the window

## THE PERFECT TEMPERATURE FOR YOUR WELL-BEING

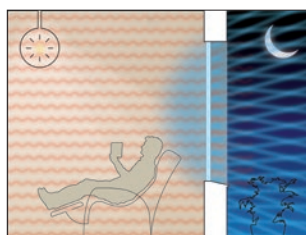
### WINTER

When closed, HELLA roller shutters create an air cushion in front of the glass and thus prevent the circulation of air. This way, a roller shutter reduces the heat loss through the window by up to 30 % and you significantly reduce heating costs.

### SUMMER

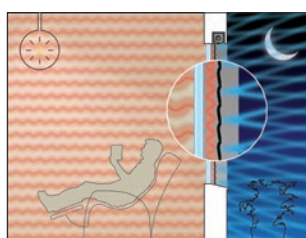
HELLA roller shutters shield up to 85 % of the heat of the sun and often replace an air-conditioning system. Modern daylight roller shutters still allow comforting light to enter the room.

### LESS HEATING ENERGY IN WINTER



#### Without sun protection:

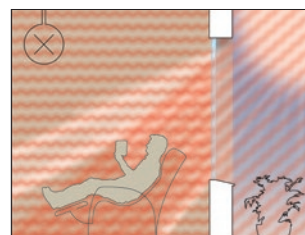
In cold temperatures windows and glass facades function like a thermal bridge: The warm air escapes and it becomes unpleasantly cool in the living area.



#### With sun protection:

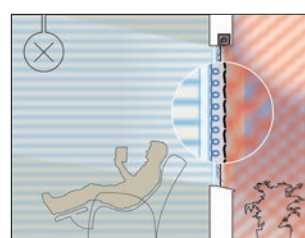
When the sun protection is closed, an air cushion is created in front of the glass, which prevents the circulation of air. As a result, the warm air stays inside the living area and keeps the cold air outside.

### LESS COOLING ENERGY IN SUMMER



#### Without sun protection:

Heat can enter the living space without hindrance. The temperature inside the room is unpleasantly high.



#### With sun protection:

Due to the air circulation between the sun protection and the window, the heat transfer via convection is largely prevented.



## FLEXIBLE AND INDIVIDUAL

Round, square, slanted or quadratic - you can select one of these four different front-mounted roller shutter box shapes suitable for your house. Thanks to intelligent technology, we create unrivalled small boxes, which facilitate the installation and mostly prevents the roller shutter box from being visible from the inside. The genius of this principle is that the roller shutter can be installed

quickly, without problems and functions as a climate buffer like an additional pane. Moreover, all drive types and the upgrade with the insect screen are available for the front-mounted roller shutter.

### nova NVR<sup>1</sup> | NWR<sup>2</sup>

- <sup>1</sup> Square box 27°, roll formed
- <sup>2</sup> Slanted box 45°, roll formed



NVR

### nova NQS<sup>3</sup> | NVS<sup>4</sup> | NWS<sup>5</sup>

- <sup>3</sup> Quadratic box, extruded
- <sup>4</sup> Square box 27°, extruded
- <sup>5</sup> Slanted box 45°, extruded



NQS

### nova NRS<sup>6</sup>

- <sup>6</sup> Round box, extruded



NRS



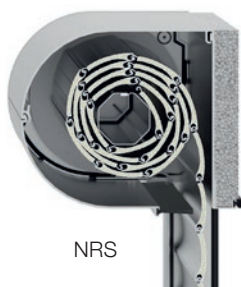


# FRONT-MOUNTED ROLLER SHUTTERS

BY HELLA

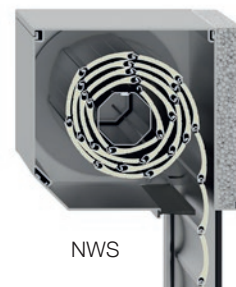
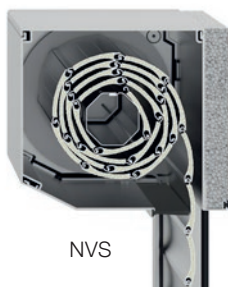
nova  
**NRS<sup>6</sup>**

With insulation



nova  
**NQS<sup>3</sup> | NVS<sup>4</sup> | NWS<sup>5</sup>**

With insulation



# PLASTER BASE ELEMENTS

FRONT-MOUNTED  
ROLLER SHUTTERS  
WITH PLASTER BASE



The plaster base elements technically equal the front-mounted roller shutter. However, they are integrated in the wall and thus no longer visible. The box of the roller shutter is enclosed by a "plaster base". This has great advantages: The box can be perfectly plastered after the installation in the lintel opening and thus can be invisibly and seamlessly integrated into the facade. Additionally the plaster base roller shutter achieves a thermal separation between roller shutter and wall. This avoids thermal bridges and energy loss.

