

# LUMIA

Technical Manual



**METAFORM**  
SHADING SYSTEMS





# Lumia

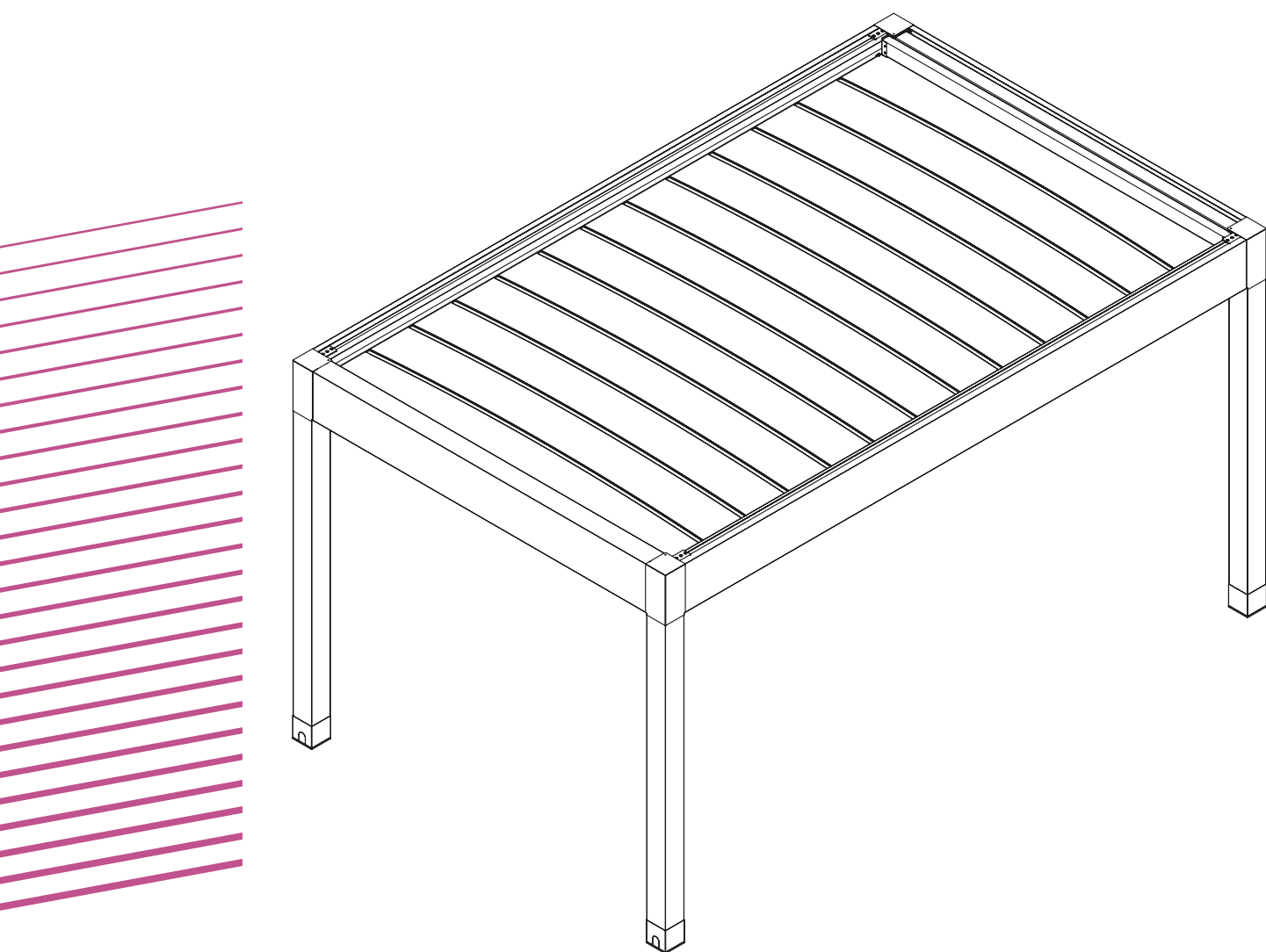
|                        |   |
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# Lumia

