



# PERGOLAS



*...protect your privacy.*



# PERGOLA LUKA, MIRA

Self-supporting pergola MIRA 4 or pergola MIRA 2 with an ingenious and innovative design. A roof made of aluminum slats, which can be oriented from 0° up to 140° with sealing and lateral water drainage. Pergola can be integrated with LED spotlights, screen components - screen blind or outdoor blind as well as anti-snow system - a system against snow-loading of the slats.

Mira pergolas represent the synthesis of solid and stable construction and innovative design, including the relevant components. In addition to dynamic tests, the Mira pergolas also meet the stringent requirements of static tests of even load of the slats in the closed position weighing up to 140 kg / m<sup>2</sup>. The pergolas meet the requirements of the 6<sup>th</sup> class of wind resistance.

Aluminum fabric pergolas LUKA M and LUKA S are an aesthetic decoration of your conservatory. The pull-down roof is made of a single piece of non-flammable PVC fabric. The fabric proves excellent strength and dimensional stability, 100% protection against rain and sunshine is self-evident.

Traction system is made of high resistant toothed belt, running on ball bearings. This connection is characterized by very quiet and regular running. The frontal water-drain is an integrated part of the structure. Pergola control is motorized.

## ADVANTAGES AND BENEFITS

INNOVATIVE DESIGN

ALUMINUM SLATS WITH ORIENTATION 0° TO 140°

NON-COMBUSTIBLE PVC FABRIC

INTEGRATED DRAINAGE

PROTECTION AGAINST RAIN AND SNOW

HIGH WIND RESISTANCE

POSSIBILITY OF INTEGRATION OF SCREEN BLINDS OR OUTDOOR BLINDS

POSSIBILITY TO COUPLE PERGOLAS

### LEGEND



remote control

### ISOTRA *Quality*

A mark symbolising long tradition, inestimable investment into development, the use of quality materials, state-of-the-art technologies, reliable work from hundreds of employees and numerous other parameters, constituting one entity - the final product of ISOTRA.



# PERGOLA MIRA 4

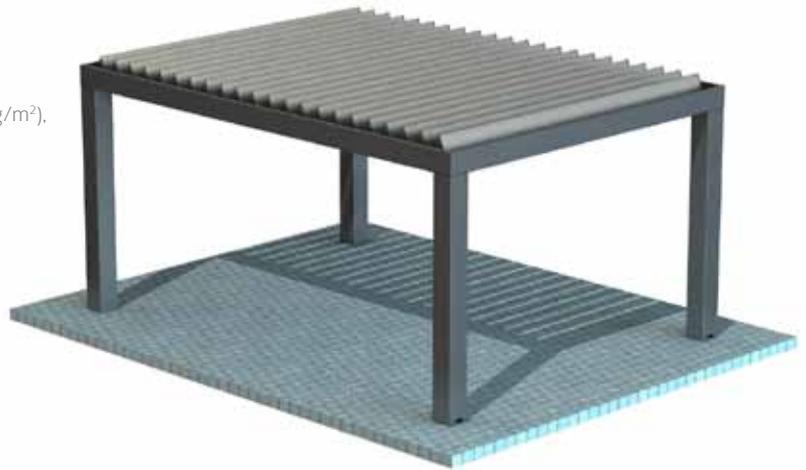
Mira 4 is a self-supporting pergola with 4 base stands. The pergola roof is made of aluminum slats, which can be oriented from 0° to 140° with sealing and lateral water drainage. Pergola Mira 4 can be coupled to the modular system side by side or in succession.

The LED spotlight can be integrated into the pergola. The pergola can be expanded with shading components - screen blinds or outdoor blinds, and can be completed with rain and temperature sensor provided anti-snow system against snow-loading of slats is used.

Pergola	Design	Lenght (mm)		Width (mm)		Height (mm)	Guaranteed area (m <sup>2</sup> )
		min.	max.	min.	max.	max.	max.
MIRA 4	motor	2 000	7 000	2 000	4 500	3 000	31,5

## Advantages and benefits

- Aluminum slats with orientation 0° to 140°.
- lateral water drainage integrated into the stands,
- protection against rain and snow (max. load 140 kg/m<sup>2</sup>),
- high wind resistance,
- possibility of integration of screen blinds or outdoor blinds,
- possibility to couple pergolas,
- any RAL construction color including the anthracite structure.