## INVISIBLE ENERGY SAVERS

nova  
PLASTER BASE ELEMENT -  
ALUMINIUM BOX  
**NQPA**

Quadratic box





## ADVANTAGES

Your HELLA benefits for this product:

- Additional insulation
- Thermal separation between roller shutter and wall
- No thermal bridges occur
- Available for all models

Additional  
insulation options  
**Box**

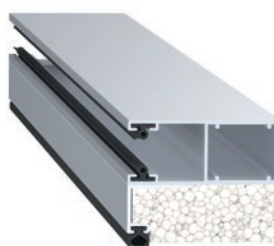


+ 20 mm EPS 30



+ 40 mm EPS 30

Additional  
insulation options  
**Guide rail**



20 mm insulation



40 mm insulation



## QUALITY THAT PAYS OFF

Built-in roller shutters are profitable in several ways for architects and builders: They save time and costs during construction, but also with further maintenance tasks. As a standard, HELLA installs a telescopic shaft that guarantees easy service.

The structural benefits of an uncompromising integration of the sun protection in the wall are excellent. There are no weak spots, boxes and guide rails are installed flush, the energy efficiency and the versatility of the solutions are captivating. Top-mounted or in the window lintel, maintainable

from the in- and outside, with integrated insect screen, toggle catches and intelligent controls – built-in roller shutters can do a lot and are unrivalled as "climate buffers".





# BUILT-IN ROLLER SHUTTERS

BY HELLA

## ADVANTAGES

**Your HELLA benefits for this product:**

- Can also be installed in already existing recesses or niches.
- Saves time and costs for construction and maintenance.
- High energy efficiency due to perfect integration into the wall.

### BUILT-IN ROLLER SHUTTER IN THE **TRAV® Aktiv**

with optional insect screen



### BUILT-IN ROLLER SHUTTER IN THE **TRAV® frame**

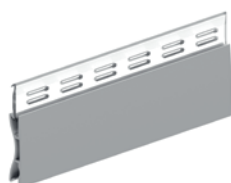
with optional insect roller screen



# SHOW SOME PROFILE!

## DAYLIGHT PROFILE – INDIVIDUAL ADJUSTMENT

The diffuse intermediate profiles enable a streak-free incidence of light while protecting your privacy. Heat, cold and noise remain outdoors!



**T37**

## THE RIGHT ROLLER SHUTTER FOR EVERY SITUATION

Besides the installation type, the selected roller shutter profile determines the specific characteristics of a HELLA roller shutter. The shape, the construction and the material of our profiles are the result of intensive research and decades of experience. In general all roller shutters offer protection and save energy for heating and cooling.

## ALUMINIUM PROFILES – THE CLASSICS

The hollow space of the double-walled, roll formed aluminium profile with light gaps is foamed with polyurethane. The profiles are coated with thick lacquer, the blind is locked over the entire height.



**A37**



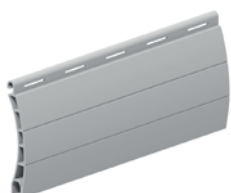
**AV42**



**A52**

## PLASTIC PROFILES – THE FUSS-FREE ONES

The double-walled plastic profile – the tried and tested and sturdy classic.



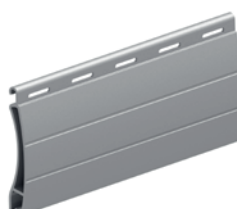
**K37**



**K52**

## SAFETY PROFILE – THE LOCKED ONE

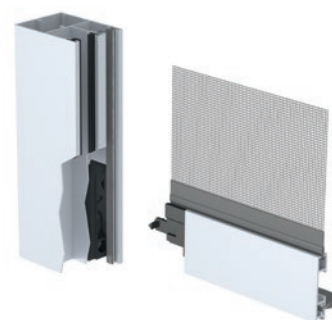
The double-walled, extruded and extremely stable aluminium profile (37x8.5 mm) with light gaps is foam-free and is characterized by the especially thick profile. The profiles are coated with thick lacquer, the blind is locked over the entire height.



**S37**

Limit sizes	T37	A37	AV42	A52	K37	K52	S37
Max. width [mm]	2500	3000	3500	4000	1800	2300	2500
Max. height [mm]	2300	4000	4000	4000	3000	3000	3000
Max. surface [m²]	5	7.5	8	10	3.1	4.5	6.5
Profile thickness [mm]	8.5	8.2	9.3	13	8.2	14	8.5
Covering width [mm]	38.4	37	42	52	37	52	37
Weight [kg per m²]	9.05	2.6	2.85	3	3	3.5	7





Easy-Click

# INSECT SCREEN SYSTEMS

BY HELLA

moscita

## INSECT ROLLER SCREEN

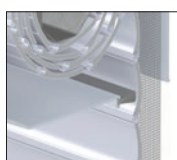
The moscita roller screen made of weatherproof plastic-coated fibre-glass offers reliable protection against insects. The system is provided with an Easy-Click lock and retrofitting is also possible with existing roller shutter boxes.