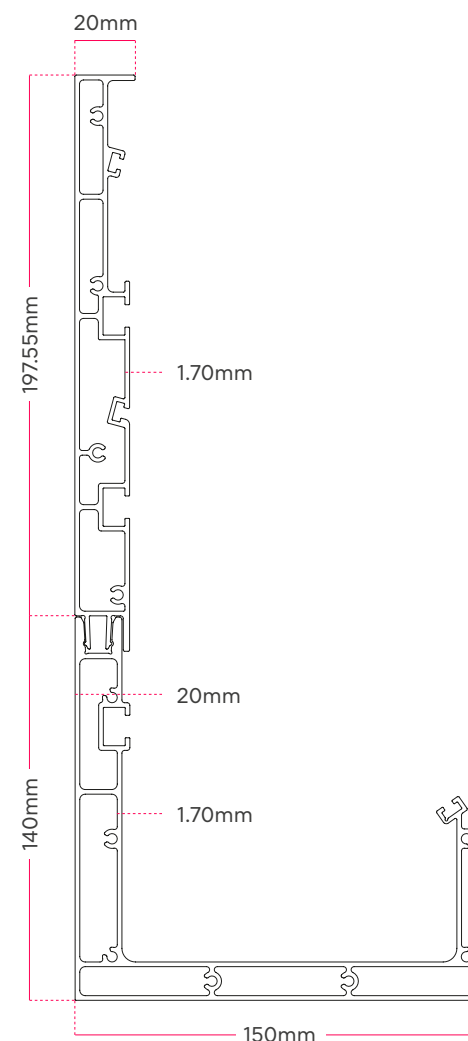
Innovation in outdoor living

The Lumia pergola combines elegance and functionality with its curved beams, covered with high-quality PVC Block out, which simulates the feel of a dome.

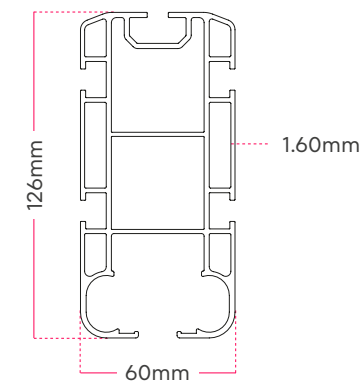
Integrated into a sturdy horizontal frame with perimeter gutters, it ensures effective drainage, maintaining aesthetics and durability in all weather conditions.



