



CHOO[®]
CHOICE OF HIGH OUTDOOR OBJECTS





BIOCLIMATIC SYSTEM

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Comfort and Quality of Life

Shading systems protect you from the sun's harmful UV rays and prevent overheating. This way, you can spend more time outdoors comfortably. Creating a cool and shaded area, especially in the summer months, improves the quality of life at home or at work.

Aesthetics and Value Increase

Bioclimatic and pergola systems increase the value of building, open spaces and profitable workplaces such as cafes and restaurants and increase their aesthetic value. Modern and stylish designs make living spaces more attractive and useful. In particular, pergola and awning systems offer decorative and functional solutions for gardens, terraces and balconies. This increases the overall value of your property.

Health and Safety

Protection from the harmful effects of the sun is of great importance for skin health. Shading systems reduce the risk of skin cancer by reducing exposure to UV rays. They also protect furniture and other outdoor items from the harmful effects of the sun, thus extending the life of your items.

High Energy Efficiency

Shading systems prevent indoor spaces from overheating, reducing air conditioning use and saving energy. This helps reduce energy bills and contributes to environmental sustainability. In winter, controllable shading systems allow sunlight in, providing natural heating and reducing heating costs.

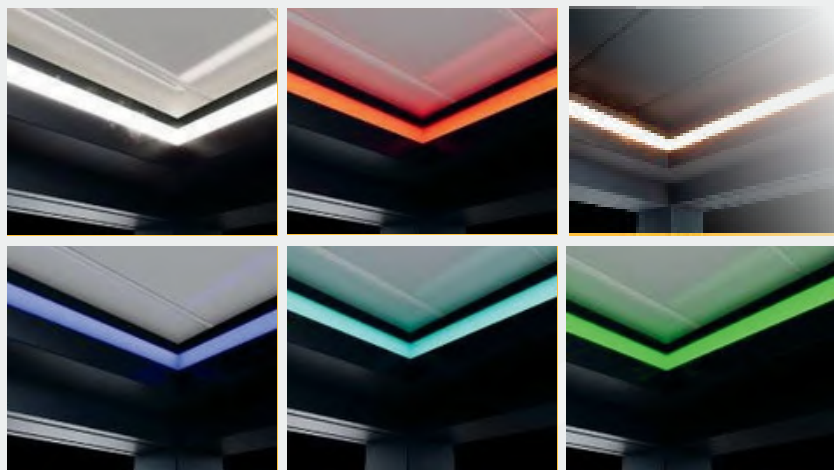
Flexibility and Usage Area

Shading systems offer flexible solutions to adapt to different weather conditions. Retractable systems can be adjusted according to the weather conditions, allowing you to use outdoor areas in all seasons. You can use outdoor areas more actively by being protected from rain, wind or sun.

Increasing Social Areas

Shading systems create ideal environments for social events and family gatherings. Large, shaded areas make outdoor activities more enjoyable and encourage people to come together. This strengthens social bonds and contributes to community life.

Different Color Modes



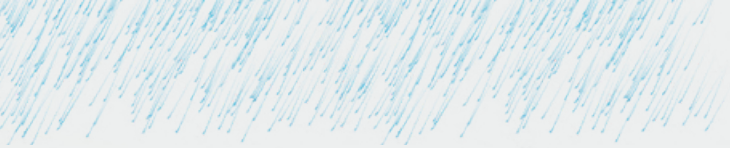
Bioclimatic pergolas have LED technology special lighting system. You can choose the lighting according to your mood. With Sunny, White, RGB LEDs or adjust the desired light level and brightness with a dimmer. It's completely your choice.



