



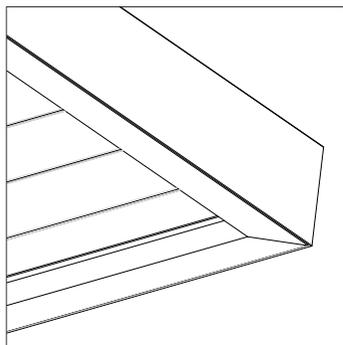
## **HELYOS LIBERTY**

**TECHNICAL SHEET | EN**

**REV. 0 | 2014**

**Corradi**  
OUTDOOR LIVING SPACE

# HELYOS LIBERTY FEATURES



HELYOS LIBERTY has an innovative cover comprising electrically movable aluminium blades, enabling the user to regulate light intensity and ventilation based on personal requirements.

This version is designed to be rested on top or embedded inside existing or purpose-built supporting structures; it is mainly designed to be used flat; it can also be used on top of structures with a maximum slope of 10°.

HELYOS LIBERTY is a cover that guarantees excellent levels of robustness in inclement weather: perfect

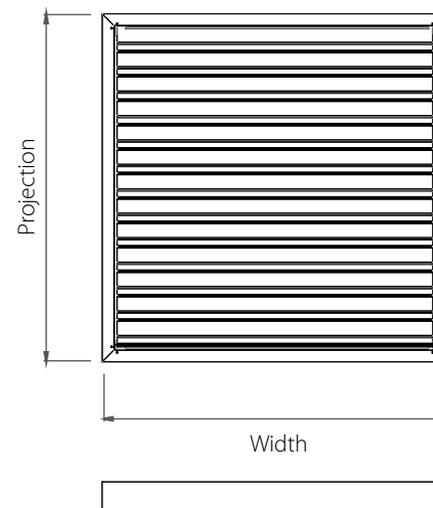
protection against rain; load resistance applied on top of cover up to 66 Kg/ m<sup>2</sup>; wind resistance up to 117 kmh (class 11 Beaufort scale).

HELYOS LIBERTY is made of aluminium and stainless steel, which provide high resistance to oxidation and aggression from atmospheric agents, even when sited in exposed locations.

The attention to aesthetic details makes HELYOS LIBERTY an exclusive product capable of meeting the highest requirements. The structure is available in: white, anthracite, RAL 1014, RAL 1019 and RAL 7032. The main features of HELYOS are as follows:

- shape and dimensions of the blade profile: convex to guarantee rigidity and above average load resistance; conduits to collect and drain rain water; cavities to collect water and dirt while blades vertical; blades fitted with water-tight seal with side drainage channels.
- compact dimensions, considering: standard motor drive operated from remote control, larger blades movable up to 120° from horizontal position.

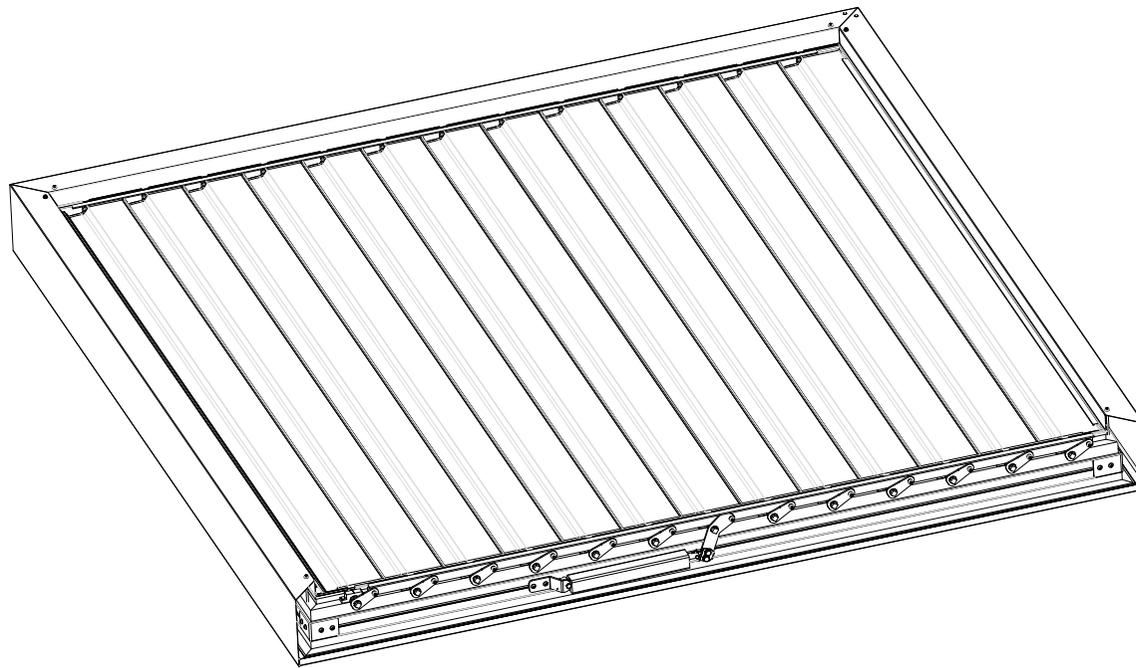
*For fabric colours see the Corradi samples collection.*



