ALU

Winter garden

ACS GLASS GARDEN

aluron

ALUMINIUM SYSTEMS

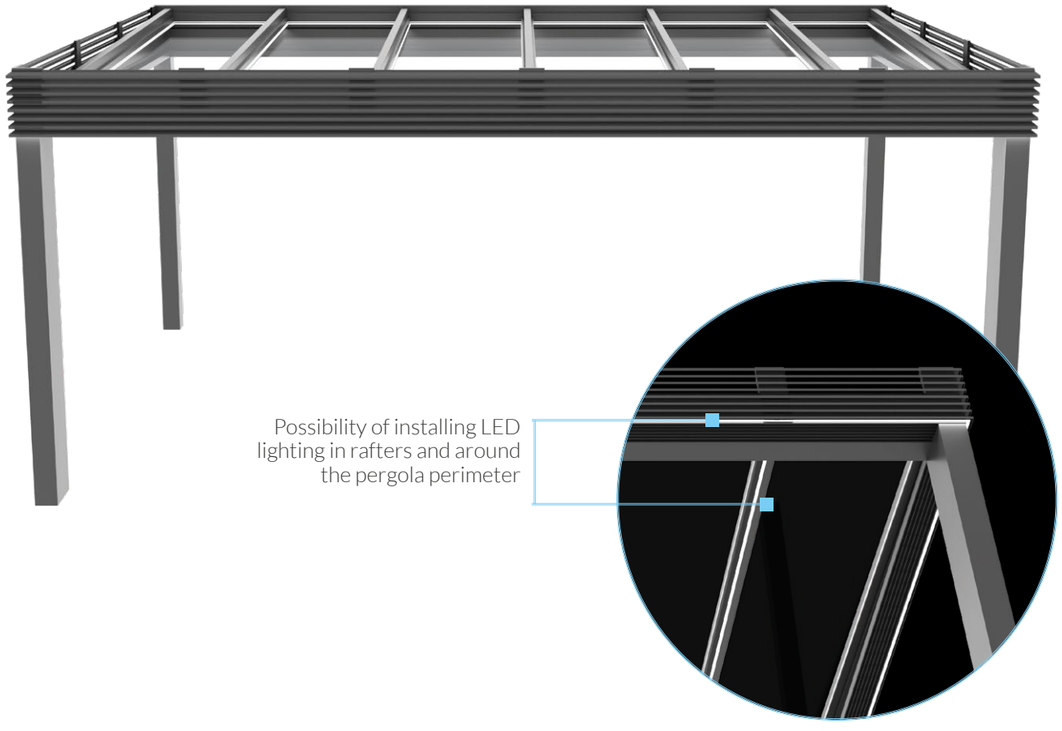
ACS GLASS GARDEN

ACS GG is made of extruded aluminum. It is used for the execution of non--thermally insulated, roofed structures that are either fully-detached or attached to a building, with the possibility of installing a special console.

The system is characterized by exceptional resistance to weather conditions and great longevity. The innovative technology of joining profiles with the use of special connectors increases the stability of the structure and eliminates gaps visible at the joints, thereby ensuring exceptional aesthetic quality. Strength tests confirm that the ACS GG pergola is resistant to loads such as strong gusts of wind or thick snow layers. The solution is suitable for use all year round, regardless of weather conditions. The canopies of the ACS Glass Garden system are adapted to the use of fillings made of chamber polycarbonate, as well as single-glazed and single-chamber glass units.

AVAILABLE STRUCTURAL CONFIGURATIONS:

- freestanding pergola (self-supporting structure)
- pergola attached to the building structure



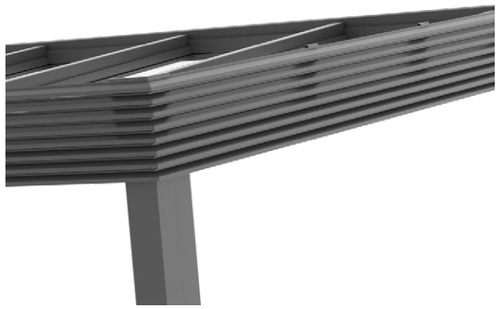
DESIGN & FUNCTIONALITY

- High load-bearing capacity of the main beam ensuring a maximum span of up to 7 running meters.
- Built-in gutter slope inside the profiles.
- Concealed structural fastenings.
- Possibility of concealing cabling in load-bearing poles.
- Possibility of installing LED lighting in rafters.
- Possibility of combining with other Aluron systems.
- Three variants of the parapet concealing the roof slope.
- Optional system profile for masking cabling and transformers along the building perimeter.
- Roof rafters in two static variants.
- Concealed and visible gutter version.
- System compatible with ACS OptiGlass glass sliding walls.
- Wide range of available design variants.