## Installation options

- Pergola MIRA 4 is self-supporting with the possibility of anchoring the stands into the floor.

## Control



## Basic colours

of the construction and slats

○ RAL 9003 white

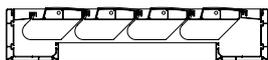
● RAL 9006 light silver

● RAL 7016 anthracite gray

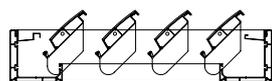
● RAL 8014 brown

● V01 pearl silver

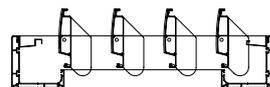
● V05 black sandblasted



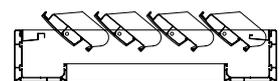
0°



45°



90°



140°





# PERGOLA MIRA 2

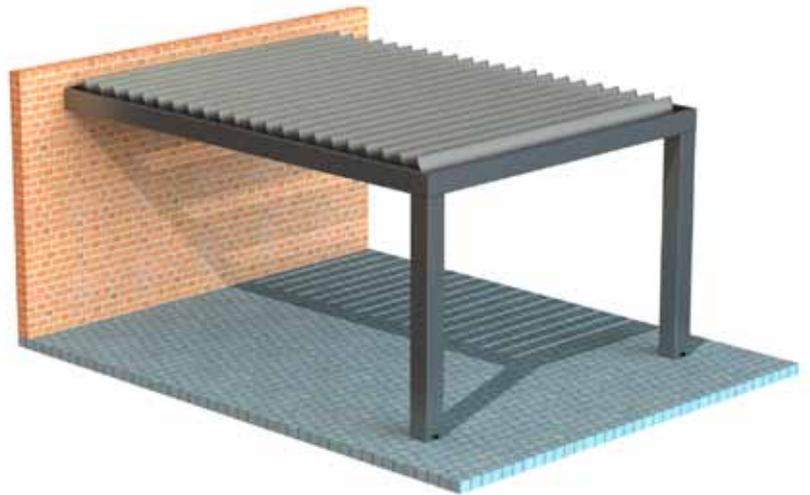
Mira 2 is a self-supporting pergola with 2 base stands and anchoring into the wall. The pergola roof is made of aluminum slats, which can be oriented from 0° to 140° with sealing and lateral water drainage. Pergola Mira 2 can be coupled in a modular system side by side or in succession.

The LED spotlight can be integrated into the pergola. The pergola can be completed with shading components - screen blinds or outdoor blinds, and can be completed with rain and temperature sensor provided an anti-snow system is used.

Pergola	Design	Lenght (mm)		Width (mm)		Height (mm)	Guaranteed area (m <sup>2</sup> )
		min.	max.	min.	max.	max.	max.
MIRA 2	motor	2 000	7 000	2 000	4 500	3 000	31,5

## Advantages and benefits

- Aluminum slats with orientation 0° to 140°.
- lateral water drainage integrated into the stands,
- protection against rain and snow (max. load 140 kg/m<sup>2</sup>).
- high wind resistance.
- possibility of integration of screen blinds or outdoor blinds.
- possibility to couple pergolas.
- any RAL construction color including the anthracite structure.



## Installation options

- Pergola MIRA 2 is self-supporting with the possibility of anchoring the stands into the floor and anchoring the profile into the wall.

## Control



## Basic colours

of the construction and slats

○ RAL 9003 white

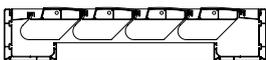
● RAL 9006 light silver

● RAL 7016 anthracite gray

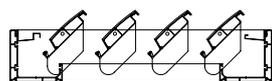
● RAL 8014 brown

● V01 pearl silver

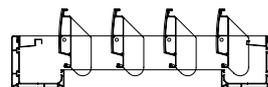
● V05 black sandblasted



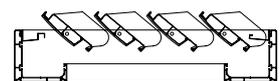
0°



45°



90°



140°





# LUKA S, LUKA M

The aluminium fabric pergola LUKA enhances different environments: from traditional to modern furnishings for a refined and trendy location. The retractable roof is made of one single cloth of flame retardant PVC fabric.