Insulated Blade Panels

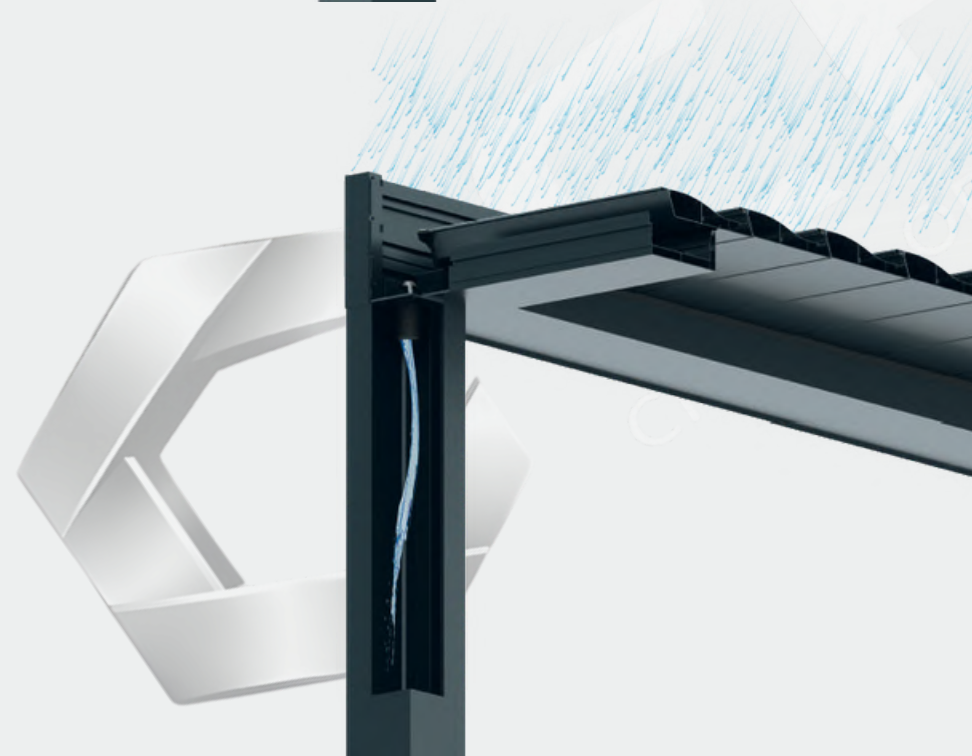
Insulation filling material can be applied inside the movable and double-skinned roof panels of the system. Thanks to this optional option, the system becomes suitable for all types of climatic conditions.





RAINWATER DRAINAGE SYSTEM

Bioclimatic systems are designed to collect rainwater. Water is directed from the panels to the gutters. The collected water is discharged outwards through the upright profile. Notches are applied to the gutter profile and upright profile to facilitate the drainage of rainwater.



CAFE & BISTRO

GÜNÜN MENÜSÜ

- Espresso
- Latte
- Smoothie
- Pasta
- Salata



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Static Properties

Wind Load Resistance Test

UNE-EN 13659: 2004 Class 6 // (approx. 112 km / h) not tested up to 190 km / h. No breakage was detected.

Snow Load Resistance Test

Standard EN-1999 EUROCODE 9 // 100 kg / m² (including its own weight) aluminum structures project

Rain Test

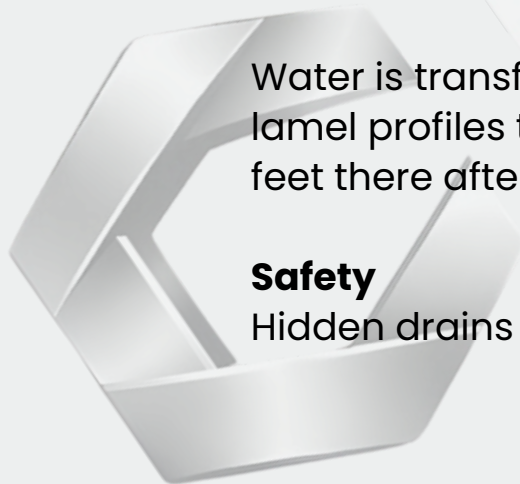
Standard UNE-EN 12056-3 // (0.031/s max) Fixed heavy rain approx. 108 l.m²/h (structures + panels)

Rainwater Drainage

Water is transferred from the grooves on the aluminium lamel profiles to the edge profiles, water is transferred to the feet there after.

