03



Technical Manual Pergola MEGA





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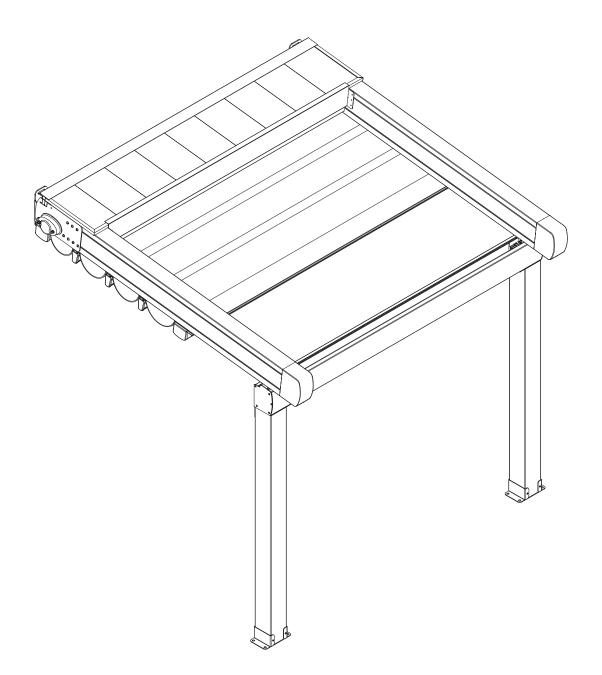
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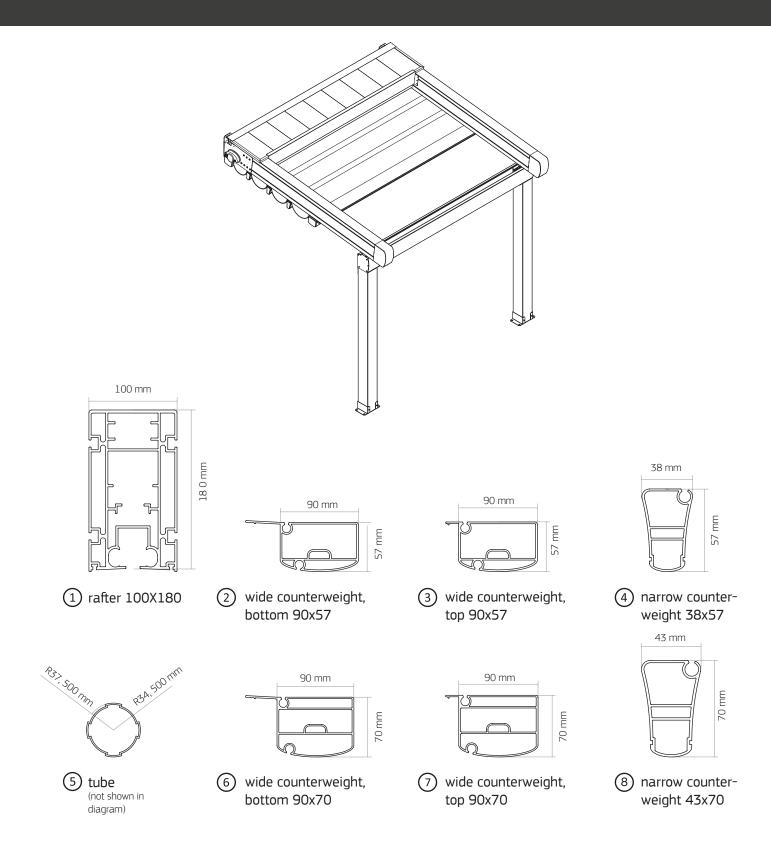


Metaform SA once again innovates and offers a folding aluminum pergola , ideal for large surfaces, which undoubtedly makes the difference.

With special tubular motor and without any accessories, achieves full combination of simplicity - performance , and offers maximum coverage capability and shading.



Profile cross-sections

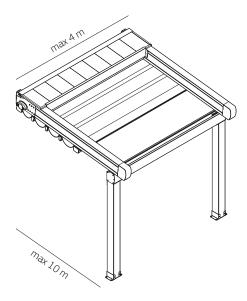


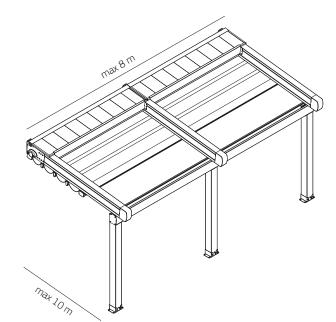
You can choose between counterweights 2-3-4 and 6-7-8

Mega

Maximum pergola projection & maximum rafter distance with 38x57 and 90x57 counterweights.

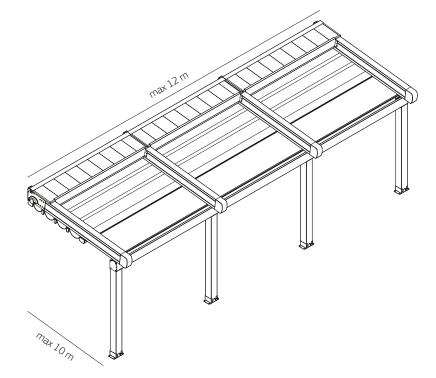
Maximum rafter-to-rafter distance with 38x57 and 90x57 counterweights is 4 metres.





