



PERGOLA

AFFORDABLE LUXURY FOR EVERYONE





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FERER KFT. ABOUT US

FER-ER have an outstanding team members specializing in designing and installation, being responsive to your specific requests with professional and suitable solutions. Any before or after-sales related issues will be responded timely by us.



As a highly specialized manufacturer and reseller of building industry, Fer-Er Kft. has been engaged in the shading system industry since 1984.

Fer-Er Kft. continues to invest heavily in customer cares and product development in order to equip our customers with the best advice and market leading products.



WHY PERGOLUX?

PergoLux System is constructed entirely from aluminum and stainless steel. It has been specifically designed to meet all environments, especially the harsh demands of coastal environment.



PergoLux, also known as louvered roof system is provided by Fer-Er Kft. who is dedicated to offer unique and perfect roofing solutions catering for a variety of customer demands in the market today.

PergoLux takes control of sun, shade and light as well as providing ventilation and rain protection. It's ideal for any outdoor living area such as patios, decks, verandas, courtyard outdoor kitchen, swimming pools etc.



PERGOLUX FEATURES AND BENEFITS



- **100 Degree Rotation:** PergoLux is the weatherproof Louvre system that has nearly 100 degree rotation. At the push of a button it gives you complete control over sun and shade.
- **Aluminum Construction:** The solid aluminum louvers are extruded from architectural grade aluminum at a nominal thickness 2.0mm for years of trouble free service and come with a 5 year warranty.
- **Light Control:** The louvre blades can be tilted to desired angle to reflect the right amount of natural light into a building, illuminating the area without the need of electrical lighting, thus providing energy saving.
- **Rain Protection:** The louvers blades are designed such that they will automatically interlock when rainy and windy weather develops (with rain wind sensor). The louvres overlapping ensure the water tightness thus preventing any leak.
- **Heat Control:** The Opening Roof can be turned to the desired direction with handheld remote control to prevent direct sunlight falling on your outdoor area thus preventing unwanted solar heating which in turn will save you on the air-conditioning bills.
- **Ventilation Control:** During summer days when hot air rises you can leave the louvers partially opened. Tilt the louvres such that the sun is blocked but the warm air can escape through the opening the louvers thus keeping the place cool.



PERGOLUX STRUCTURAL DESCRIPTION

- Extruded aluminium louver (with groove for lighting)
- Aluminium beams, gutters, heavy-duty internal fittings
- Posts and base plate
- Blade end cap, pivot bolt
- Plastic bush, control arm
- Motor arm connector
- Custom made bracket
- Inbuilt downpipe
- Electric motor
- Linear strip Led lighting (optional)
- Electric heater(optional)
- Motorised side screen(optional)

PERGOLUX PROFILE SECTIONS



A Timeless Choice:
PergoLux combines unique hollow blades with architectural aesthetics to completely block rain from entering after all louvers are closed. It's a new generation of outdoor sunshade louvers based on all-aluminum technology which can withstand 120km/h windy conditions. Modern frame design and movable louvers reveal the relentless pursuit of high quality life style.