Safety

Hidden drains and electrical lines.





Edge Point Axis Rotation

This special rotation technology ensures the most effective application of integration, durability, insulation and high-pressure sealing functions.



Aesthetic Looking Water Drainage System



Specially Designed Double Rail System Provides Opening of Up to 8.5m.

Motorized slats used in bioclimatic systems are designed to open and close. These slats can be adjusted to control sunlight and ventilation. They also provide protection against rain, wind, and other external factors. They can be controlled remotely, allowing users to respond instantly to weather conditions. The systems regulate indoor temperatures by controlling sunlight. Additionally, whether open or closed, they reduce the effects of sunlight to create a comfortable environment.



Technical Specifications:

- Aluminum profiles used in the system are 6063-76 F25 (7580 Briner Hardness). Suitable, long-lasting connection elements.
- All aluminum profiles used in the system are chromed before painting, cleaned in acidic oiling and electrostatic powder paint is applied. In addition to all RAL paint options, special texture and exclusive color alternatives.
- The screw and bolt groups used in the system are chrome (inox) stainless.
- The panels can be opened axially at a minimum angle of 95 to 110 degrees (adjustable). (Important for breaking and preventing sunlight coming from the facade.)
- In our system, hair wick is never used, EPDM wick gasket is used.
- The groove inside the lamellas has been specially designed by our company to prevent dust, water, etc. from spilling down onto the upper part of the lamellas during their movement.
- The system can be installed flat under normal conditions, or inclined when desired. Thanks to the grooves on 4 sides, water intake is prevented without any inclination.
- Metal accessories are first galvanized and then electrostatic oven paint is applied.
- A 966 kg timing belt movement is provided between the engine and the moving mechanism.
- Optionally, polyurethane foam filling is used inside the lamellas for thermal insulation.
- The system to be used has a 5-year engine and 2-year mechanical warranty.
- Each system module consists of vertical and horizontal carrier profiles. 170x170 horizontal main carriers are specially designed as 157x240.
- System modules must have static properties to withstand 50 kg + 35 kg/m² distributed load and 50 kg/m² wind load.
- The silicone to be used in the assembly of gutter fittings must be polyurethane based and have neutral properties.
- Flange application screws should be M12x10 jacketed steel dowels or rods with galvanized coating. (To ensure the protection of floor insulation)
- The system is easy to install (there are no 45 cuts or corners at the gutter joints). In this way, insulation is very simple and does not tend to any water vulnerability.
- 12 Volt Samsung silicone LED (isolated), brightness levels and dimming degrees of the light can be easily controlled with the DIMMER remote control.
- Suitable for all weather conditions.

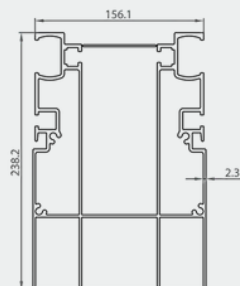




Rail

Product Code: CH3739

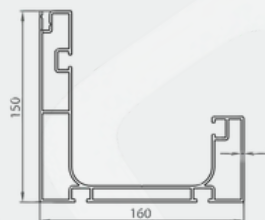
Weight kg/m: 11,763
(238 x 156 x 2,3mm)



Gutter

Product Code: CH3740

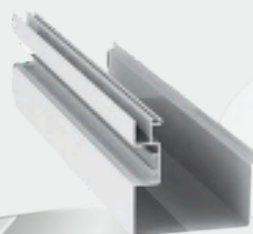
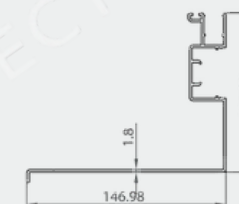
Weight kg/m: 4,575
(150 x 160 x 2,0mm)