2 rafters

3 rafters

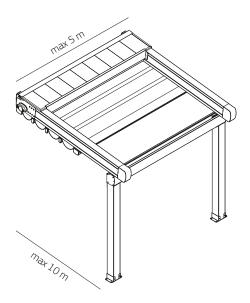


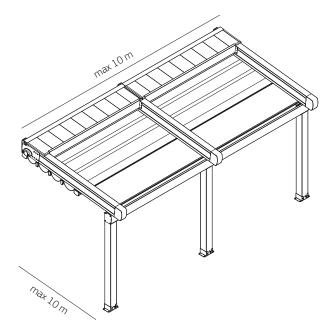
4 rafters

The Mega pergola can reach an projection of up to 10 metres and an axis length of up to 20 metres with six rafters.

Maximum pergola projection & maximum rafter distance with 43x70 and 90x70 counterweights.

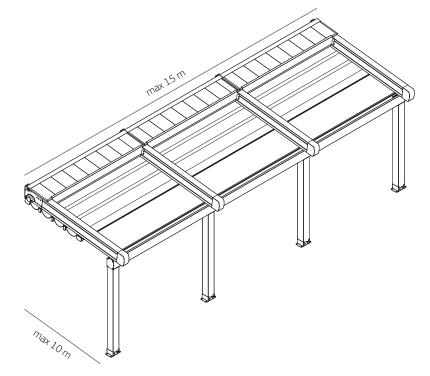
Maximum rafter-to-rafter distance with 43x70 and 90x70 counterweights is 5 metres.





2 rafters

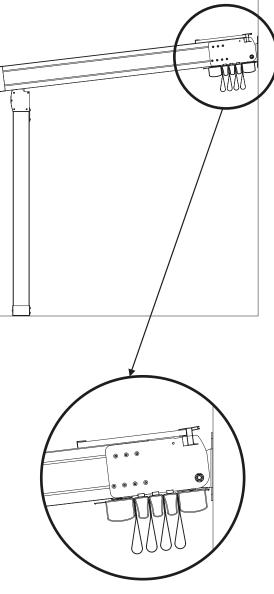
3 rafters



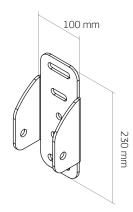
4 rafters

The Mega pergola can reach an projection of up to 10 metres and an axis length of up to 20 metres with five rafters.