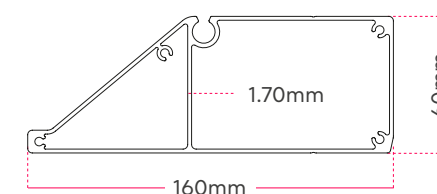
# Pergola cross sections



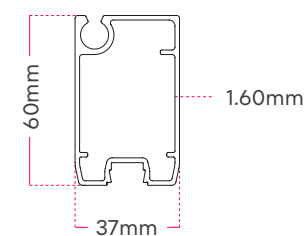
1 Perimeter frame with gutter 150X337



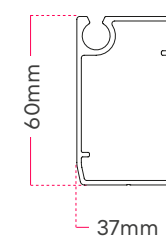
2 Rafter 60X126



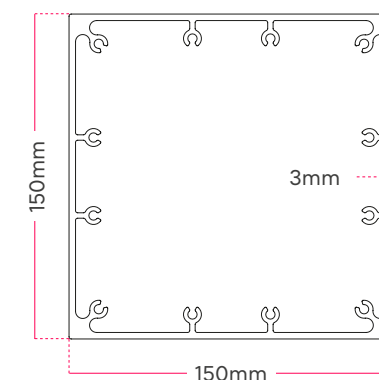
3 Wide beam 160X60



4 Narrow beam 37X60 with LED strip slot



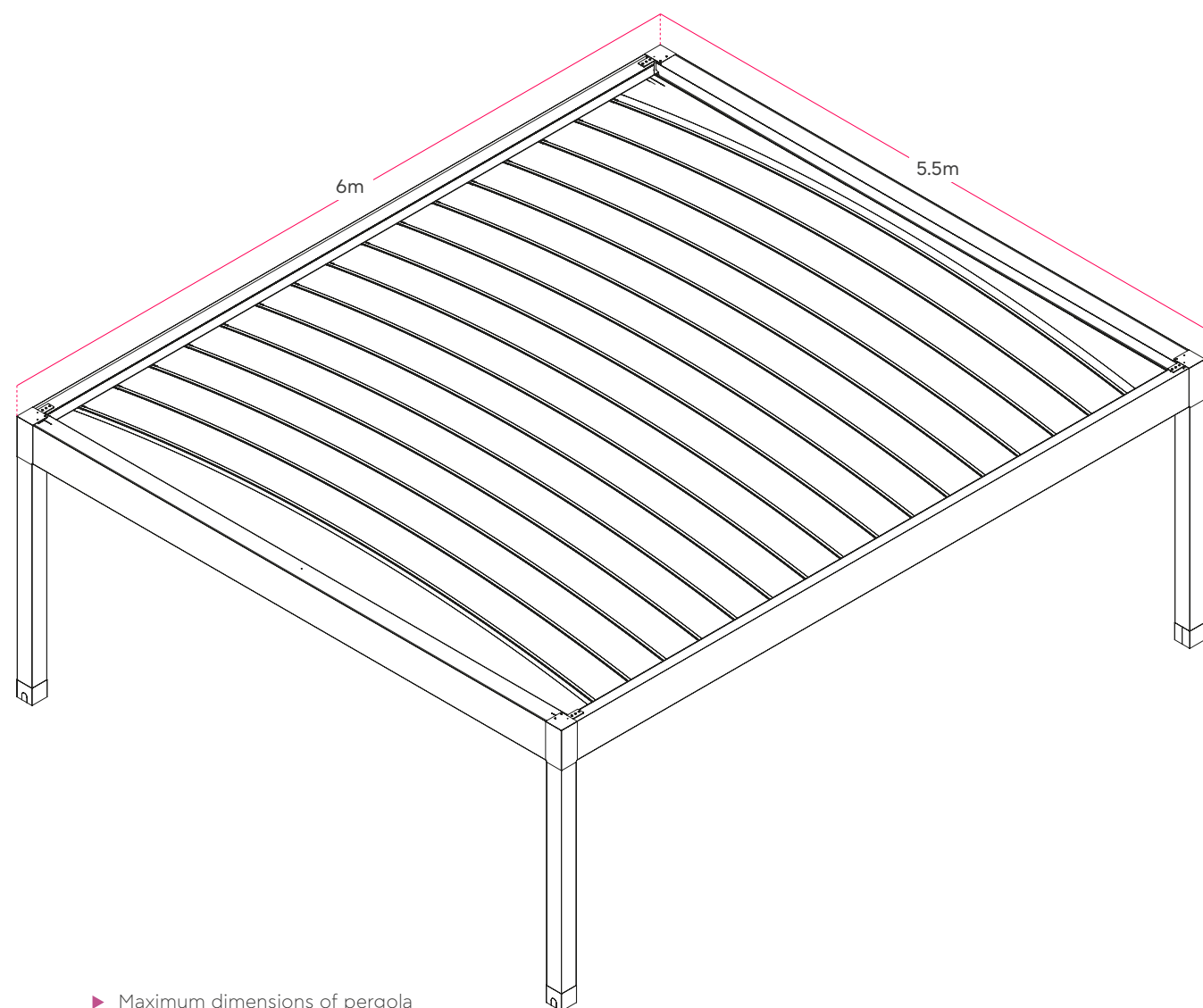
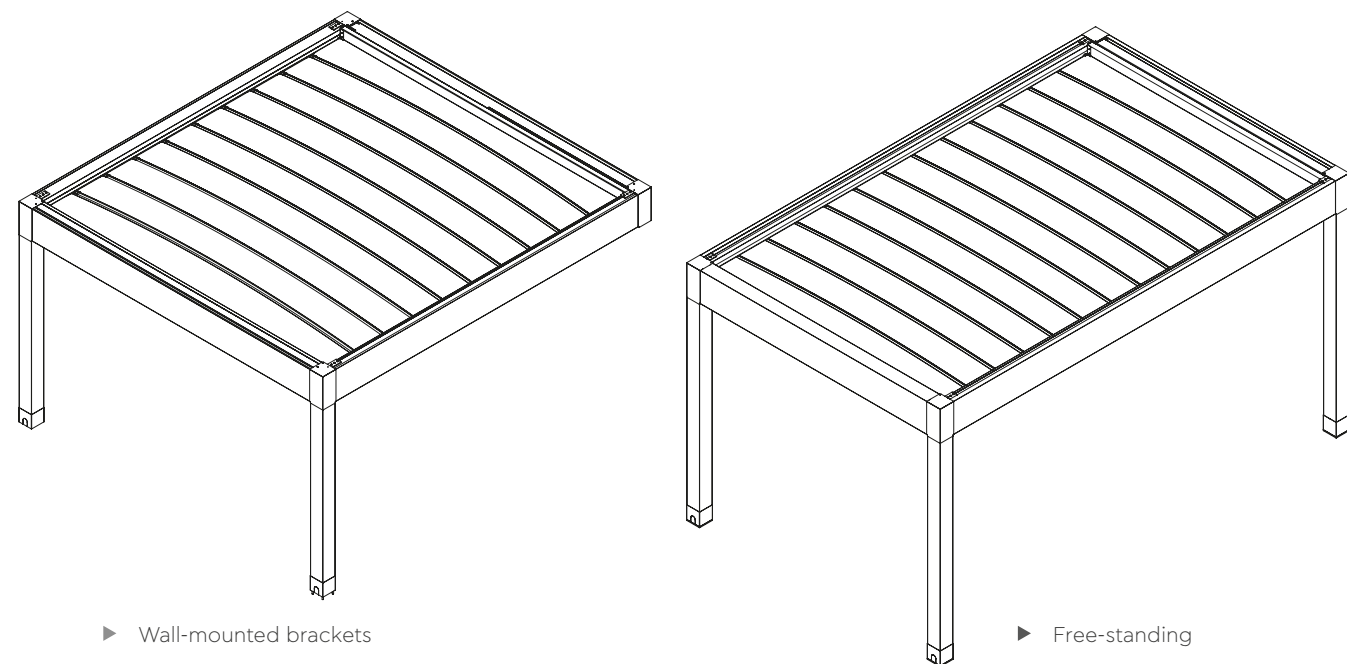
5 Narrow beam 37X60