PARAPET OPTIONS

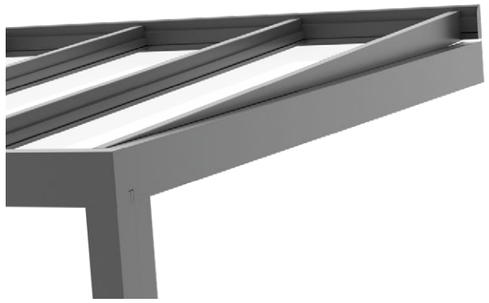
HIGH SLATS

LOW SLATS



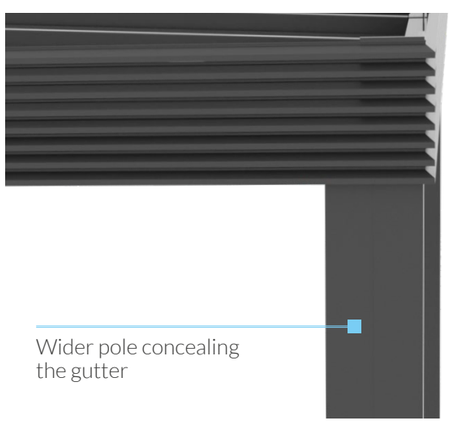
FLAT BLIND

NO MASKING



GUTTER VARIANTS

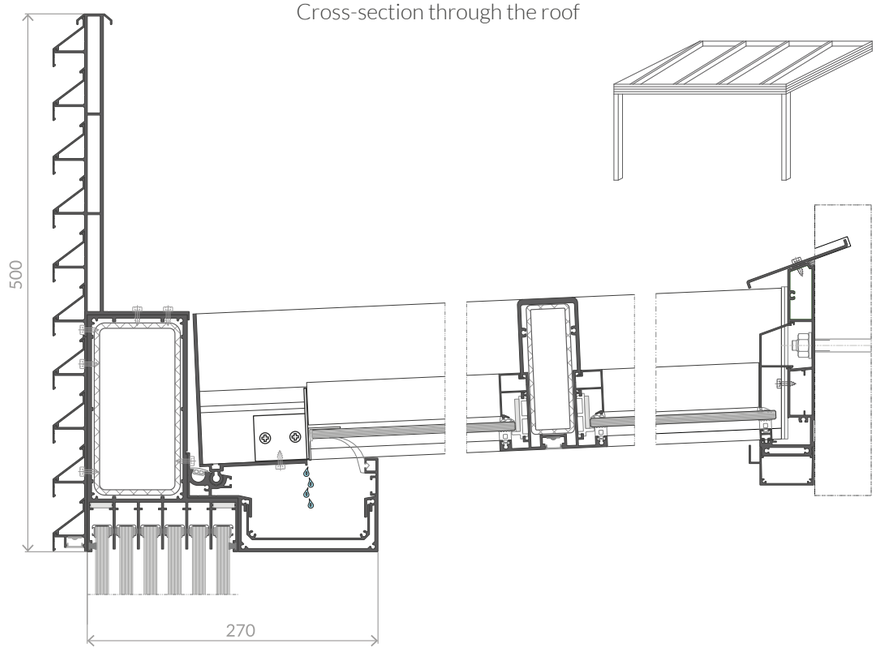
CONCEALED GUTTER



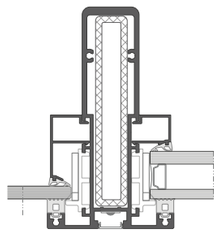
VISIBLE GUTTER

SELECTED TECHNICAL CROSS-SECTIONS

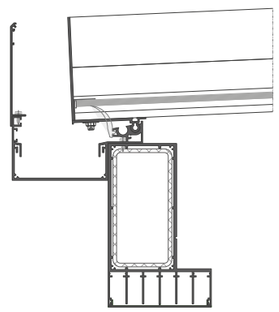
Cross-section through the roof



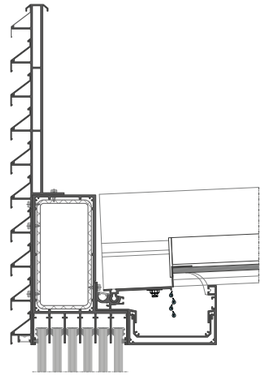
Cross-section through the roof rafter



Cross-section with visible gutter



Cross-section with concealed gutter



SYSTEM CHARACTERISTICS

7000 mm	5000 mm	8 ÷ 30 mm	2,5°-30°
Max. pole spacing	Max. roof depth	Glazing range	Roof angle adjust-ment range

COMPLEMENTARY ELEMENTS OF THE ACS GLASS GARDEN SYSTEM

ACS OPTIGLASS SYSTEM

This all-glass sliding wall solution with maximum active leaf dimensions of 2800 mm x 1200 mm (H x W) is perfectly suited for use with ACS Glass Garden pergolas thanks to the incorporation of system rails into its structure - with proper design there is no reduction in the opening clearance height. Additionally, the special rail design secures the window sash against falling out.

The OptiGlass system uses tempered glass with increased impact resistance, thickness of 8 mm, 10 mm or 12 mm and a maximum weight of 120 kg. This solution allows for the execution of structures with three, four, five and even six sliding leaves opening in one direction (the individual leaves slide behind each other) or in two directions.

ACS 50 COLD SLIDE SYSTEM

It is used for the execution of sliding doors without thermal insulation with maximum dimensions of 2500 mm x 2000 mm (H x W) and a weight of 200 kg. The solution is available in all structural arrangements.

The system ensures optimized use of materials thanks to the application of the same sections and accessories that are used in the ACS 50 system. Cold Slide sliding doors are available in single, double, triple and quadruple rail frame variants. Glazing range: 4-18 mm.

PATIOCOVER SYSTEM

Aluminum decking boards are an alternative to wooden and composite boards traditionally used for the construction of decks and terraces. The durability of aluminum guarantees long-term resistance to weather conditions and mechanical damage. The grooved surface of the board prevents slipping and varnish wear.

The wide range of RAL colors and wood-like coatings allows you to easily match the color of the decking board to the joinery and other elements such as blinds, roller shutters, mosquito nets, railings or fencing.

BROAD COLOR OPTIONS ALURON COLOR COLLECTION 2

AR - MAT | powder coating RAL MAT
AR - FS | powder coating RAL FS
AM - FS | powder coating Metallic FS
AD - MAT | wood-like decors MAT
ANODIZED & EFFECT COLORS | AA – C anode colors: C0, C33, C34, AA - R anode imitation – powder coating

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Learn more!

Aluron K. Baran i Wspólnicy S.K.A.
42-400 Zawiercie
ul. Podmiejska 11
tel. +48 32 62 10 600
biuro@aluron.pl

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