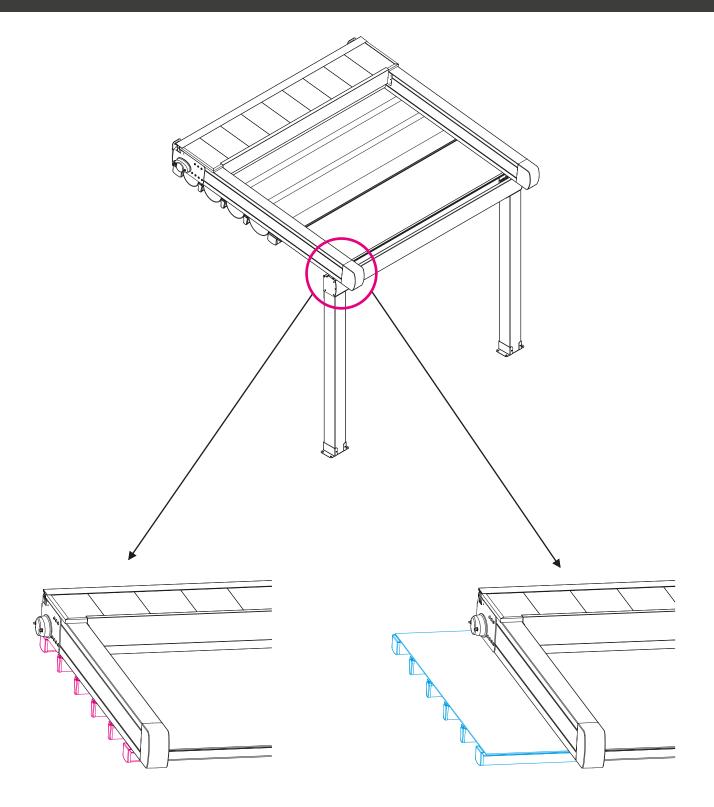




wall base

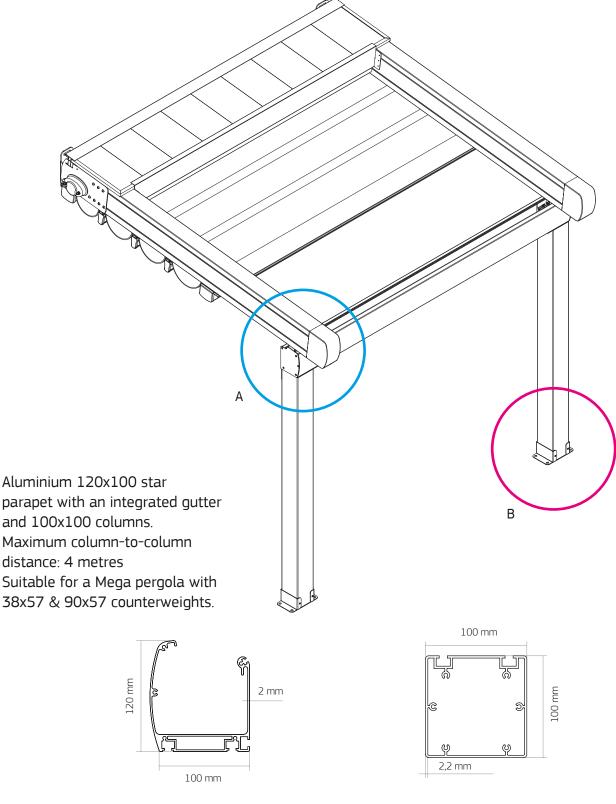


Counterweight overhang choice



Counterweights can extend a minimum of 1cm from the rafter and a maximum of 80cm.

Mega Details of the connection of a pergola with a 120x100 star parapet

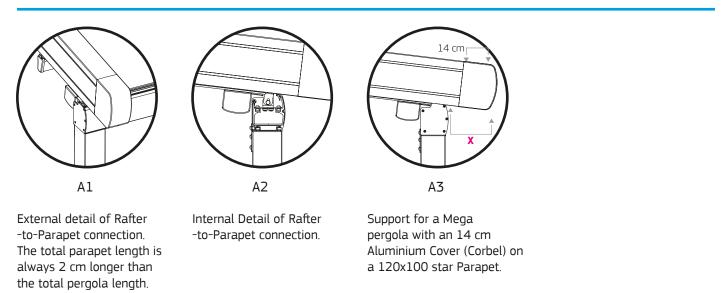


120x100 Parapet-gutter

100x100 Column

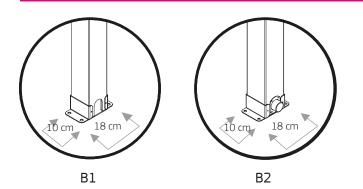
Details of the connection of a pergola with a 120x100 star parapet

Details of the rafter-parapet connection

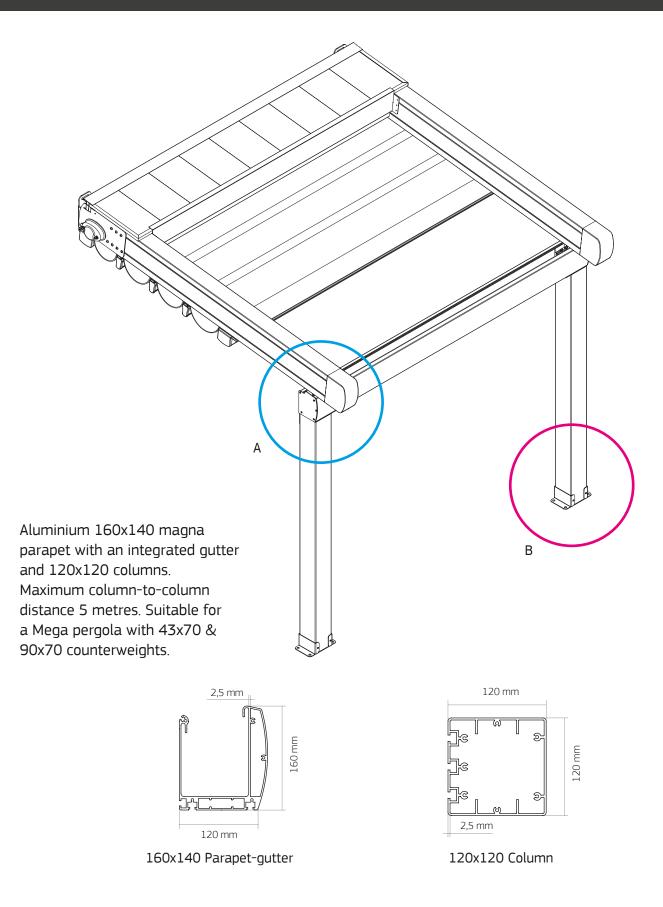


the **X** in images A3, A4 indicates the total overhang of the rafter from the parapet. The minimum overhang is equal to the aluminium cover. The recommended overhang is equal to the aluminium cover + 5 cm

Details of parapet column and rainwater extraction

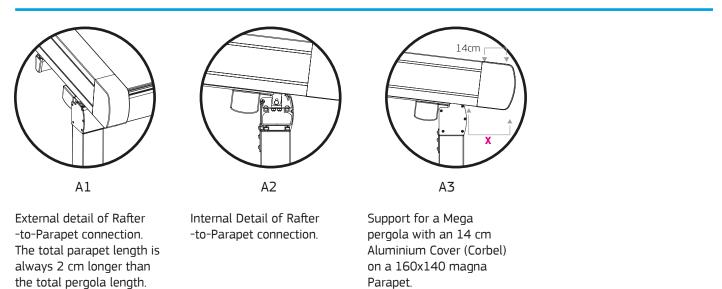


Details of the connection of a pergola with a 160x140 magna parapet



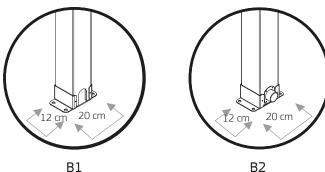
Details of the connection of a pergola with a 160x140 magna parapet