BEAM



LOUVER
BLADE



GUTTER



POST



CONTROL
ROD



L - CONNECTOR



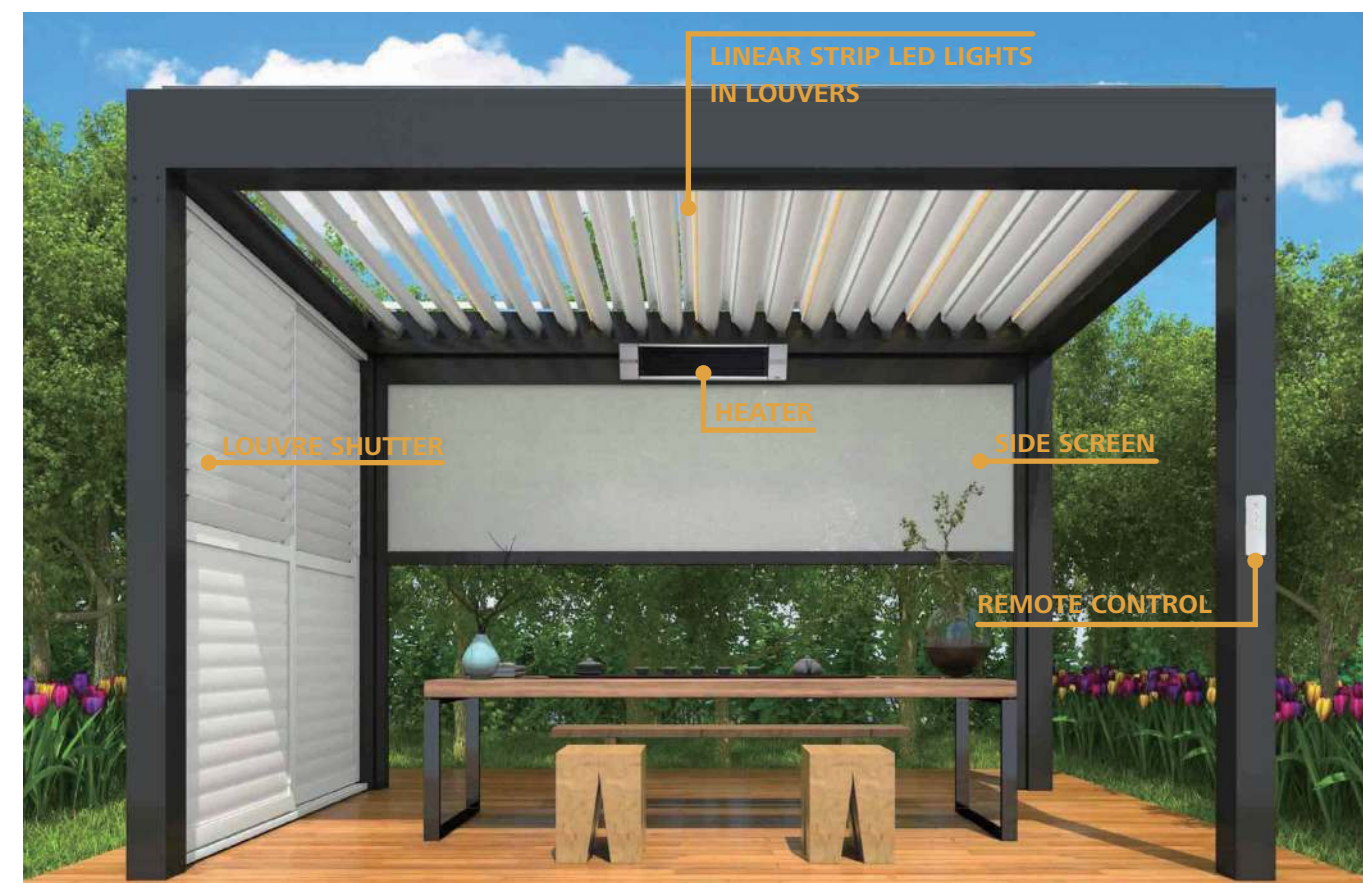
POST
CONNECTOR



BASE PLATE



BRACKET



PERGOLUX OPTIONAL ADD-ONS



● Lighting Options

Linear Strip Led Lights allow you to create a comfortable atmosphere at night time.



● Sliding Glass Doors

Sliding glass doors provides total protection and all-round vision, separating or opening indoor and outdoor spaces.



● Motorized Side Screen

The structures can also be supplemented with new side screen which are motorized and operated by special guides and closures which completely cover a space.



● Electric Heater

During the summer we spend hours huddled under the shade of our pergolas to avoid the hot sun, but should we just abandon these spaces as the weather starts to cool off? You don't have to if you install overhead heaters that will extend the season.

PERGOLUX WATERPROOF DESIGN



Elliptical Type Specification

- LUX Series : 202 mm Louvres
- Width / Height : 202 mm / 51 mm
- Thickness : 2.0 mm
- Maximum Span : 4500 mm (include beams)
- Design : Waterproof Effective



PERGOLUX HOW IT WORKS



● Open at an Angle

Hot air rises you can leave the louvers partially opened. Tilt the louvres such that the sun is blocked but the warm air can escape through the opening at the louvers thus keeping the place cool.

