

VENTO ECO

Bioclimatic Roof System

Ekonomik Bioklimatik Tavan Sistemi



6063-T6 ALUMINUM PROFILES

TECHNICAL CATALOG | MM (FEET-INCH)

VENTO ECO

Eko Bioklimatik / Eco Bioclimatic



VENTO ECO Bioklimatik, deęişken hava koşullarına duyarlı olarak çalışır. Kendi ekseninde dönebilen panelleri sayesinde güneş ışınlarını engeller veya içeri alabilir. Bu paneller, farklı açılarda ayarlanabilir ve iklim koşullarından korunmak için tamamen kapatılabilir. Otomatik olarak ayarlanabilen bir havalandırma sistemi ile donatılmıştır. Bu sayede, iç mekan sıcaklığı kontrol edilebilir ve hava sirkülasyonu sağlanarak rahat bir ortam elde edilir. VENTO ECO Bioklimatik ayrıca, LED aydınlatma sistemleri, ısıtma sistemleri ve müzik sistemleri gibi çeşitli aksesuarlarla da donatılabilir. Bu özellikleri sayesinde, VENTO ECO Bioklimatik; bahçe, teras veya verandalar gibi açık hava alanlarında rahat ve keyifli bir yaşam alanı yaratmak için ideal bir seçenektir.

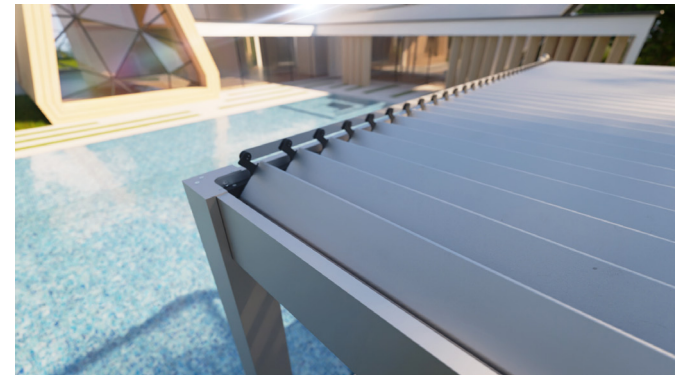
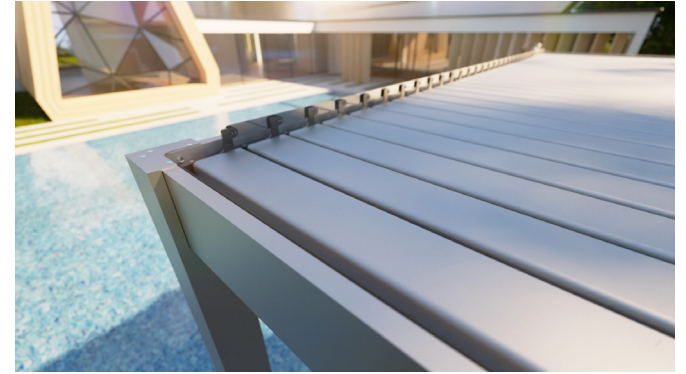
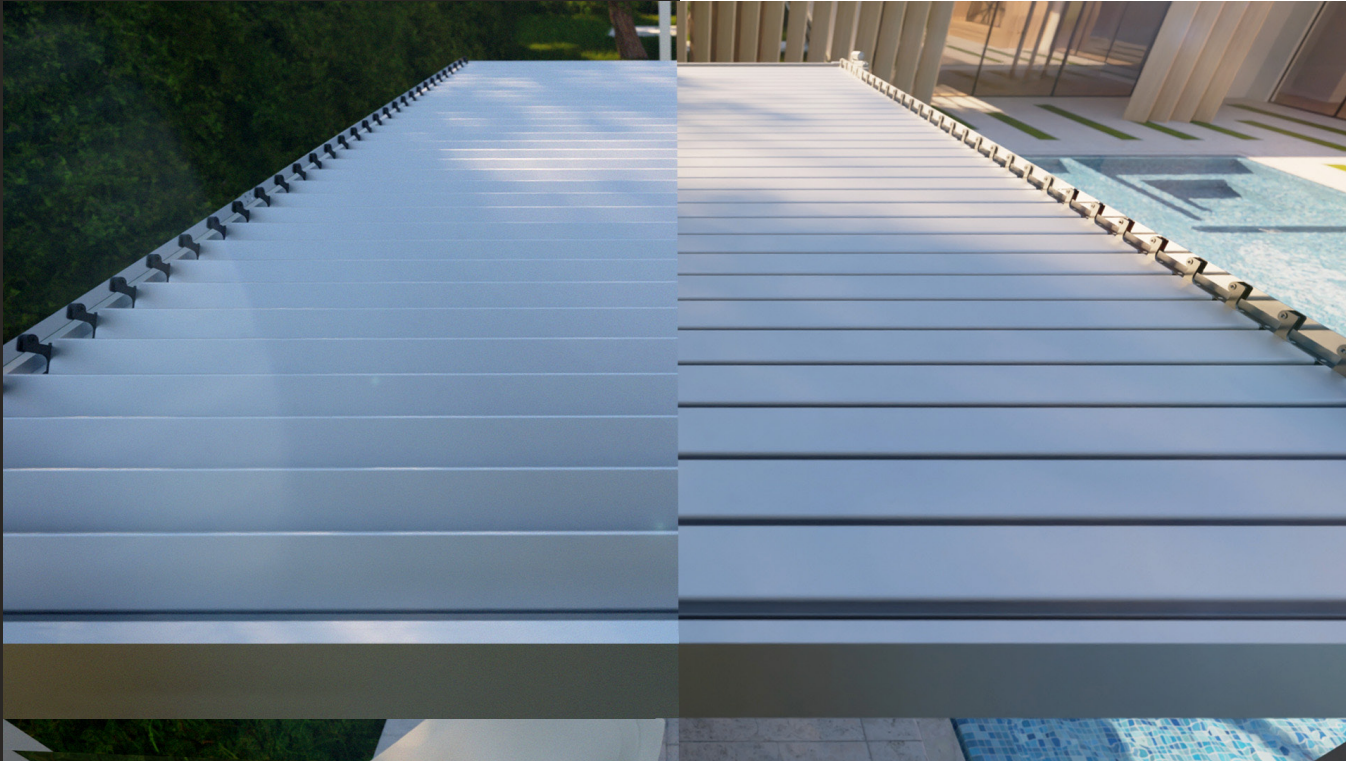
LATVERA Architectural Systems | www.latvera.com