Details of the rafter-parapet connection



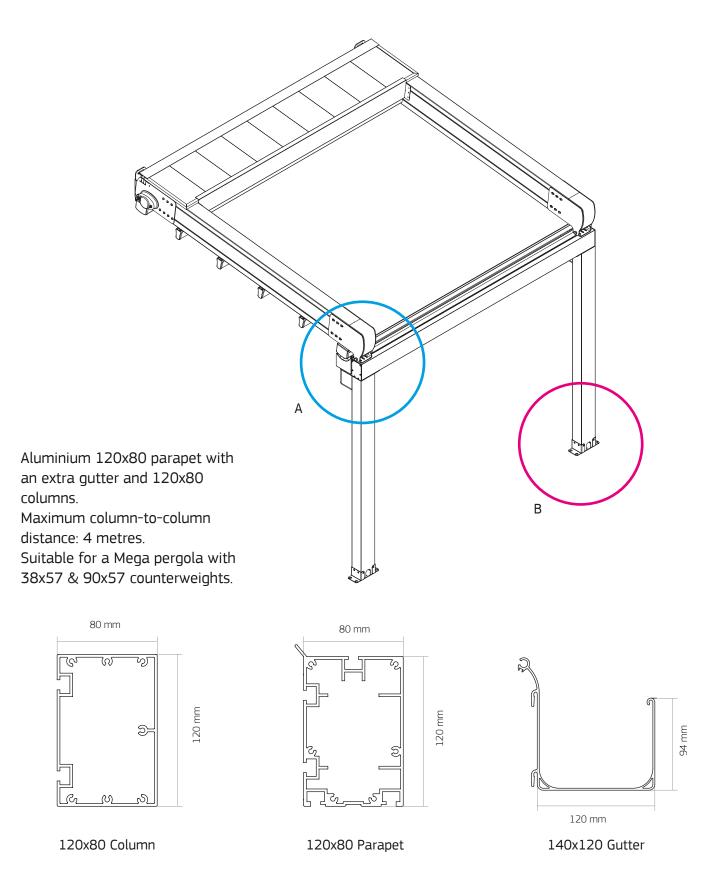
the X in images A3, A4 indicates the total overhang of the rafter from the parapet. The minimum overhang is equal to the aluminium cover. The recommended overhang is equal to the aluminium cover + 5 cm

Details of parapet column and rainwater extraction.





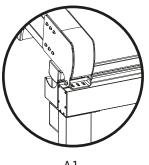
Mega Choices for support of a Mega pergola with a 120x80 parapet



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Choices for support of a Mega pergola with a 120x80 parapet

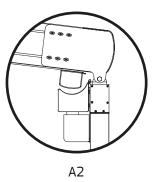
Details of the rafter-parapet connection



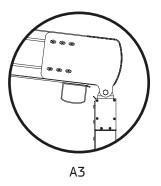
A1

External detail of Rafter -to-Parapet connection. The total parapet length is always 2 cm longer than the total pergola length.

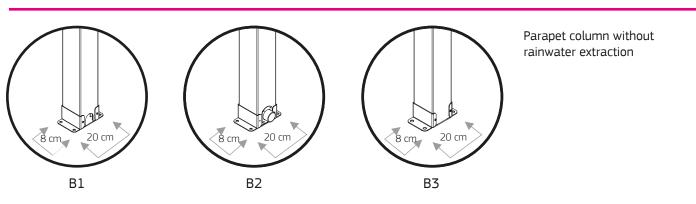
Details of parapet column and rainwater extraction.



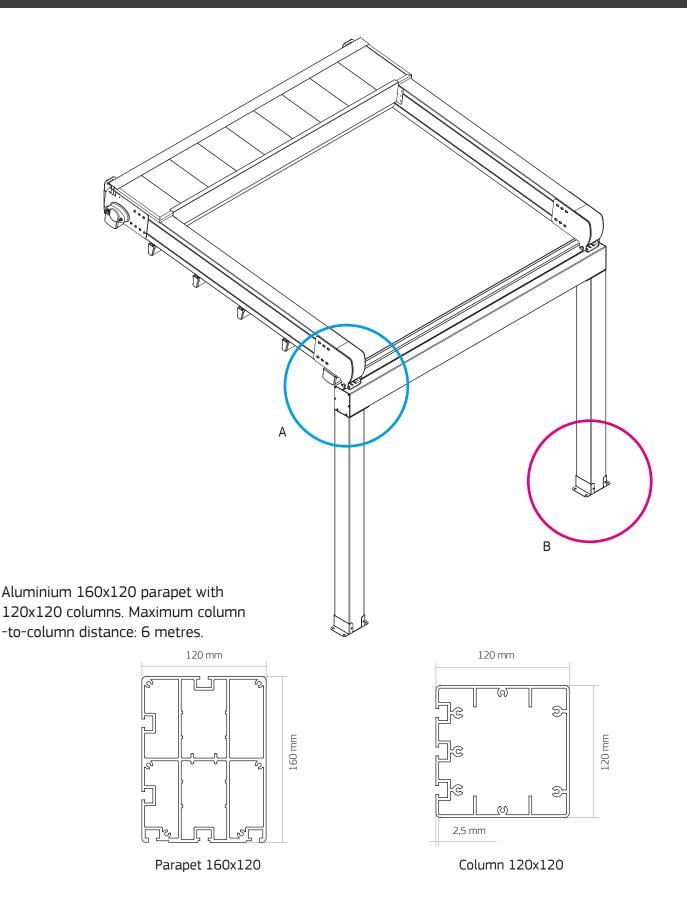
Mega pergola with a face rafter on the 120x80 parapet, 14 cm Aluminium Cover (Corbel) with an extra 140x120 gutter.