● Fully Open

In winter or cooler weather enjoy the natural warmth of sunlight by tilting the louvres to the desired angle with the fingertip touch of your remote control.

● Ventilation

With louvres opened at a desired angle, protection is still provided for light rain penetration meanwhile ventilation and shade protection is still achieved.

● Closed for Heavy Rain

Louvres are designed such that they will interlock to keep out the weather. Deep channels in each louvre carry water away to the in-built surrounding gutter.

PERGOLUX DESIRED OPENING ANGLES

0°



FRONT VIEW



PLAN VIEW

45°



FRONT VIEW



PLAN VIEW

100°



FRONT VIEW



PLAN VIEW

PERGOLUX SELECTIVE COLORS



RAL 7016 Anthracite Grey



RAL 7016 Anthracite Grey+RAL 9016 Traffic White



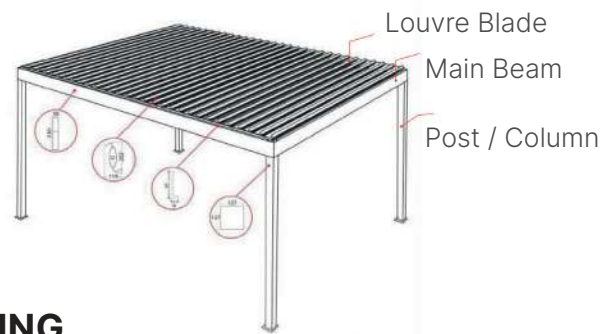
RAL 9016 Traffic White



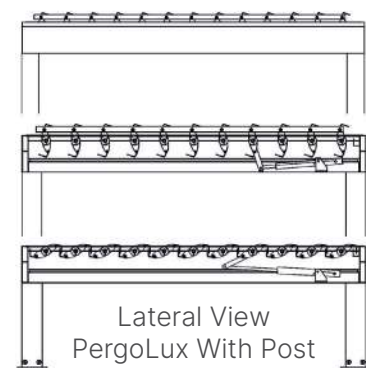
Customized Color

PERGOLUX DESIGN OPTIONS

1. FREE STANDING



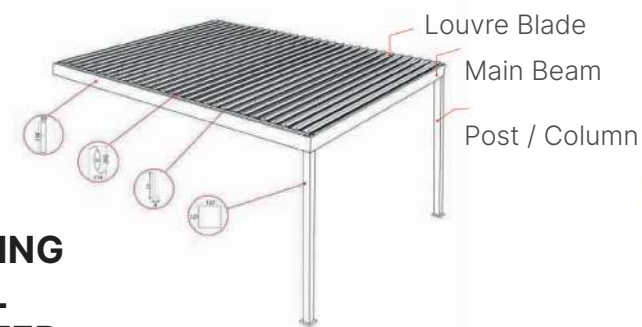
General Technical System Drawing



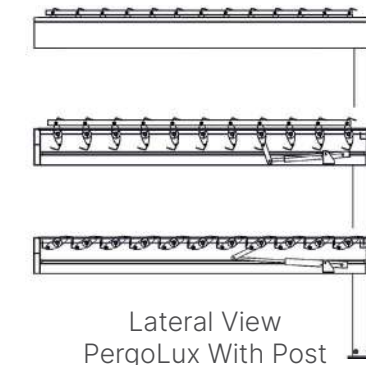
Lateral View
PergoLux With Post



2. FREE STANDING & WALL MOUNTED



General Technical System Drawing

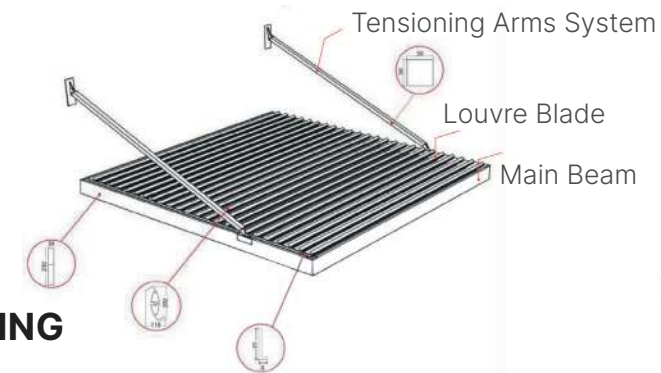


Lateral View
PergoLux With Post