## MAXIMUM DIMENSIONS CM

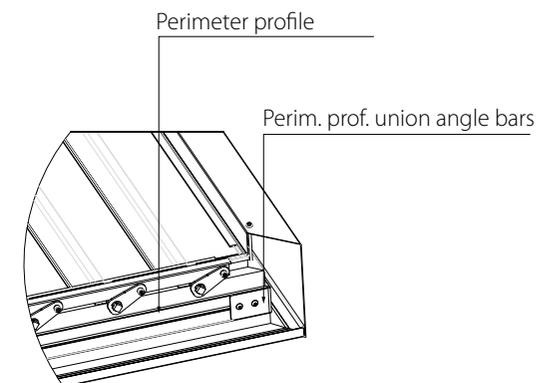
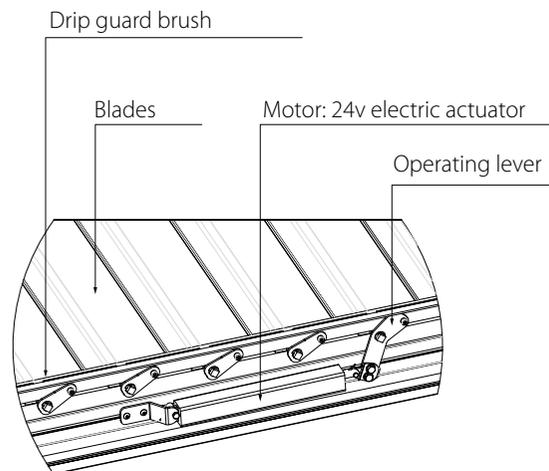
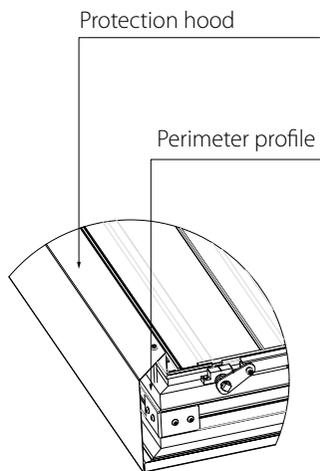
	<i>Projection</i>	<i>Width</i>
single module	591	400