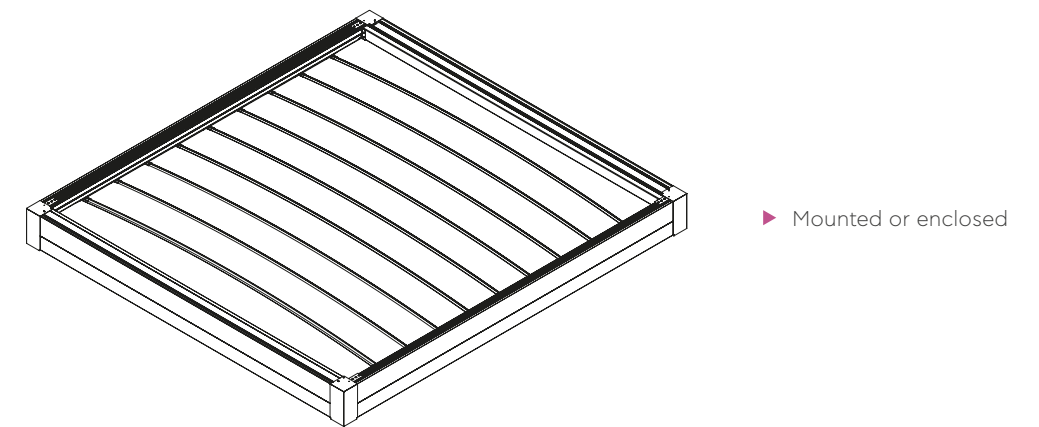
6 Column 150X150



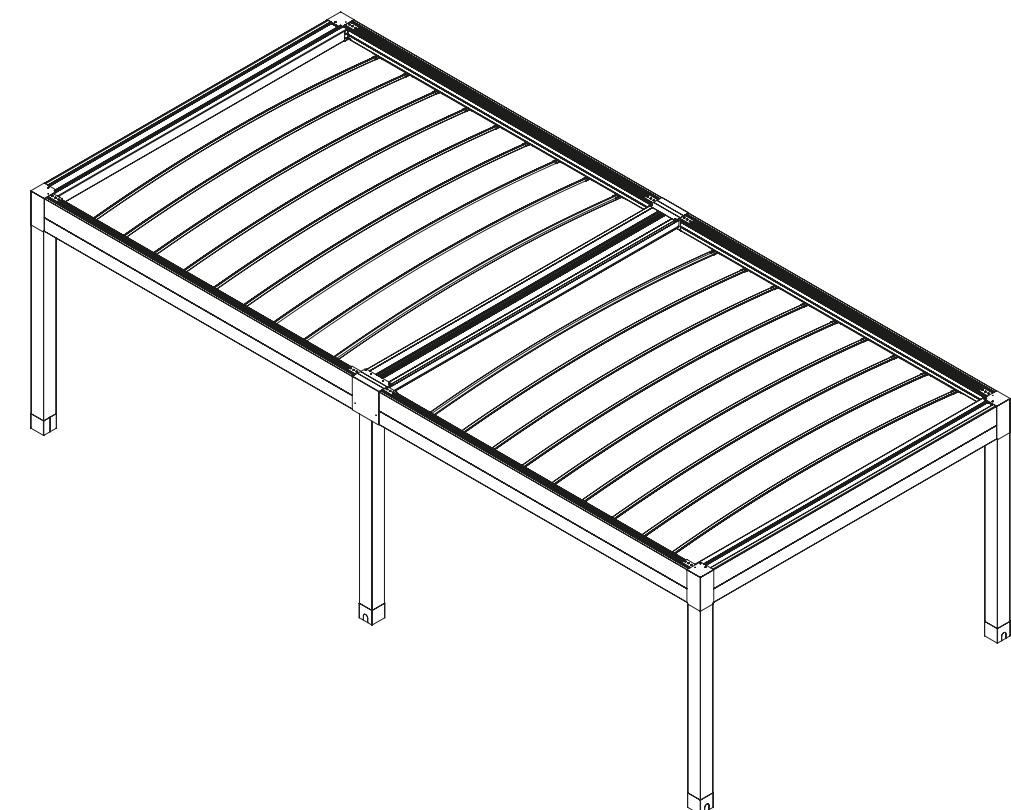
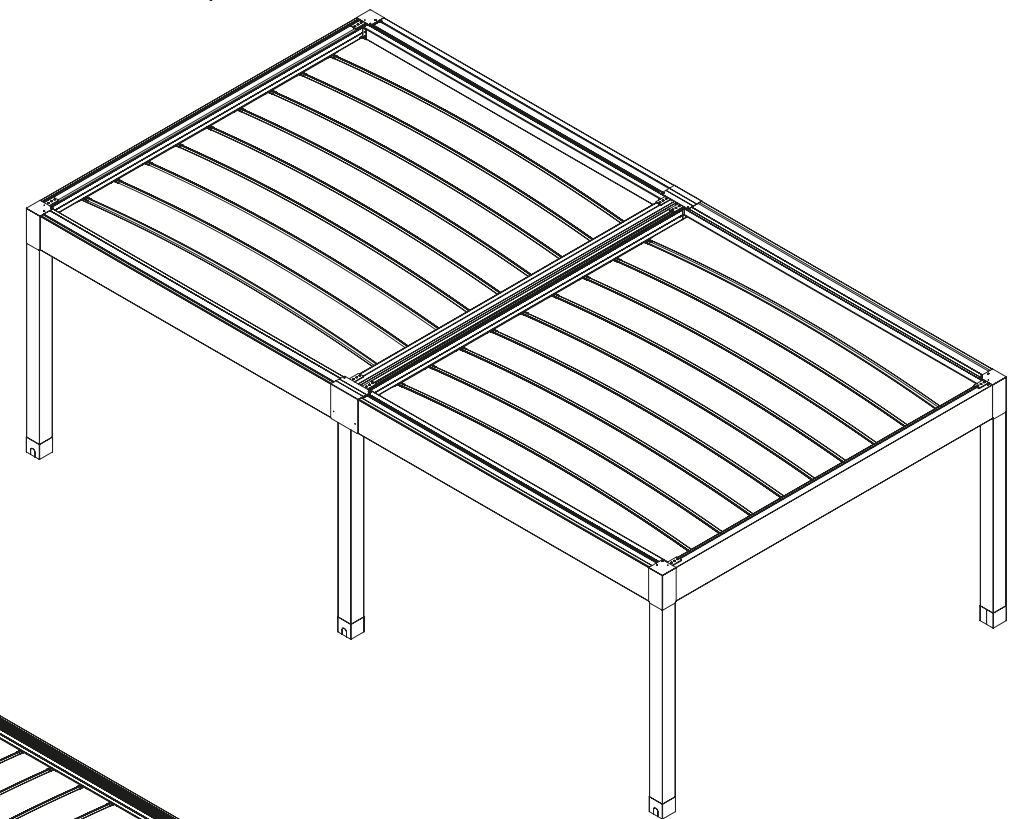
# Pergola dimensions