Mega pergola with a face rafter on the 120x80 parapet, 14 cm Aluminium Cover (Corbel).

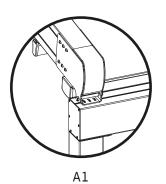


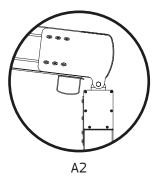
Mega Details of the connection of a pergola with a 160x120 parapet



Details of the connection of a pergola with a 160x120 parapet

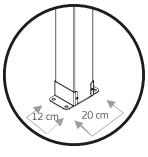
Details of the rafter-parapet connection



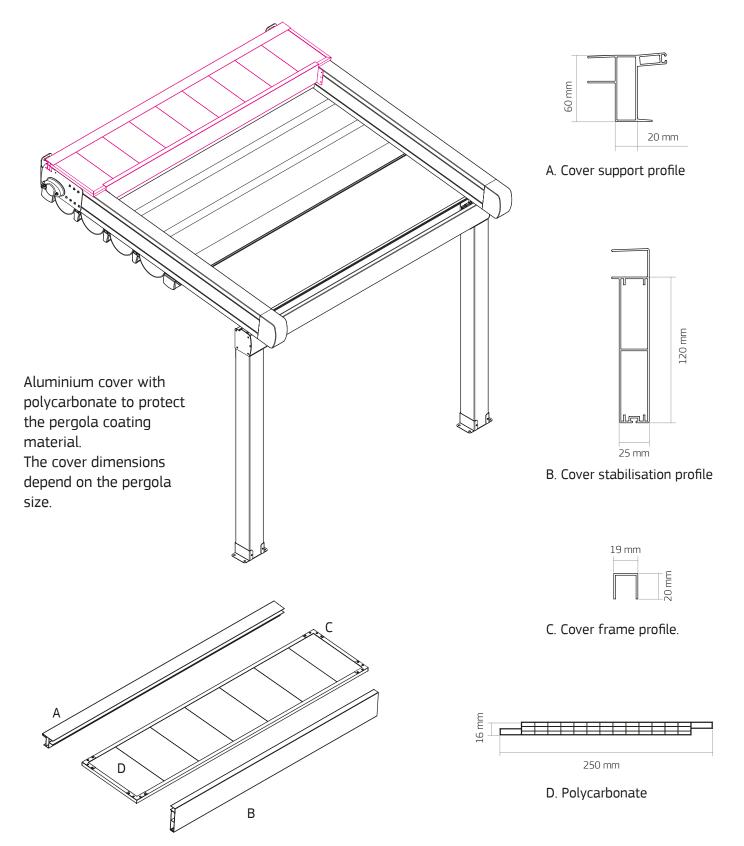


External detail of the Rafter -to-Parapet connection. The total parapet length is always 2 cm longer than the total pergola length. Mega pergola with a face rafter on the 160x120 parapet, 14 cm Aluminium Cover (Corbel).