Gutter Led Attachment

Product Code: CH3736

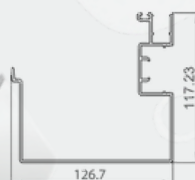
Weight kg/m: 1,950
(117 x 167 x 1,8mm)



Rail Gutter

Product Code: CH3735

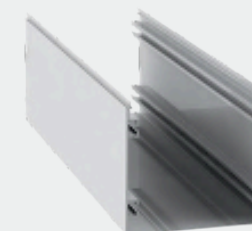
Weight kg/m: 2,162
(117 x 127 x 1,8mm)



Panel

Product Code: CH3738

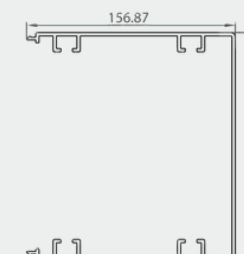
Weight kg/m: 4,400
(70 x 298 x 2mm)



Pillar

Product Code: CH3737

Weight kg/m: 4,150
(170x 160 x 2,5mm)





Pillar Cover

Product Code: CH3733

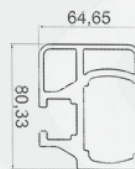
Weight kg/m: 1,250
(170 x 10 x 2,5mm)



C Channel

Product Code: CH3731

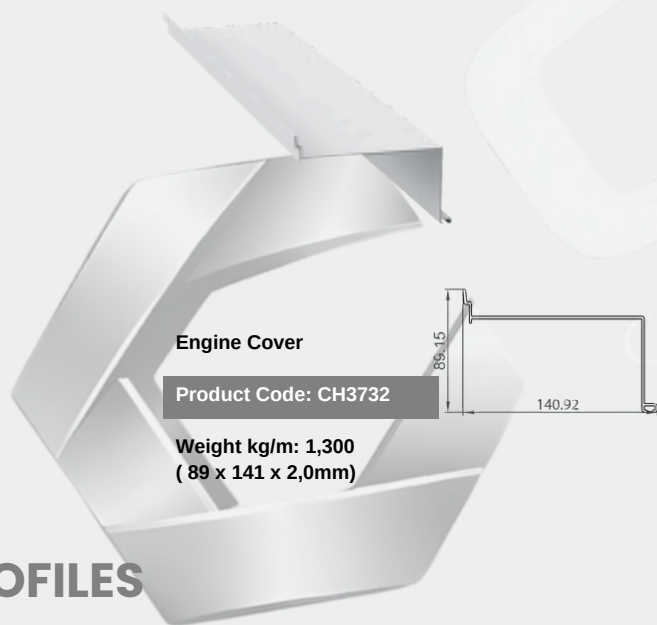
Weight kg/m: 1,900 (80
x 65 x 3,5mm)



Gutter Attachment

Product Code: CH3734

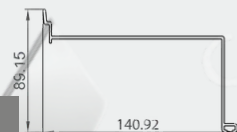
Weight kg/m: 1,900
(156 x 22 x 1,6mm)



Engine Cover

Product Code: CH3732

Weight kg/m: 1,300
(89 x 141 x 2,0mm)



Rail Attachment

Product Code: CH3730

Weight kg/m: 1,200
(161 x 29 x 1,8mm)



BIOCLIMATIC PROFILES



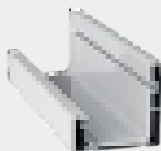
1



Rail

Weight kg/m : 11,763
(238 x 156 x 2,3 mm)

2



Gutter

Weight kg/m :
4,575 (150 x 160 x 2,0 mm)

3



Gutter Led Attachment

Weight kg/m : 1,950
(117 x 167 x 1,8 mm)

4



Rail Gutter

Weight kg/m : 2,162
(117 x 127 x 1,8 mm)

5



Panel

Weightkg/m : 4,400
(70 x 298 x 2,0 mm)

6



Pillar

Weight kg/m : 4,150
(170 x 160 x 2,5 mm)

7



Pillar Cover

Weight kg/m:1,250
(170x 10x2,5mm)