## ISTR

The ISTR is an insect roller screen that is completely integrated in the lintel box. Brushes in the guide rails prevent insects from getting behind the fabric.

## ISKTR

The ISKTR is an insect roller screen for the installation in a lintel system. Like the ISTR it is safely guided with brush seals in guide rails behind the roller shutter.



Box sealing brush

Insect roller screen integrated  
in the roller shutter box



ISTR with Easy-Click



Built-in roller shutter  
with insect screen  
in the lintel system TRAV®Aktiv plus



Profiles and guide rails form an inseparable unit. HELLA guide rails expand the overall system of individual roller shutter solutions by other important functions.

- **Saving energy:**  
Guide rails with additional insulation
- **Burglary protection:**  
Safety guide rail "Top-Safe"
- **Insect screen:**  
Multi-function guide rail

The safety roller shutter has a reinforced guide rail with a unique screwing technology. The energy saving roller shutter has a guide rail with distancing in order to achieve an air cushion as large as possible between the window pane and the roller shutter and an additional insulation body to avoid thermal bridges. The insect screen guide rail has a second guide level for the insect screen.



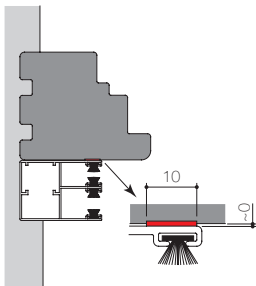
# ALWAYS IN THE LEAD

## EASY TO MAINTAIN END ROD

Thanks to the rotating, telescopic stoppers, the roller shutter curtain can be uninstalled at any time. With this system repair work becomes a cinch. Modifications like installing the insect roller screen can thus easily be carried out.



## TIGHTNESS AGAINST DRIVING RAIN\* FOR GUIDE RAILS



An affixed sealing tape forms a seal between the guide rail and the mounting base. This way, your doors and windows are perfectly protected against seeping rain water.

## DISTANCE GUIDE RAILS STANDARD | WITH ADDITIONAL INSULATION



The distance between window and roller shutter creates an air cushion that functions as a climate buffer and noise insulation.



20 mm insulation



40 mm insulation

\* available with built-in roller shutters and plaster base elements



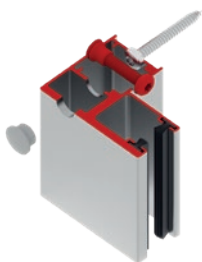


HELLA roller shutter systems are high-quality and durable overall solutions tailored to your individual needs.

## nova **TOGGLE CATCH** FOR FRONT-MOUNTED AND BUILT-IN ROLLER SHUTTER

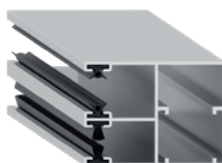
The toggle catch provides perfect view and sun protection, combined with both controlled entry of light and ventilation. The toggle catch can be operated from the inside and is equipped with a sealed chain drive. It is available either with a pneumatic spring mechanism or a slidable lattice grate.

### SAFETY GUIDE RAIL



Reinforced safety guide rail with additional safety device against removal

### INSECT SCREEN GUIDE RAIL



Handy, nice and sturdy: integrated protection against teasers.



# SAFE AT HOME





## Top-Safe NVS-TS

Safety roller shutter



## SAFE AND ROBUST

Reliable protection against uninvited guests and maximum convenience with the operation – the Top-Safe is a roller shutter that offers safety at the push of a button. It can be controlled via the HELLA building control or radio. It has a roller shutter curtain made of extruded aluminium and reinforced guide rails with a safety device against removal.

## BENEFITS

### Your HELLA benefits for this product:

- Patented lift-up protection
- Double neoprene and steel insert in the end rod
- Stable guide rails with safety device against removal
- Roller shutter curtain made of reinforced, extruded aluminium

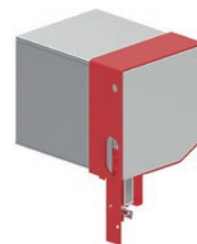
## SAFETY COMPONENTS



Lift-up protection



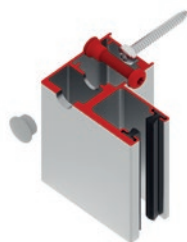
Security roller shutter profile



Box strengthening bracket  
against removal of the box



Strengthened end rod  
with double neoprene and steel insert



Reinforced security guide rail  
with safety device against removal



A photograph of a person sitting on a grassy lawn in a park. The person's legs, wearing blue jeans, are visible in the foreground. The background is filled with lush green trees and a clear blue sky. The sun is visible on the right side, creating a bright glow and lens flare. The word "SUSTAIN" is written in large, white, serif capital letters across the middle of the image.