Details of the parapet column and rainwater extraction



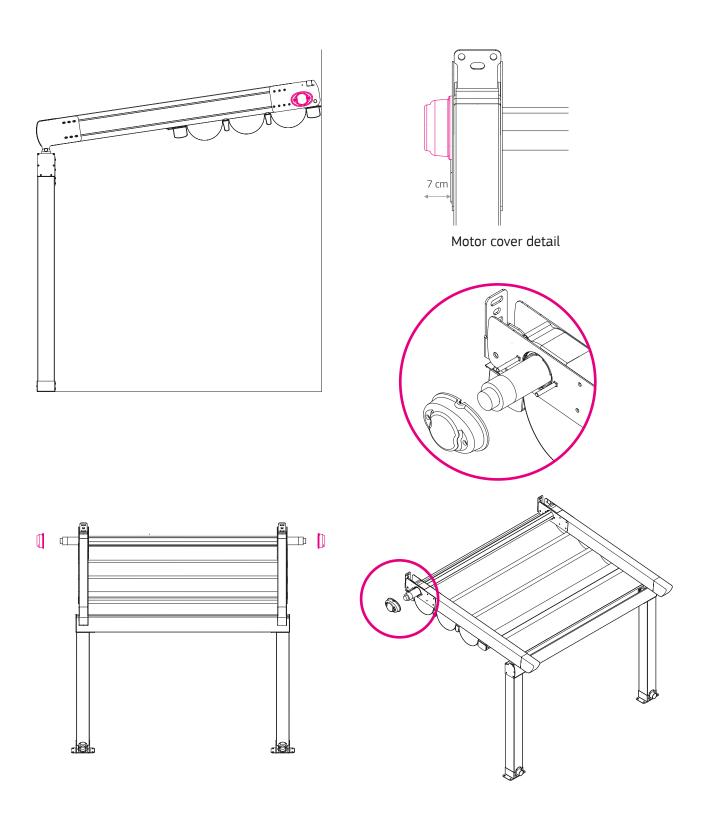




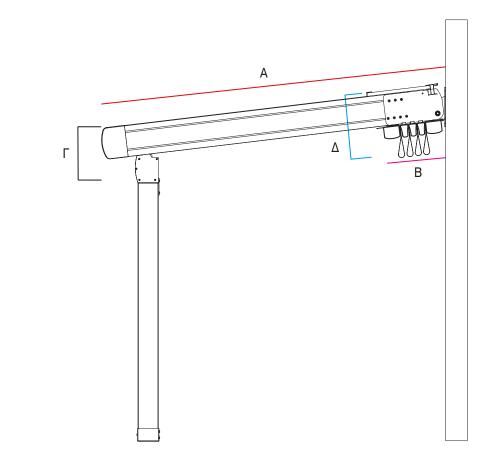
Released cover

Motion transmission motor

Motion is transmitted in the Mega pergola by a tubular motor For pergolas with large areas and special requirements, two tubular motors can be installed.



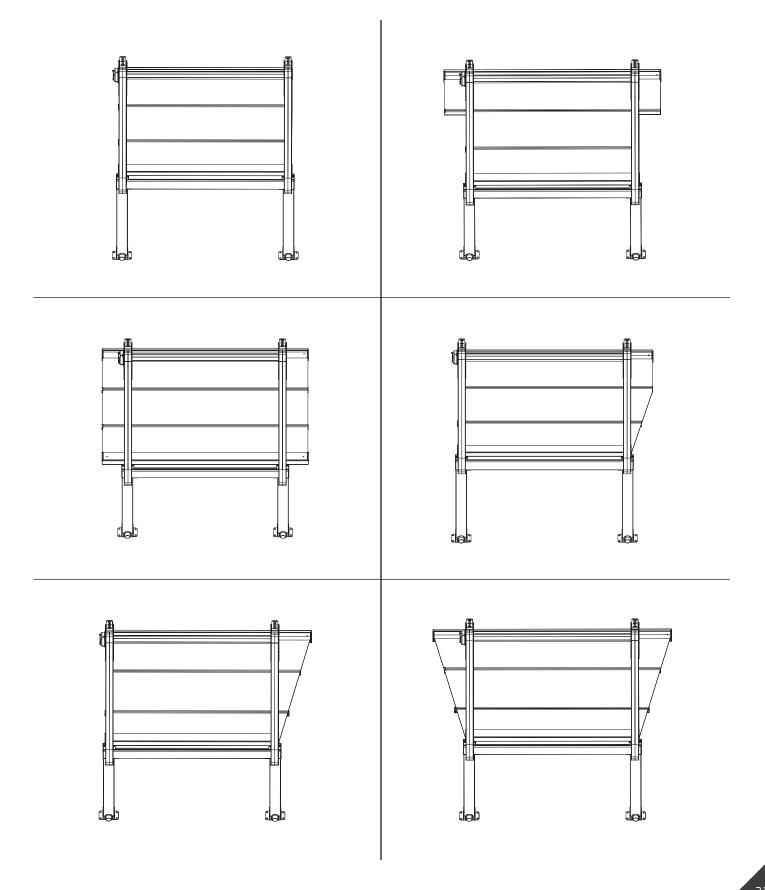
Mega General information on pergola installation



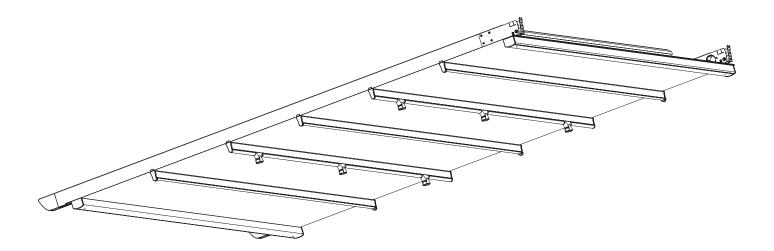
А	В	Г	Δ
Projection	Distance of Retracted Counterweights	Gradient	Depth
250	43,5	32,5	49,25
300	50	39	48,00
350	56,5	45,5	47,17
400	56,5	52	51,33
450	63	58,5	50,14
500	69,5	65	49,25
550	76	71,5	48,56
600	82,5	78	48,00
650	82,5	84,5	50,50
700	89	91	49,82
750	95,5	97,5	49,25
800	102	104	48,77
850	108,5	110,5	48,36
900	108,5	117	50,14
950	115	123,5	49,67
1000	121,5	130	49,25

