

Pergola

# Équinoxe

## | Registered design

Design : Jérôme Boissière

## | Patented system

Rainwater harvesting and storage system integrated into the pergola

## | Materials & Finishes

Aluminium structure th. 5 mm anti-corrosion treatment and hot-lacquered RAL or AkzoNobel colours of your choice

## | Fixing

Embed in ground or place on base plate

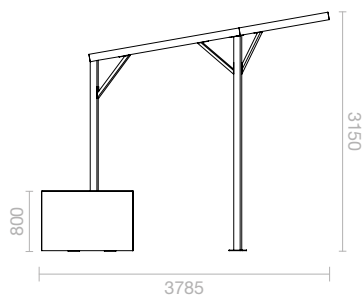
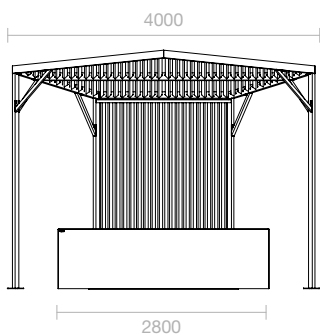
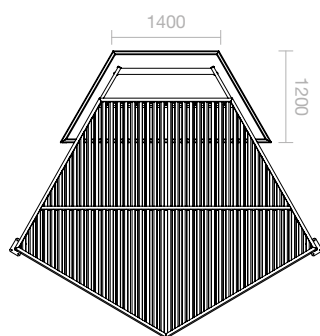
## | Variant

Roof made of untreated Douglas slats

Privacy treillis made of untreated Douglas slats

## | Option

Seat made of untreated Douglas slats



## | Data

Planter volume : 2000 L

Total weight : 350 kg

Roof surface : 8 m<sup>2</sup>

Collection area : 5,35 m<sup>2</sup>

Annual rainfall in Paris 634 mm : 634 mm

Lowest monthly rainfall in Paris: 45 mm in September

Estimated recovered volumes : ≈ 215 L

Highest monthly rainfall in Paris: 69 mm in May

Estimated recovered volumes : ≈ 315 L

## | Note

These values represent a theoretical estimate based on the 1991–2020 climatological norms. Actual recovery volumes may vary depending on weather conditions, system losses, and precipitation intensity.

## | Advice

Avoid installing the pergola under trees or in areas with climbing plants. The accumulation of leaves and plant debris can interfere with the proper functioning of the rainwater harvesting system. To maximize shade, it is recommended that the pergola be oriented appropriately.

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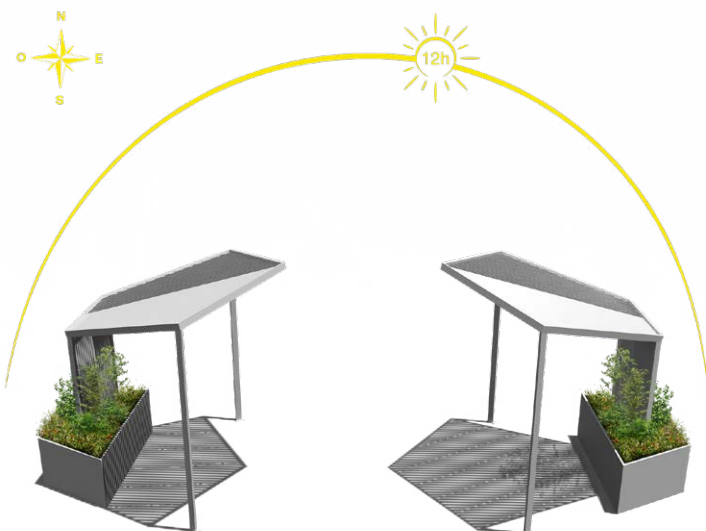
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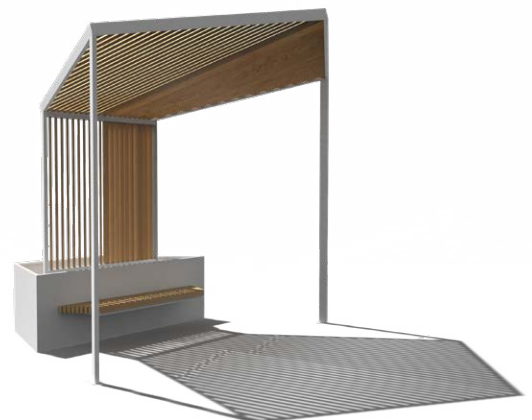
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**To maximize shade, it is recommended that the pergola be oriented appropriately**



**Wooden version ideal for climbing plants (without rainwater harvesting system)**





Patented system

# Rainwater harvesting system

## | Patented system

This system is designed to optimize resource use by collecting rainwater and storing it directly in a reservoir built into the planter.