# SUSTAIN

The principle is not new. Box-type windows of former generations used air cushions as climate buffers. Modern roller shutters perfect this principle. As a "third pane" they create a highly effective, air-filled climate zone that reliably blocks both heat and cold. Our roller shutters are efficient climate buffers that sometimes replace heating and air-conditioning systems completely, in any case, however, lower the energy demand significantly. This saves money, protects the environment and improves the indoor climate. For sure a good feeling.





# SAVING ENERGY

Roller shutters are perfect "climate buffers".

Don't pour your money down the drain!  
You protect the environment and feel comfortable.

ABLE





# 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 automatic.

Controlling the sun protection products via pushbutton or the hand-held radio transmitter ONYX.CLICK is also possible. This gives children or guests, who have no access to the app, the possibility to operate the sun protection product.

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 for each individual cover for easier identification and operation.

### ADVANTAGES

#### Your HELLA benefits for this product:

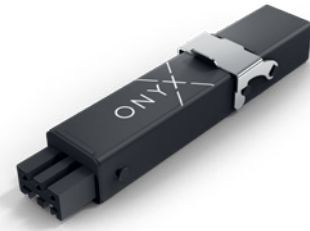
- Easy configuration: scan and get started
- Live feedback on position and movement of the sun protection product
- Automatic functions are individually adjustable for each sun protection unit (wind/sun/astro/time/twilight)
- Also easy and inexpensive for renovation
- Security through transparent access control
- Routing function for the best possible data transmission due to reliable forwarding of the signals
- Secure encryption between devices and smartphone/tablet





**ONYX.CENTER**

The center box serves as an interface between 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 next to 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 via 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 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



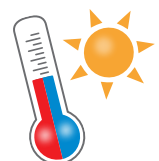
Wind



Time/Astro



Twilight



Temperature on the facade

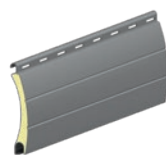
# COLOURS FOR ROLLER SHUTTER PROFILES



RAL 9016  
Normal white



RAL 9006  
White-aluminium



RAL 9007  
Grey-aluminium



RAL 7035  
Light grey



RAL 1015  
Light ivory



Colour no. 6104  
Light oak



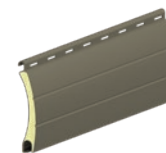
RAL 7038  
Agate grey



Colour no. 0003  
Beige



VSR 0110  
Dark beige



VSR 0780  
Bronze





Good design is the combination of shape and function, technical perfection and visual aesthetics. HELLA roller shutters are available in a wide range of colours, colourful as life itself. Colours are emotions and reflect the style of buildings and rooms. Whatever a building shall express, howsoever the personal preference is pronounced – we have the roller shutter that suits the architecture and the attitude towards life of our customers.



Colour no. 6105  
Golden oak



Colour no. 0011  
Mahogany



RAL 8014  
Sepia brown



VSR 0330  
Purple red



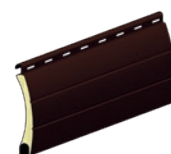
RAL 6005  
Moss green



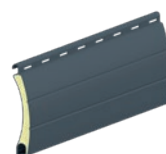
RAL 7016  
Anthracite-grey



Colour no. 0044  
Walnut



RAL 8077  
Dark brown



DB 703  
Anthracite Iron mica

For technical reasons, slight deviations of the colours shown to the original colours are possible. Because of different procedures in the production, colour differences due to different profile materials cannot be avoided. Likewise, colour tolerances cannot be ruled out.





**The long-established company HELLA**

is one of the leading European manufacturers of sun and weather protection systems and stands for functional innovations, visionary design and maximum customer benefit. The world of sun and weather protection is constantly changing due to numerous patented developments.

**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.



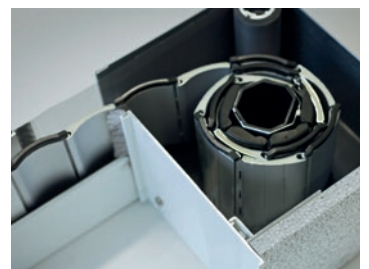
HELLA is always an original - innovative and made-to-last.

HELLA has created new standards through ground-breaking technologies. Our products have the quality of the original product. They are sophisticated and sustainable and produced in modern, environmentally friendly plants.

# PARTNERSHIP WITH HANDSHAKE QUALITY

## Your HELLA benefits

- Perfect support due to many specialist shops and selected retail partners
- High-quality expert advice from qualified sales assistants
- Best price-performance ratio
- Service provided by trained technicians
- Comprehensive guarantees
- Finest product quality due to development and production at our own premises
- Ecologically oriented quality with maximisation of energy savings
- Successful since 1959



HELLA  
Roller shutters

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