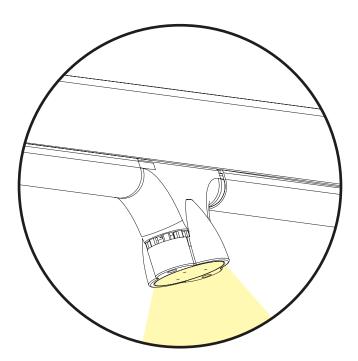
Measurements are in centimeters

Special pergola applications



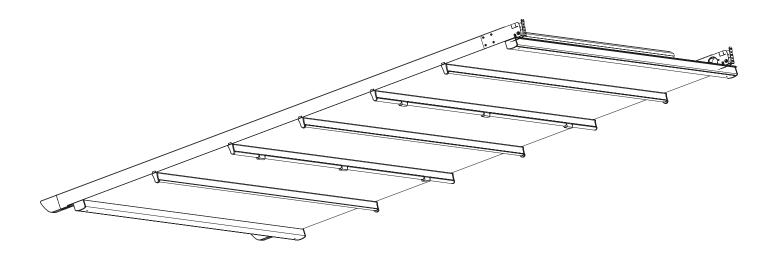


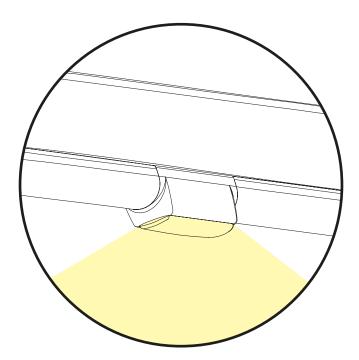




Lighting system with spot-type lighting fixtures. LED 12V lamps with a beam angle of up to 60°. In two lighting colours, Cool White and Warm White.

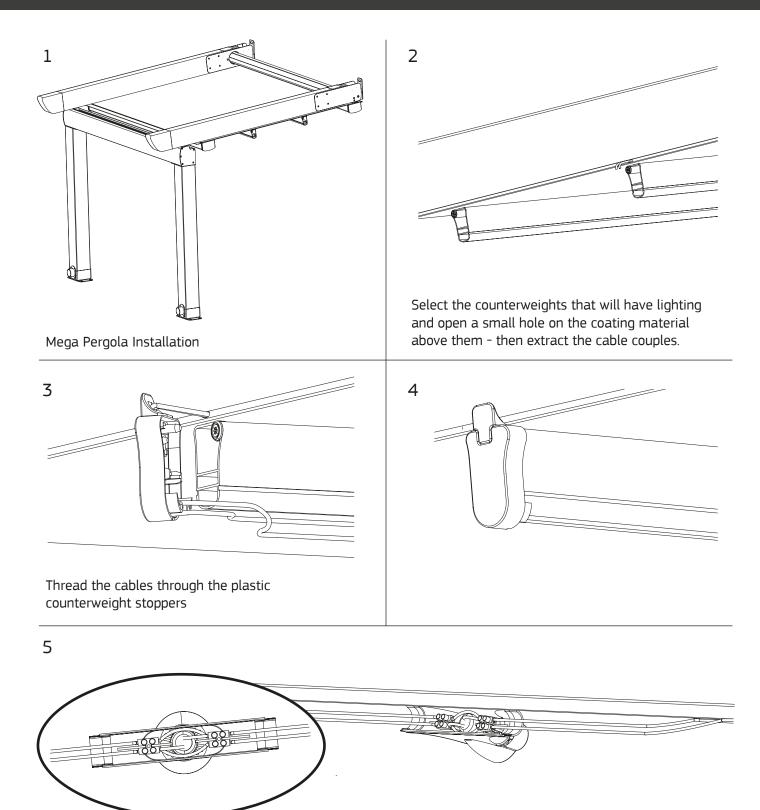
Lighting system





Lighting system with flat lighting fixtures. LED 12V lamps with a beam angle of up to 150°. In two lighting colours, Cool White and Warm White.

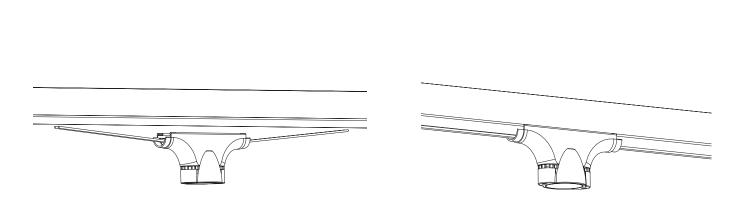
Lighting system Installation instructions



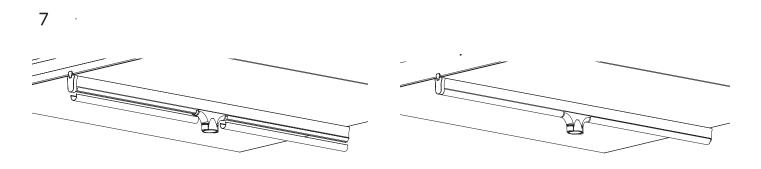
Connect the cables to the lighting fixture. Take one section of the cable found in the packaging and connect it from one lighting fixture to another

Lighting system Installation instructions

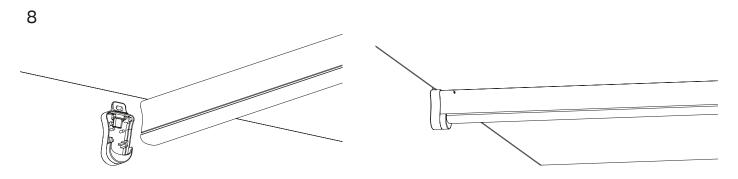
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Clamp the lighting fixtures to the counterweights.