# HELYOS LIBERTY MOTOR CHARACTERISTICS

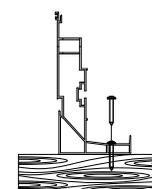
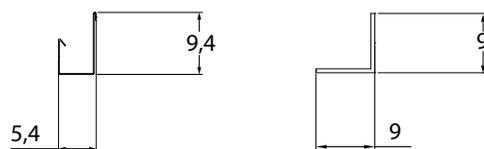
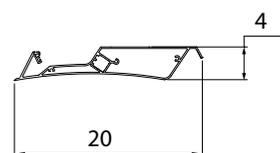
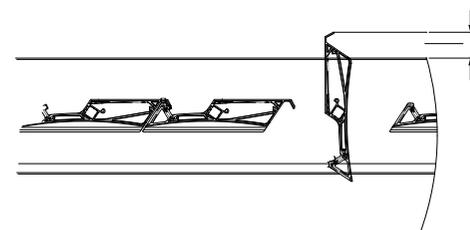
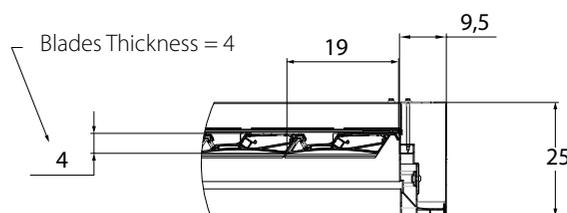
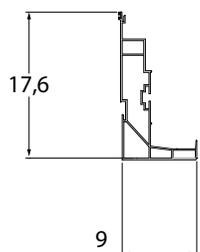
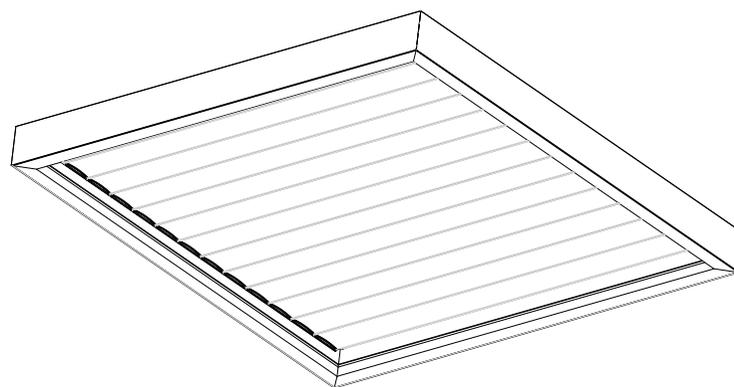
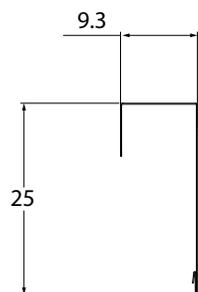


## ELECTRIC CYLINDER

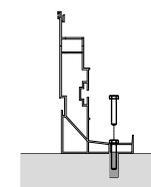
- Max thrust and tensile stress. = 800 N
- Max seal (not powered) = 600 N
- Speed: 15 mm/sec
- Travel: 150 mm
- Protection rating: IP 54
- Power supply: 24 VDC
- Intermediate limit stops: none