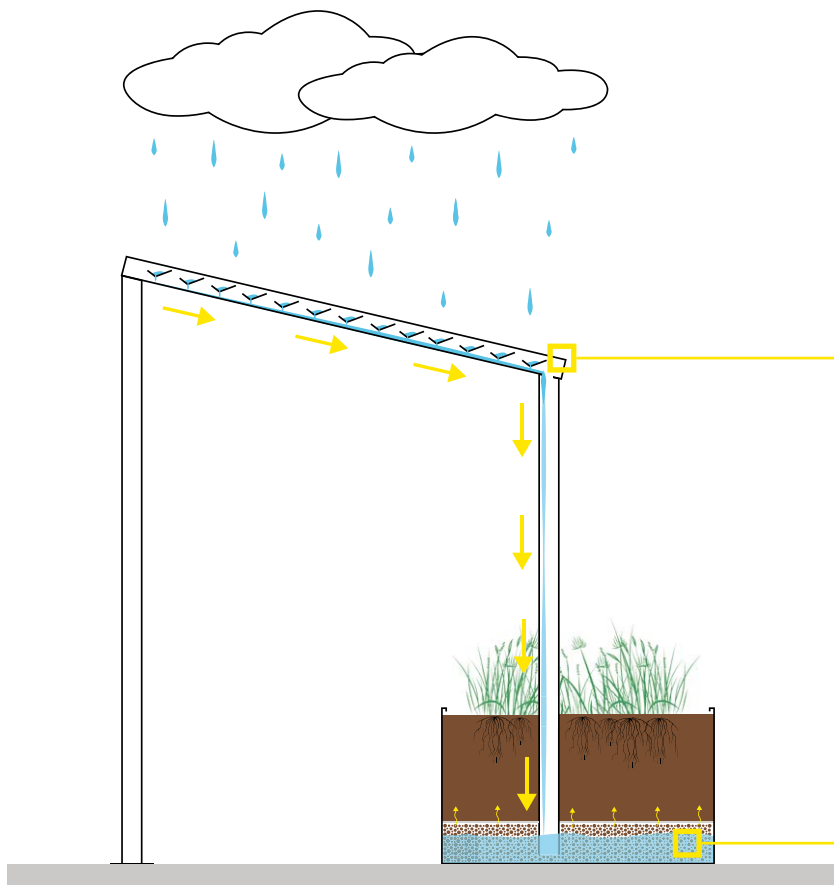
## | How it works

The system relies on the use of open aluminum profiles, mounted on the structure with their openings facing upward. This configuration both provides shade and effectively collects rainwater. The profiles are arranged to channel water in a single direction, directing all runoff into a common collection pipe integrated into the structure. The water is then channeled vertically through the base of the structure to the water reservoir.

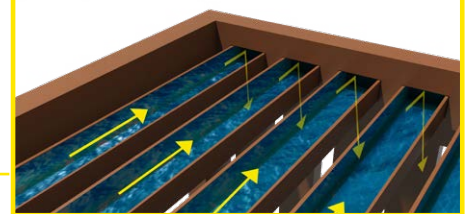
The collected water is thus stored in the tank and made available for the plants. An overflow mechanism is built in to drain excess water in the event of heavy rainfall.