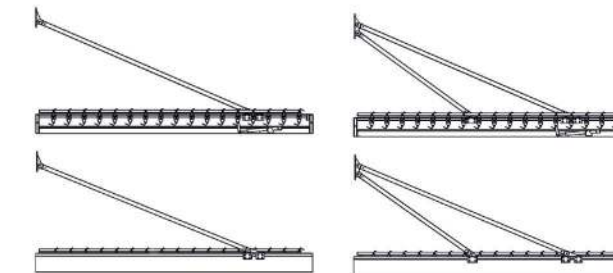


PERGOLUX DESIGN OPTIONS

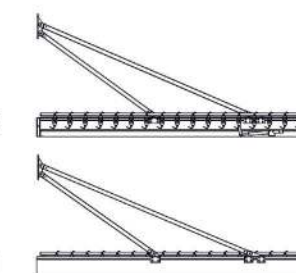
3. WALL HANGING



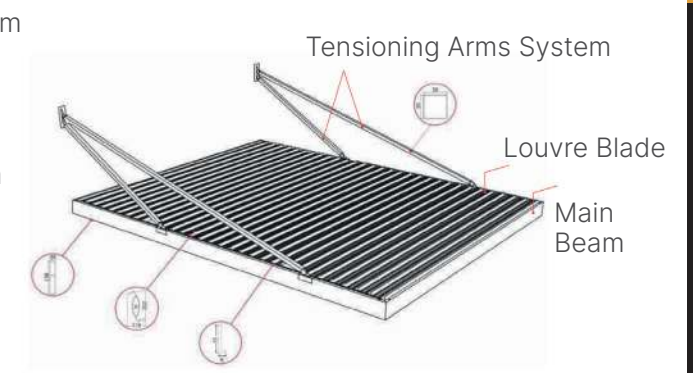
General Technical System Drawing



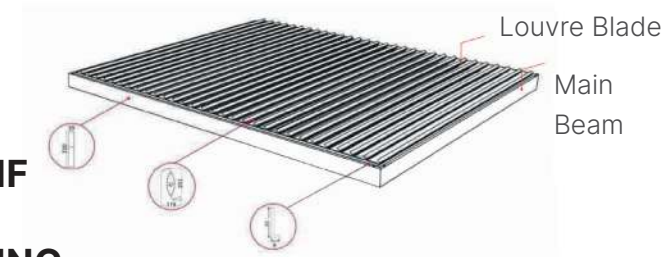
Lateral View PergoLux
With Single Tension Arms



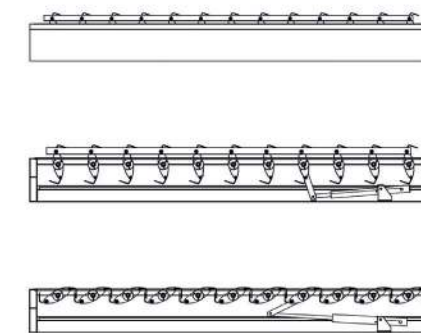
Lateral View PergoLux
With Double Tension Arms



4. FITTING INTO EXISTING STRUCTURE



General Technical System Drawing



Lateral View PergoLux
Without Post



PERGOLUX FAQ

What is your systems made of?

Our system is powder coated, extruded aluminum with stainless steel components giving us the most durable louvered roof on the market today.

What is your the longest span of your louvre?

There is one shape of PERGOLUX louvre blade available. For the 202mm wide aerofoil blade of PERGOLUX, its maximum spanning capacity is 4.5m without sagging.

Can it be attached to a host structure?

Yes, our system can be attached to an existing structure or erected as a free-standing unit!

What colors does your system come in?

The Opening Roof features two standard colors options (white and grey) that compliment almost any architecture. Available in hundreds of custom colours from RAL color chart for unique application purposes.