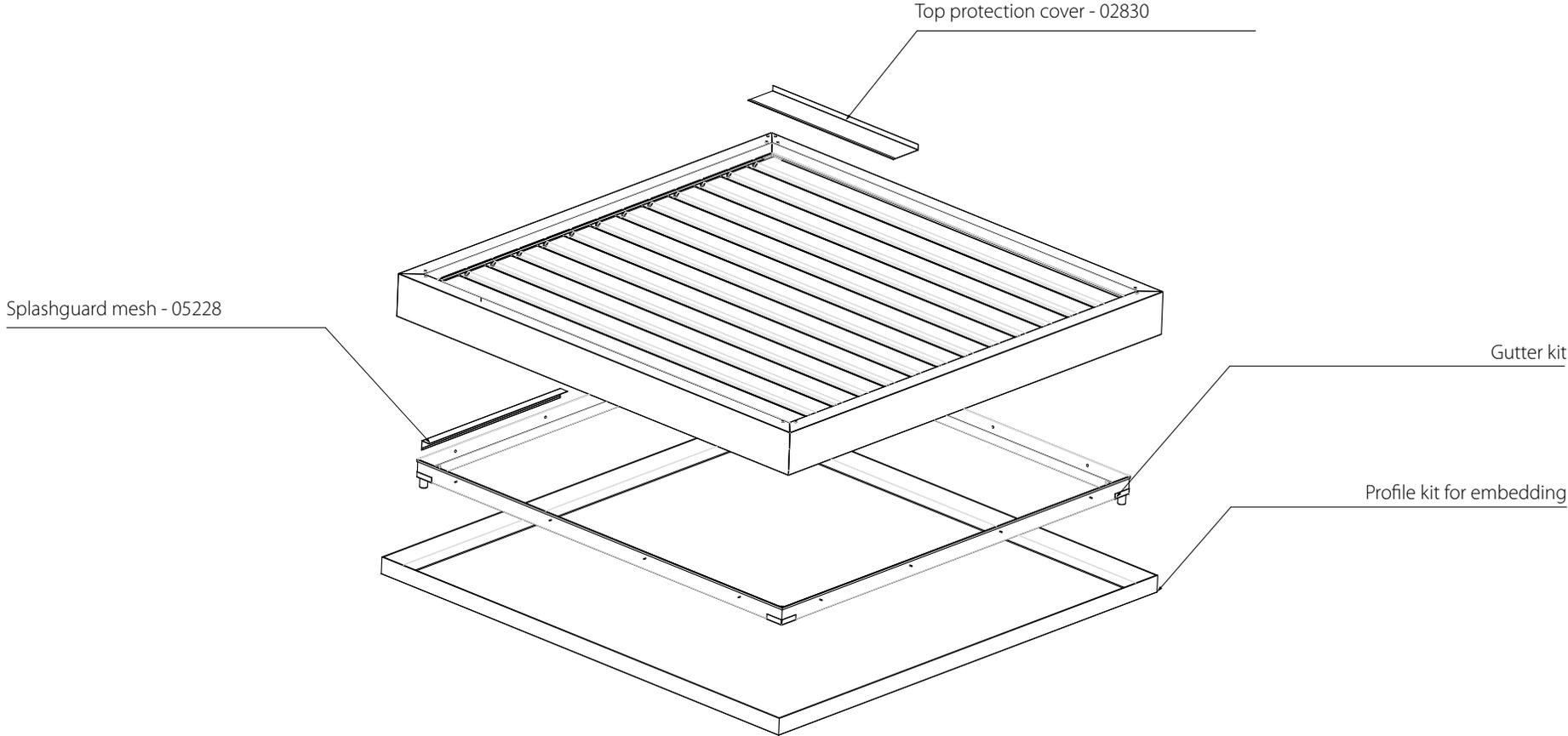
# HELYOS LIBERTY ENCUMBRANCE AND FASTENING STANDARD VERSION



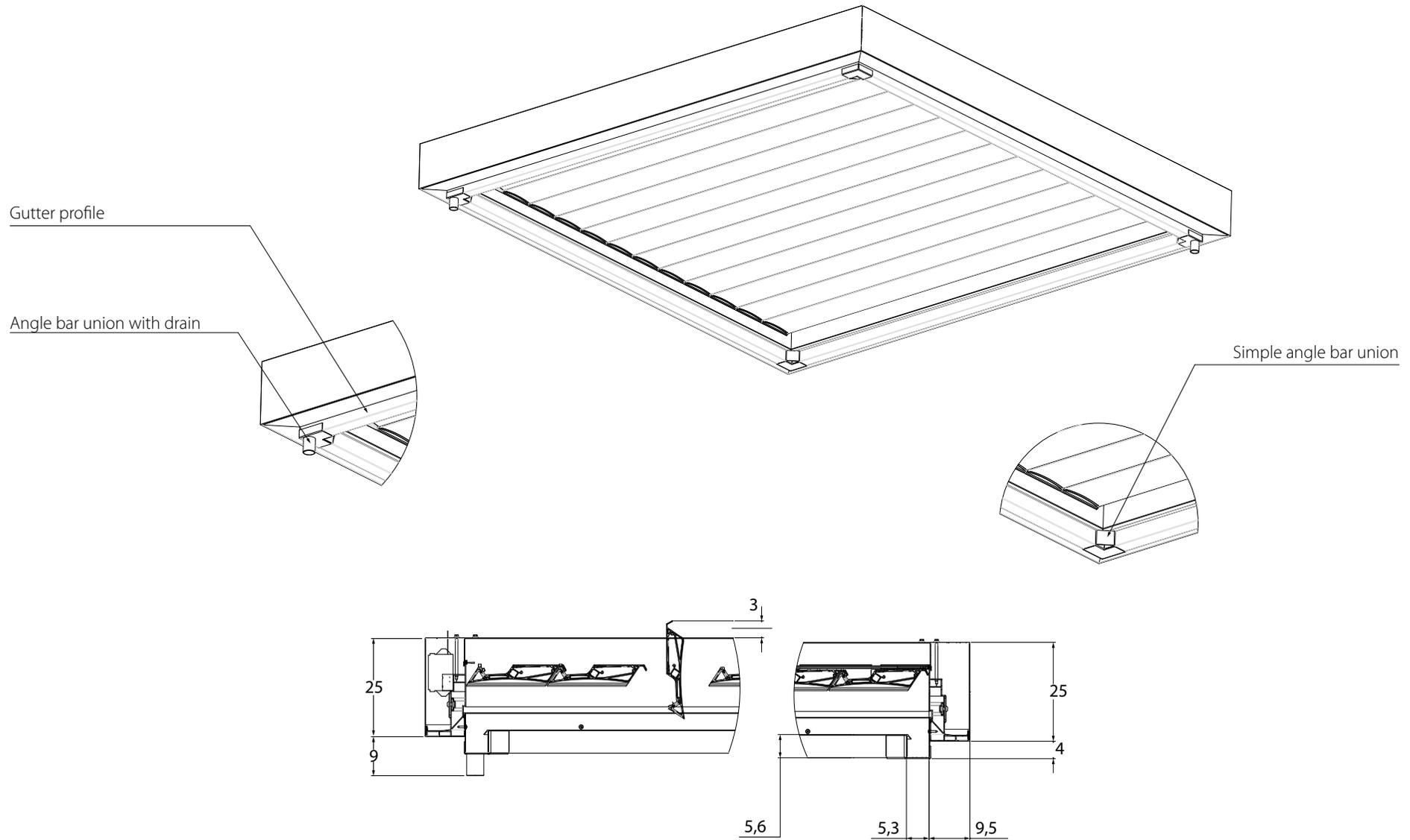