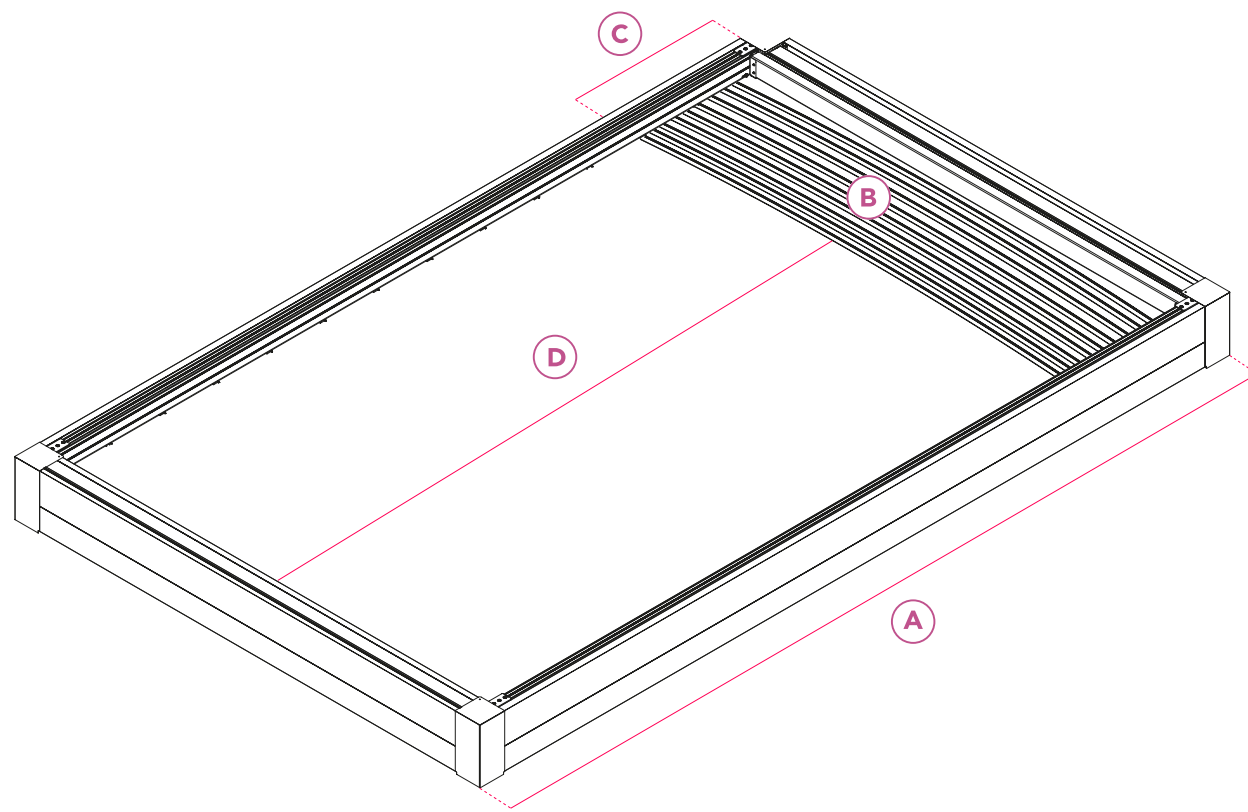
# Configuration



Pergolas side-by-side



## General information



A

B

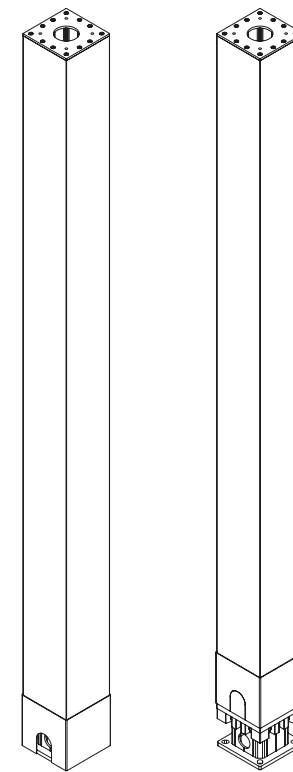
C

D

| Projection | Number of beams | Retracted beams | Free space |
|------------|-----------------|-----------------|------------|
| 200cm      | 6               | 62.8cm          | 112.2cm    |
| 250cm      | 8               | 72.2cm          | 162.8cm    |
| 300cm      | 9               | 76.9cm          | 208.1cm    |
| 350cm      | 11              | 86.3cm          | 248.7cm    |
| 400cm      | 12              | 91cm            | 294cm      |
| 450cm      | 14              | 100.4cm         | 334.6cm    |
| 500cm      | 15              | 105.1cm         | 379.9cm    |
| 550cm      | 16              | 109.8cm         | 425.2cm    |
| 600cm      | 18              | 119.2cm         | 465.8cm    |