A closer look at water-collecting profiles



The profiles collect and direct the water into the planter



Various options can be incorporated to optimize the water supply



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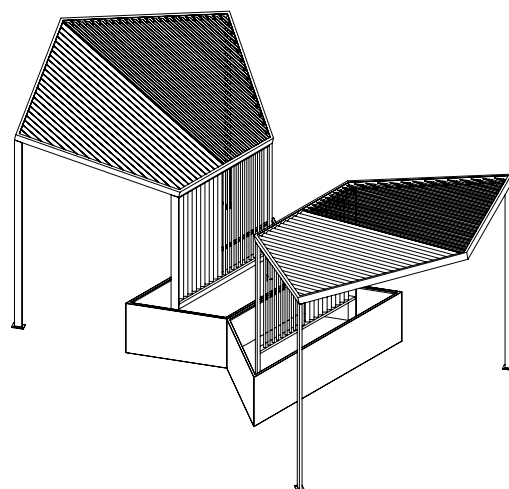
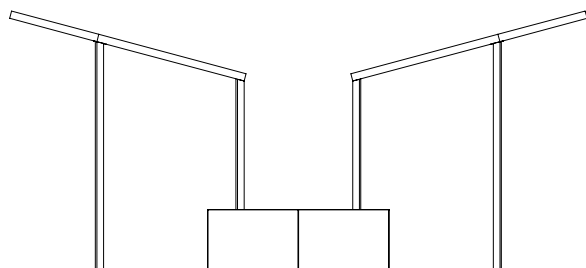
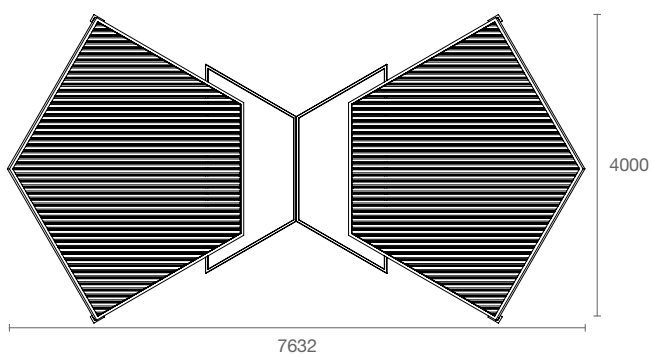
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**A** 7632 x 4000





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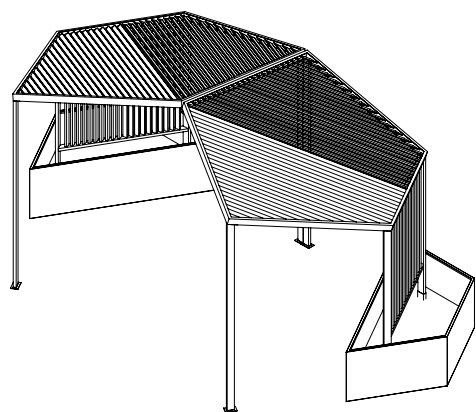
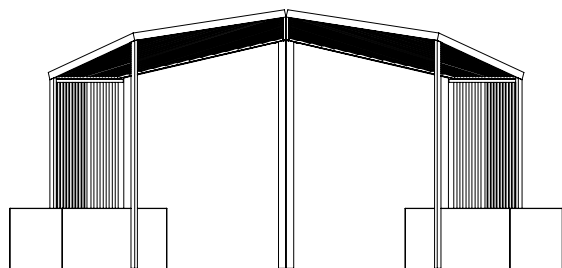
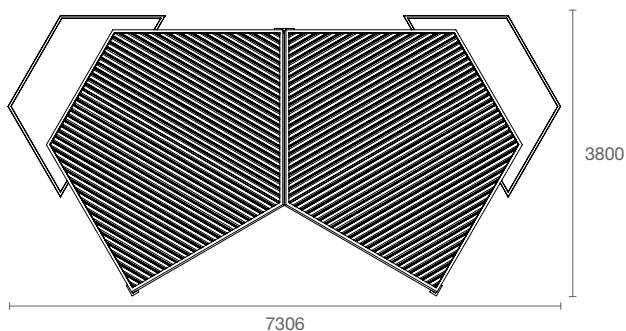
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**B** 7300 x 3800