How it will hold up in my climate?

Our system has been specifically engineered to withstand hurricane force winds, heavy snow loads, and everything in between. It's durable and can outcompete most of the competitors on the market today!

What are the benefits of installing a opening roof?

Sunshading and rain protection. A opening roof will make the most of your outdoor space. You can have shade at the touch of a button while still being able to let the sunshine in when it is preferred. With the built in gutter system, you have shelter from the rain as well.

Are these standard size?

Not really, the opening roof system has been designed to be completely flexible so it can be customized to each project. We will assist in designing the length and direction of the louvers to best fit your area.

What is your product warranty?

We offer 3-5 years warranty on the structure of PERGOLUX with ordinary powder coated, along with a 2 year warranty on the electronics.

What types of features can I add to the roof?

We also offer an integrated Linear Strip LED lights system, the heater, side screen, an automatic wind/ rain sensor that will automatically close the roof when it starts raining. If youy have any further ideas we encourage you to share them with us.

PERGOLUX INSPIRATIONS



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WHY A PERGO-X?

PERGO-X combines unique hollow Flat blades with architectural aesthetics to completely block rain from entering after all louvers are closed.

It's a new generation of outdoor sunshade louvers based on all-aluminum technology which can withstand 28m/s windy conditions. Modern frame & post design and movable louvers reveal the relentless.



PERGO-X ALUMINIUM, WATERPROOF

FER-ER aluminum garden pergola will make the most of your outdoor space. You can use it as an extension to your home, or completely standing alone on your deck or patio - the choice is there!

Product Features:

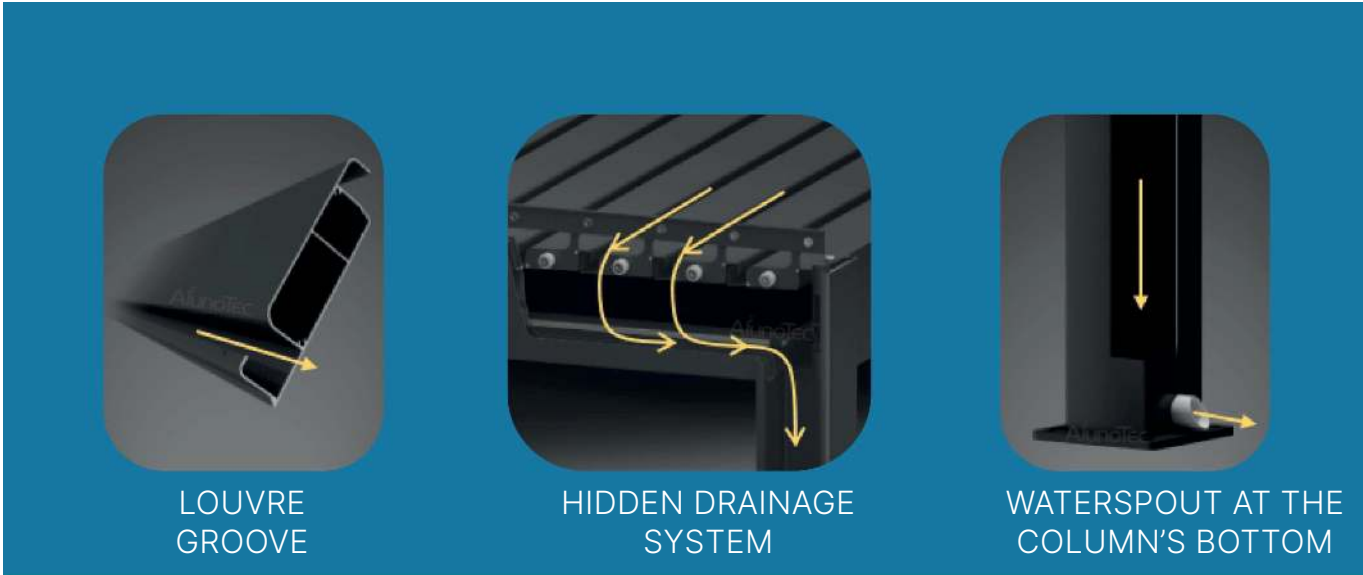
- Motorized or manual operation.
- It comes with standard size 3m x 3m & 4m x 3m & 6m x 4m.
- Manual side screen as optional items.
- Installation video & manual is available, 3 persons with 3 hours.