VERSION RESTED ON WOOD



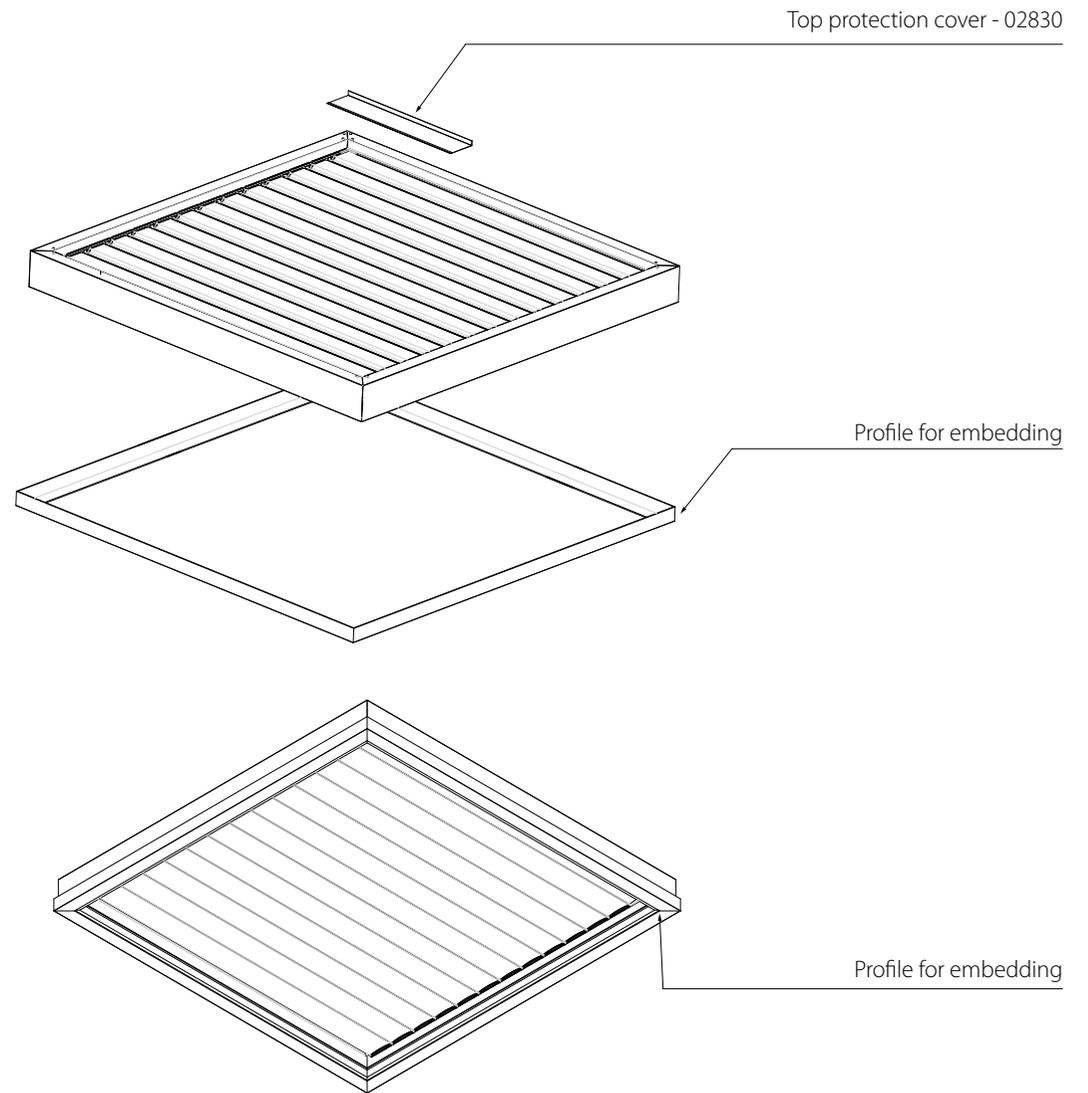
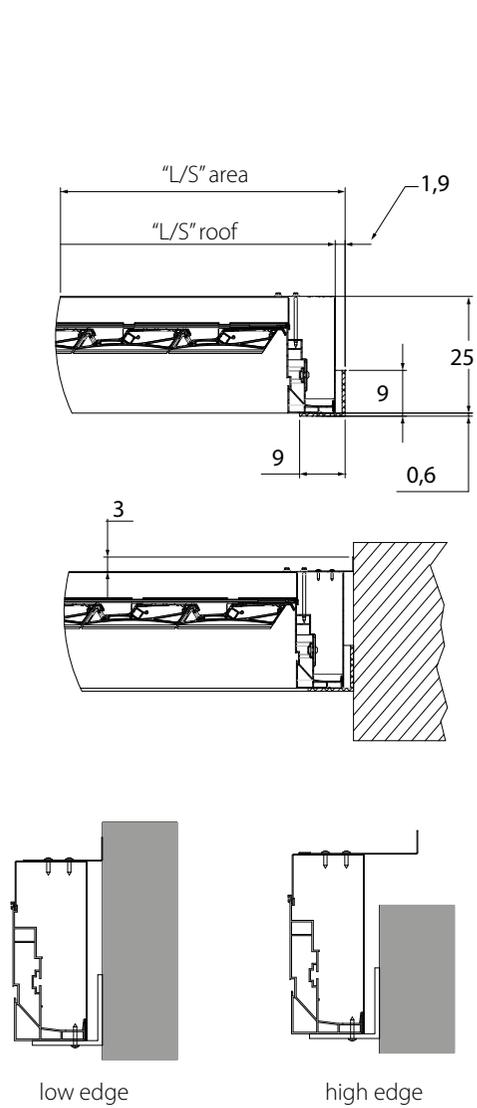
VERSION RESTED ON CONCRETE