8



C Channel

Weight kg/m :
1,900 (80 x 65 x 3,5mm)

9



Gutter Attachment

Weight kg/m : 1,900 (156 x 22 x 1,6 mm)

10



Engine Cover

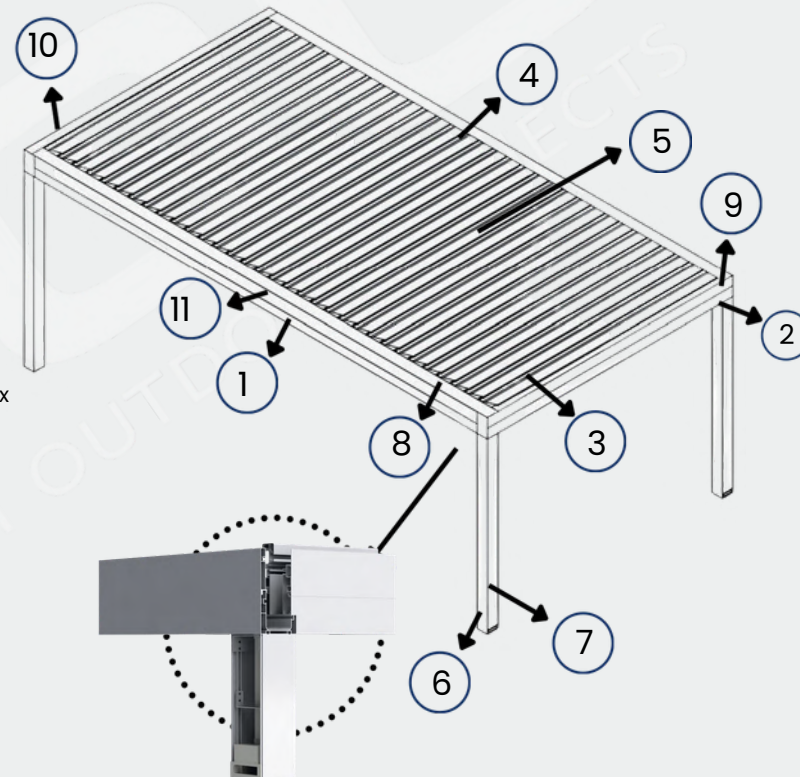
Weightkg/m : 1,300
(89 x 141 x 2,00mm)

11



Rail Attachment

Weight kg/m : 1,200 (161 x 29 x 1,8 mm)





Somfy Engine TAIRUS 120 Nw

Somfy Engine Bio 120 Nw

Somfy Engine Rts 120 Nw



Cuppon Engine 120 Nw

Mosel Engine R120 Nw



Mosel Engine Electronic120 Nw



Somfy RTS 1 Channel Control

Somfy RTS 5 Channel Control

Somfy Rts 16 Channel Control Digital



Mosel 1 Channel Control

Mosel 5 Channel Control

Mosel 9 Channel Control

Mosel 16 Channel Control Digital



Cuppon 16 Channel Control Digital

Thanks to our specially developed double-headed rail design, we have completely eliminated the insulation problem between the systems by combining the two systems on a single rail profile.



With the specially designed rail system, multiple modules can be connected to each other with a minimum number of supports and beams. This provides a spacious look both at the roof and in the room. Systems with multiple modules result in 50% fewer visible supports and beams.

Piston

IPGrade	Max. IP68
Limit Switch	Built-in(electrical)
Weight	1.413Kg
Approval	IEC60601-1:2012 EN60601-1:2006+A12:2014 ANSI/AAMI ES60601-1:2005(R)2012 and A1:2012 C1:2009/(R)2012 and A2:2010/(R)2012

Usage

Duty Cycle	10%.max.2min.continuous working and 18 min.off
Operating Temp.	+5 ° C to 50° C
Temp.	-10°C to 50°C
Reserve Temp Supporting ControlBox	Match with BIBUS control box





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