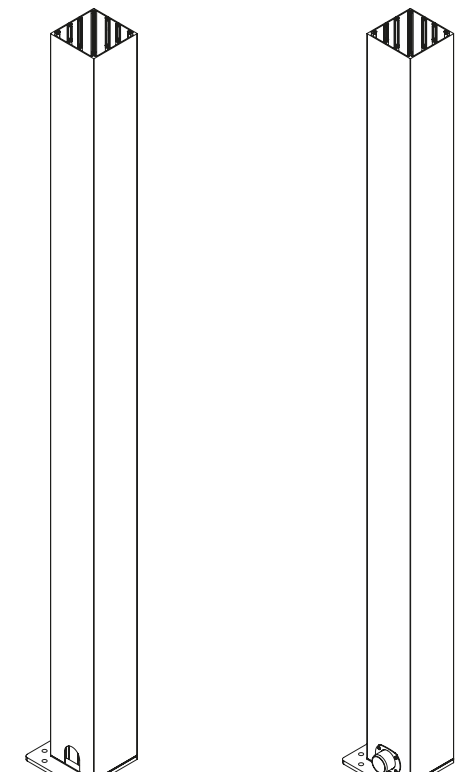
## Customization

Internal (concealed)  
column base



► Oval drainage hole

External column  
base

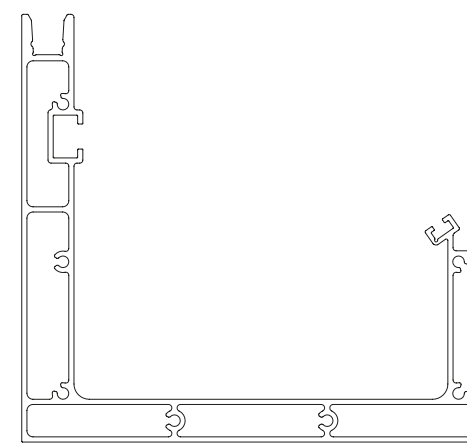


► Oval drainage hole

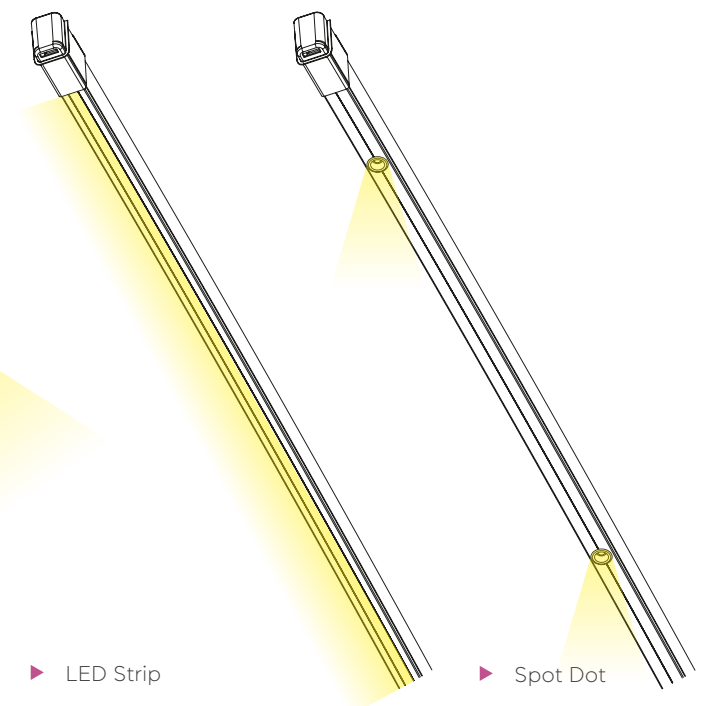
► Drain pipe outlet

Lighting system options

Perimeter LED lighting



LED lighting on the beams



► LED Strip

► Spot Dot









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