# HELYOS LIBERTY ACCESSORIES: GUTTER

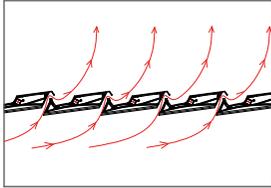


# HELYOS LIBERTY ACCESSORIES: PROFILE FOR EMBEDDING



# HELYOS LIBERTY

## PRODUCT USAGE ACCORDING TO SEASON

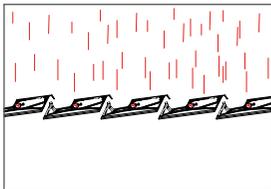


### SEMI-CLOSED POSITION:

- **SUMMER:** enables maximum shading with ventilation of the area beneath and consequent temperature reduction.

### - AUTUMN - WINTER:

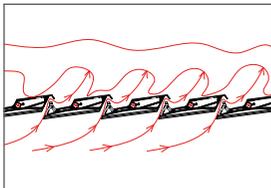
reduces condensation and humidity beneath the cover to a minimum.



### SEMI-CLOSED POSITION:

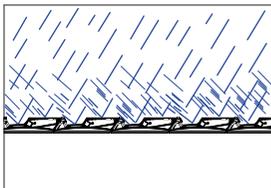
- **SUMMER:** shelters from the rain and enables ventilation of the area beneath and consequent humidity and temperature reduction; reduces condensation on the side walls and top.

Once it has stopped raining, the blades can be turned to almost vertical position without the risk of residual water falling into the covered surface.