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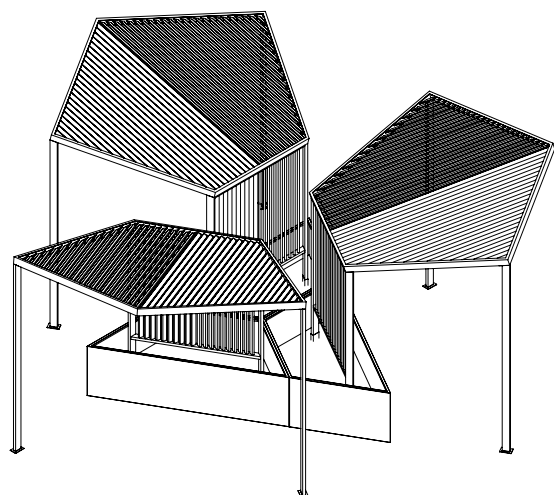
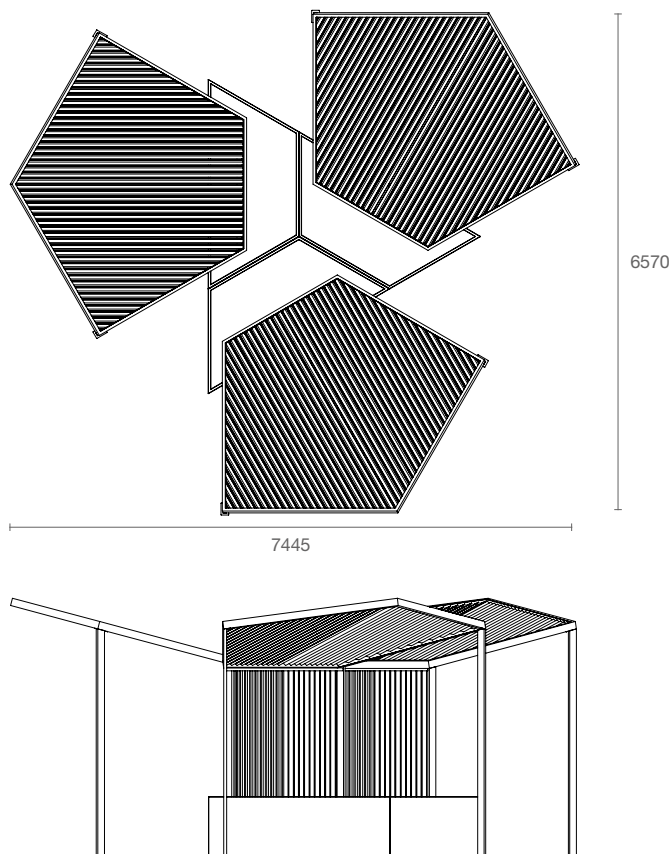
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**C** 7445 x 6570





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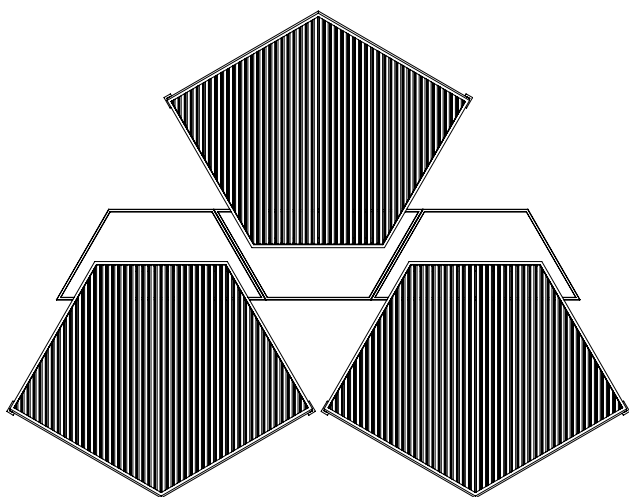
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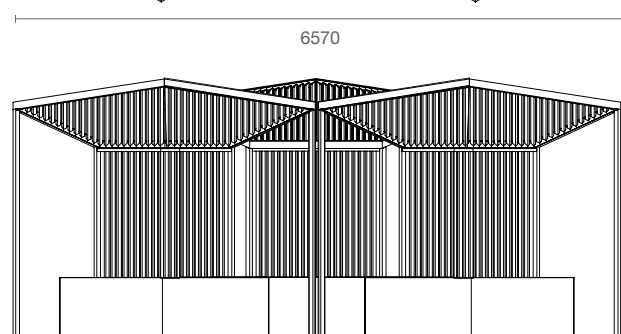
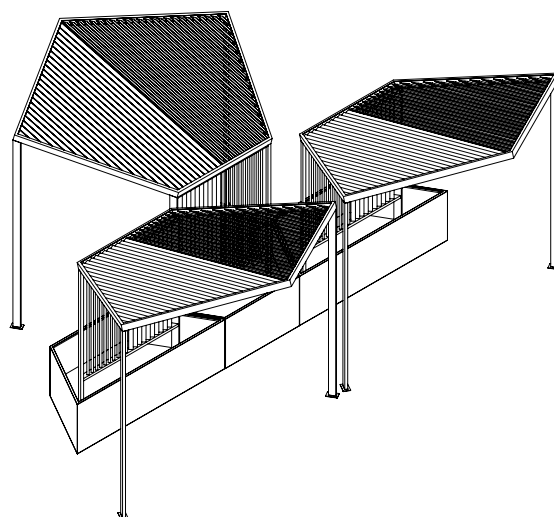
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**D** 6570 x 6360



6364



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**E** 7350 x 7300