The fabric is characterized by high dimensional stability and it is good for sun, rain and wind protection. The frontal water-drain is an integrated part of the structure. Traction system is made of high resistant toothed belt, running on ball bearings. This connection is characterized by very quiet and regular running. Pergola control is only possible with the motor. Variants of LUKA S and LUKA M fabric pergolas differ only in the limit dimensions. Alternatively, two pergolas can be coupled side by side, this option you can order under the name LUKA S/D or LUKA M/D.

Pergola	Design	Length, ejection (mm)		Width (mm)		Height (mm)
		min.	max.	min.	max.	max.
LUKA S	motor	2000	5000	2000	4500	2500
LUKA S/D	motor	2000	5000	5000	8000	2500
LUKA M	motor	2000	6000	2000	6000	3000
LUKA M/D	motor	2000	6000	5000	8000	3000

## Advantages and benefits

- Flame retardant PVC fabric with high dimensional stability,
- Frontal integrated water-drain,
- Rain and sun rays protection,
- the untraditional traction system ensures quiet operation of the pergola
- possibility to couple two pergolas,
- any RAL construction color including the anthracite structure.



Pergola LUKA M

## Installation option

- Pergola LUKA is self-supporting with the possibility of anchoring the stands into the floor and anchoring the profile into the wall.

## Control



Pergola LUKA M/D

## Basic colours

of the construction

○ RAL 9003 white

○ RAL 1013 oyster white

● V02 matt bronze

● V01\* pearl silver

● V05 black sandblasted

\*only for pergola LUKA M, M/D



# FABRICS

There can be used two types of PVC fabrics – fabrics 502 SATIN from Serge Ferrari and fabrics 716 Polyplan from Sattler for LUKA pergolas.

## FABRICS 502 SATIN

- Satin effect to give a modern and high end look to your projects
- reinforced dirt resistance due to a weldable PVDF treatment
- a very smooth finish ensures easy upkeep
- exceptional dimensional stability
- breaking strenght
- long-term mechanical resistance
- a maximum UV protection (100% filtration of UVB rays, UPF 50+ for all the colors)
- protection against heat and inclement weather conditions
- 10 year warranty (for static applications)

### The technical data

weight (g/m <sup>2</sup> )	Thickness (mm)	Material	Width (mm)	Fire classification	Temperature range (°C)	Openness factor (%)	UV factor (%)	colour fastness to light
570 +/- 5 %	0,45 +/- 5 %	PVC	1 800	M2, B1, B-s2, d0	+ 70/-30	0	-	-

<b>P1</b>	price group		printable
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## FABRICS 716 POLYPLAN

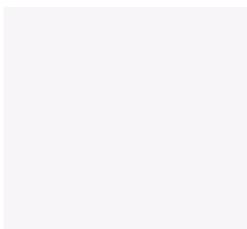
- Durability
- Excellent weldability
- Flame retardancy (B-s2,d0 according to EN 13501-1)
- Dimensional stability
- Extremely cold and heat resistant
- Mould repellent finish

### The technical data

weight (g/m <sup>2</sup> )	Thickness (mm)	Material	Width (mm)	Fire classification	Temperature range (°C)	Openness factor (%)	UV factor (%)	colour fastness to light
780 +/- 5 %	0,6 +/- 5 %	PVC	320/250*	CL2, B-s2, d0	+ 70/-30	0	80	≥7

\* 716833 grey, 716739 brown

<b>P1</b>	price group		printable
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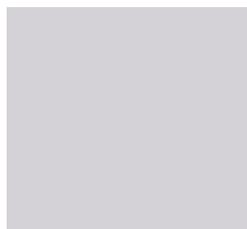
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78683



716739



716833



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