### SEMI-CLOSED POSITION:

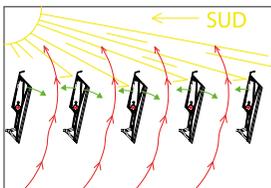
- **WINTER:** activating ventilated heating beneath the cover reduces snow accumulation, avoiding the risk of overloads and safeguarding strength and functionality;



### CLOSED POSITION:

- **AUTUMN - WINTER:** in the event of heavy showers, close the cover completely to avoid infiltrations caused by bouncing raindrops.

- **SUMMER:** if the area beneath the cover is ventilated or closed at the sides and cooled by an air conditioning system, maximum shading and comfort is assured.

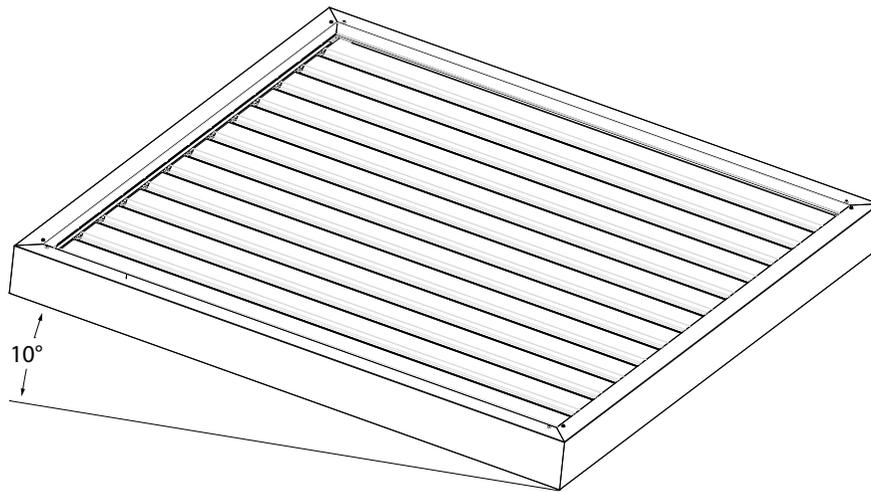


### OPEN POSITION:

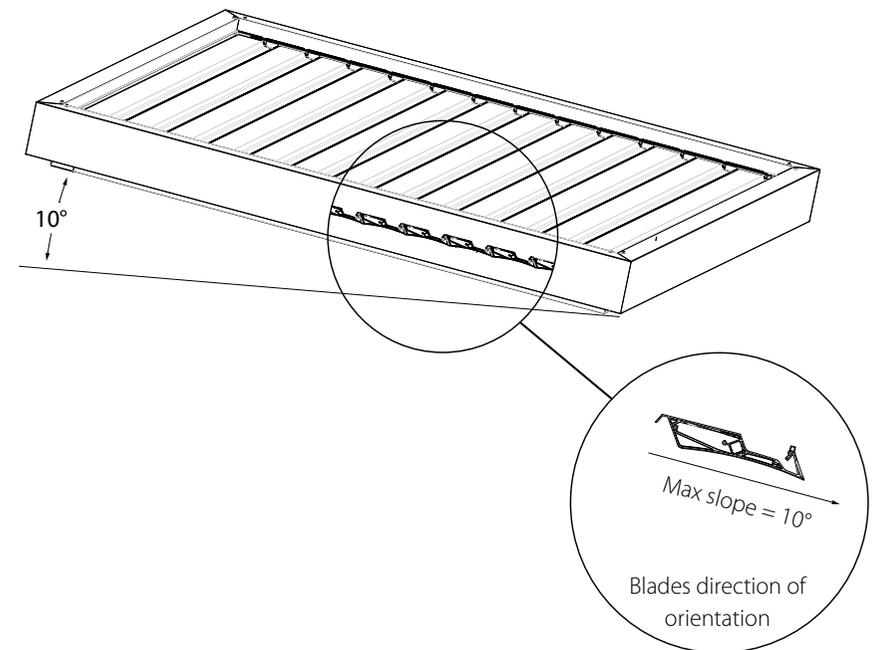
- **SUMMER:** directing the position of the cover with the blades approximately south facing (see fig.) achieves maximum shading adjustment, allowing air circulation to assure optimum comfort: less heat, less stuffiness, less humidity.

## TILTED POSITIONING OF COVER

SLOPE WITH FRONT DRAIN



SLOPE WITH SIDE DRAIN



**CORRADIGROUP**

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