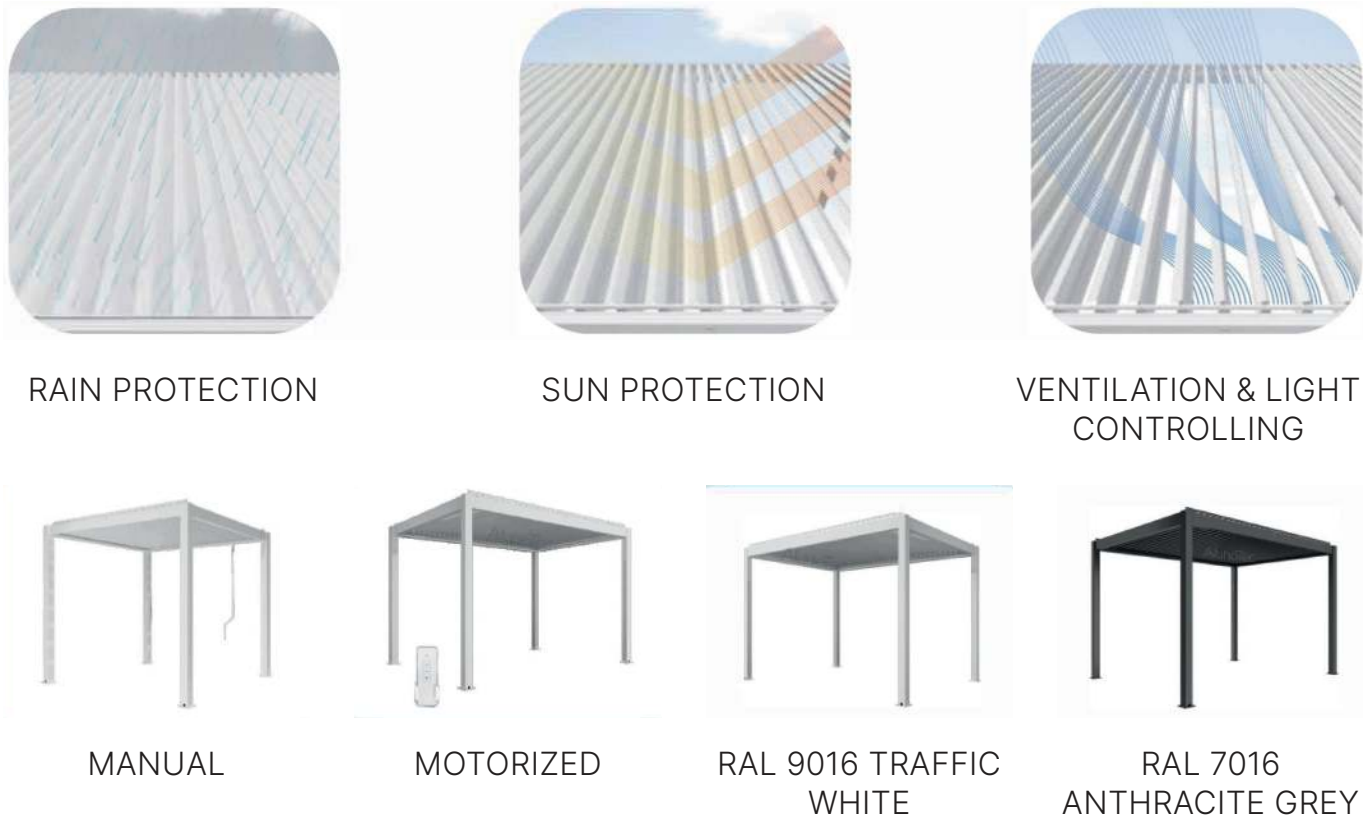
PERGO-X

DESIGN & DRAINAGE SYSTEM

Rainwater flows to the gutter through the louver groove and drains smoothly through the waterspout of the column which can bring users a good outdoor life experience even is rainy weather.