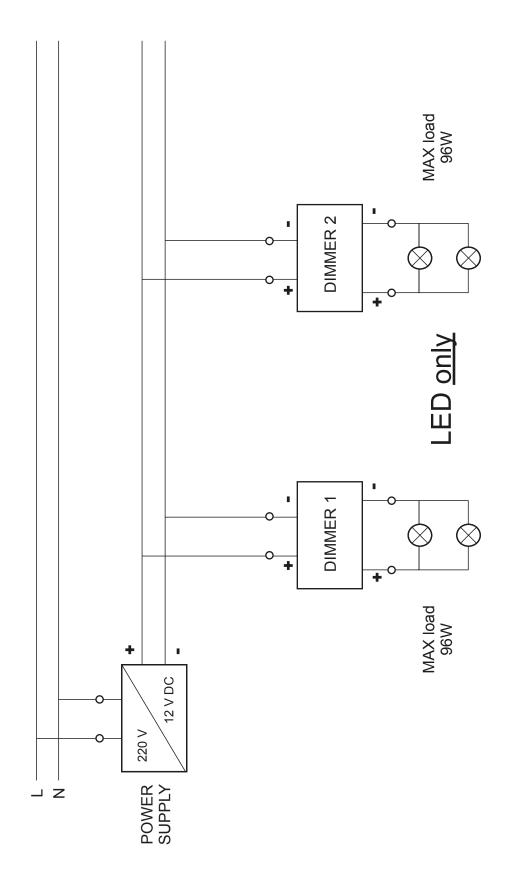


Cover the cables with the special profiles found in the packaging.



Finally, install all the plastic parts of the counterweights.

Lighting system Installation instructions



MF	METAFORM SHADING SYSTEMS T: +30 23940 20300, F: +30 23940 52289, E: mf@metaform.gr Δήλωση Επίδοσης Declaration of Performance PEP/CPR/13561/13					
1	Προϊόν / Product type	TENTA ΠΕΡΓΚΟΛΑ Τύπου Mega / CONSERVATORY AWNING Type Mega				
2	Κωδικόs αναγνώρισηs / Product type reference	MEG				
3	Προοριζόμενη χρήση / Intended use	Σύστημα σκίασης εξωτερικής χρήσης / Shading system for external use				
4	Κατασκευαστήs, διεύθυνση επικοινωνίαs / Manufacturer, address	METAFORM A.E 12ο xλμ. Θεσσαλονίκns - Λαγκαδά, 572 00, Θεσσαλονίκη / METAFORM S.A. 12th Km Thessaloniki - Lagadas, 572 00, Thessaloniki				
5	Εξουσιοδοτημένος αντιπρόσωπος, διεύθυνση επικοινωνίας / Authorised representative, address	ΔΕΝ ΕΦΑΡΜΟΖΕΤΑΙ / Ν.Α				
6	Εναρμονισμένο Πρότυπο / Harmonized standard Ref	EN 13561:2004 + A1:2008 "Εξωτερικέs περσίδεs – Απαιτήσειs επιδόσεων και ασφάλειαs" / EN 13561:2004 + A1:2008 "External Blinds – Performance requirements including safety"				
7	Σύστημα αξιολόγησης της απόδοσης / System of assessment and verification of constancy of performance	4				
8	Ουσιώδη χαρακτηριστικά / Essential Characteristic	Δηλωθείσα απόδοση / Τεχνική προδιαγραφή / Declared Performance Technical specification				
	Αντοχή σε ανεμοπίεση / Wind resistance	Movτέλο / Model MEG01	Κλάση / Class 3	EN 1932:2001 "Αντοχή σε ανεμοπίεση - μέθοδοι δοκιμών" / EN 1932:2001 "Resistance to wild loads - Method of testing"		
9	Κοινοποιημένος Φορέας / Notified Body	Εξέδωσε το Πιστοποιητικό Συμμόρφωσης / Issued the Certificate of Conformity				
	ΔΕΝ ΕΦΑΡΜΟΖΕΤΑΙ / Ν.Α.	ΔΕΝ ΕΦΑΡΜΟΖΕΤΑΙ / Ν.Α.				
10	Η απόδοση του προϊόντος που ταυτοποιείται στα σημεία 1 και 2 ανταποκρίνεται προς την απόδοση που δηλώθηκε στο σημείο 8. Η παρούσα δήλωση απόδοσης εκδίδεται με αποκλειστική ευθύνη του κατασκευαστή που ταυτοποιείται στο σημείο 4.					
	The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.					
	Υπογραφή για λογαριασμό και εξ ονόματοs του κατασκευαστή από / Signed for and on behalf of the manufacturer by:					
	Φραγκόπουλοs Στυλιανόs - Υπεύθυνοs Ποιότηταs Fragopoulos Stelios – Quality Manager					
	Τόποs και ημερομηνία έκδοσηs / Place and date of issue			Υπογραφή / Signature		
	Θεσσαλονίκn / Thessaloniki	//20				



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