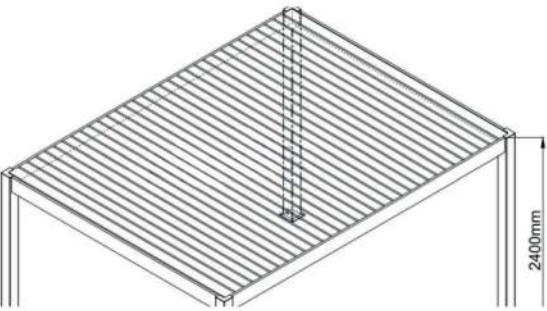
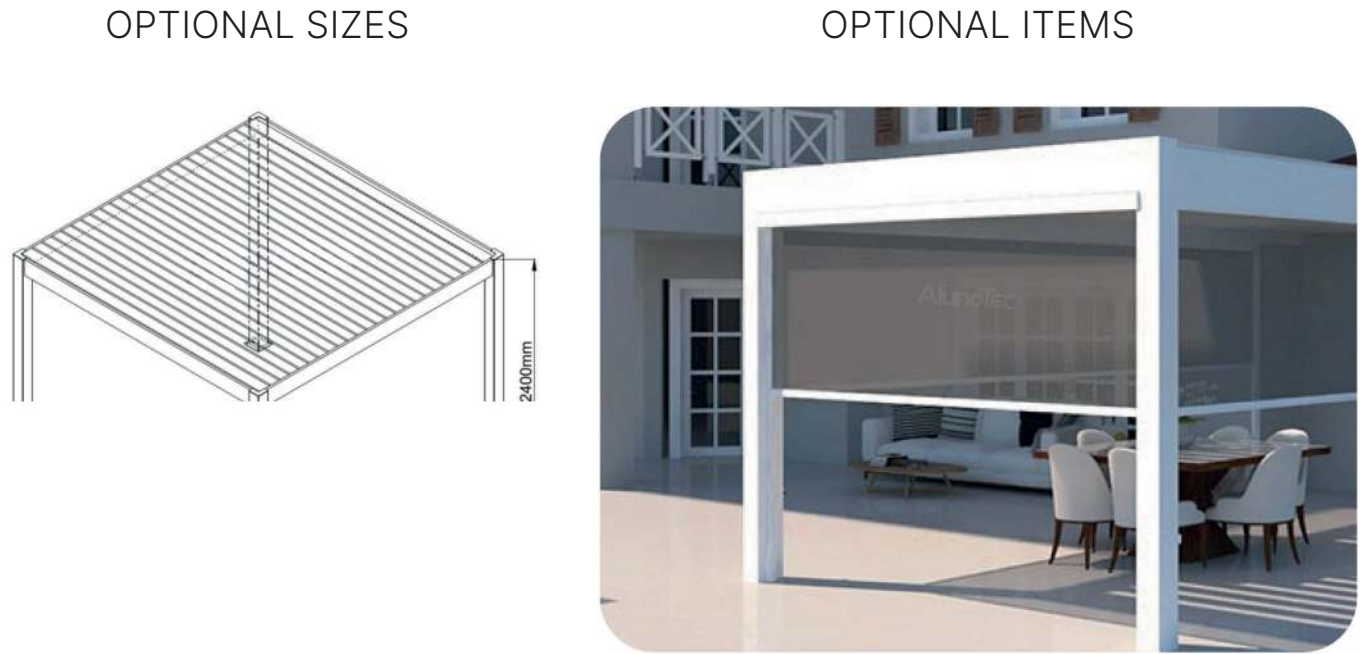


By controlling the opening and closing of the louver, PERGO-X achieves sun protection, rain protection, ventilation and light controlling.



PERGO-X

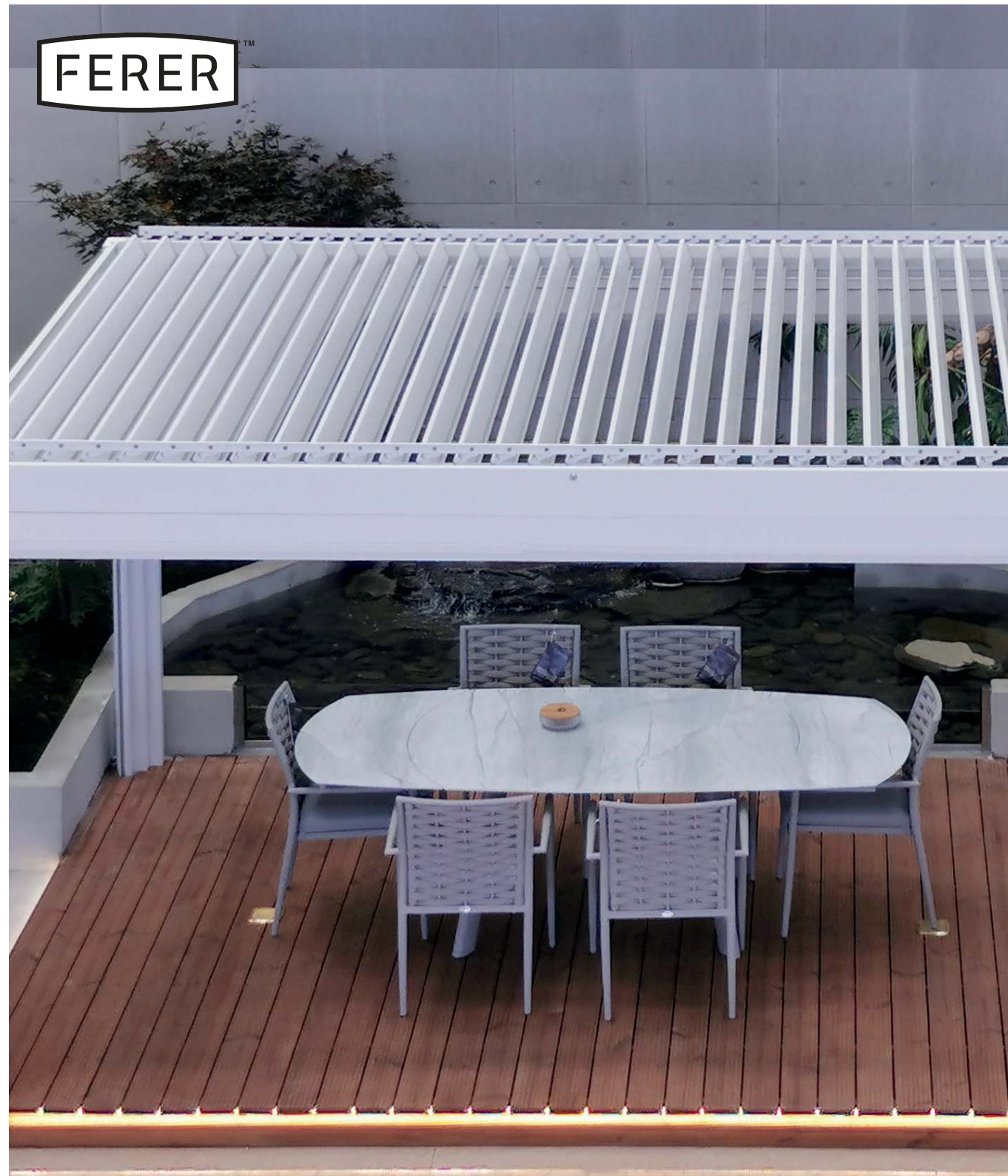
PRODUCT SPECIFICATION AND OPTIONAL SIZES & ITEMS



Main Profile				
Profile Name	Material	Aluminum Profile	Size	Thickness
Louver blade	Alu		170 × 25 mm	1,2 mm
Main beam	Alu		170 × 25 mm	1,5 mm
	Alu		170 × 47 mm	1,5 mm
Post	Alu		120 × 120 mm	1,4 mm
Gutter	Alu		66 × 58 mm	1,5 mm

PERGOLUX APPLICATION

It is ideal for providing sun and rain protection for locations like backyard, deck, garden, balcony or villa.



PERGOLUX APPLICATION





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