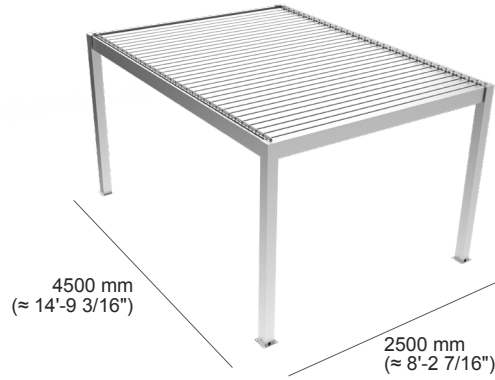
VENTO ECO Bioclimatic works sensitively to variable weather conditions. Thanks to its rotatable panels , it can block the sun's rays or let them in. These panels can be adjusted at different angles and can be closed completely to protect from climatic conditions. It is equipped with an automatically adjustable ventilation system. Indoor temperature can be controlled and a comfortable environment is obtained by providing air circulation by this way. VENTO ECO Bioclimatic can also be equipped with various accessories such as LED lighting systems, heating systems and music systems. VENTO ECO Bioclimatic is an ideal option to create a comfortable and pleasant living space in open-air areas such as gardens, terraces or verandas.



Outdoor of Art

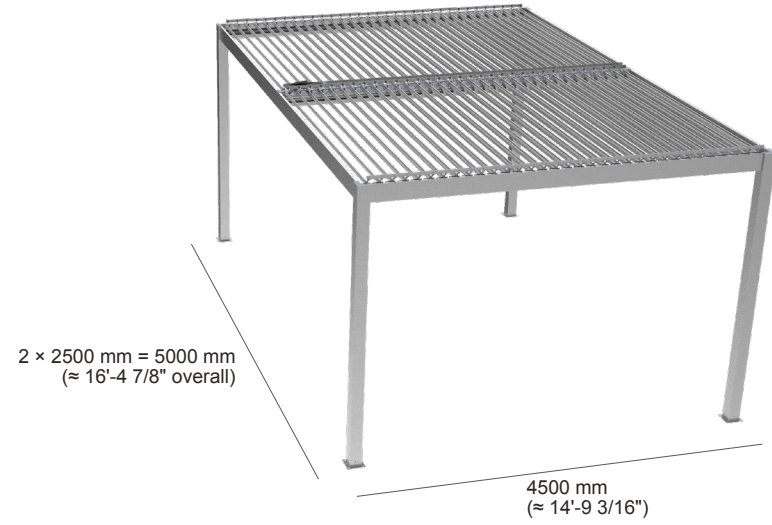
Dış Yaşamda Sanat





Area / Alan: 11.25 m² (121.09 sq ft)

Weight / Ağırlık: project-specific / projeye göre



Area / Alan: 22.50 m² (242.19 sq ft)

Weight / Ağırlık: project-specific / projeye göre

TECHNICAL SPECIFICATIONS

Teknik özellikler

Maximum module / Maksimum modül

2500 × 4500 mm (≈ 8'-2 7/16" × 14'-9 3/16")

Maximum blade length / Maksimum lamel

2500 mm (≈ 8'-2 7/16")

Louver travel / Lamel açısı

0° to 105° / 0° ile 105°

Materials / Malzemeler

6063-T6 aluminum profiles; stainless steel and Delrin components.

Finish / Yüzey

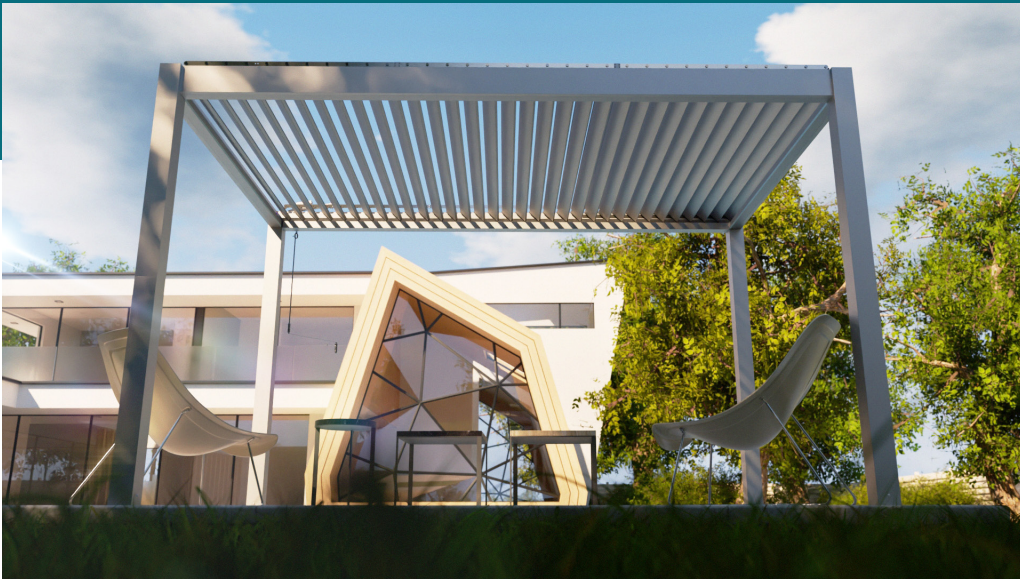
RAL color selection; confirm the physical finish sample.

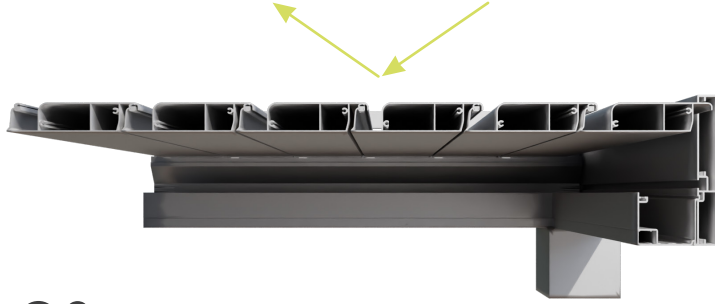
Manufacturing dimensions: mm. Imperial values are rounded to 1/16 in.

OPTIONAL EQUIPMENT

Opsiyonel ekipmanlar

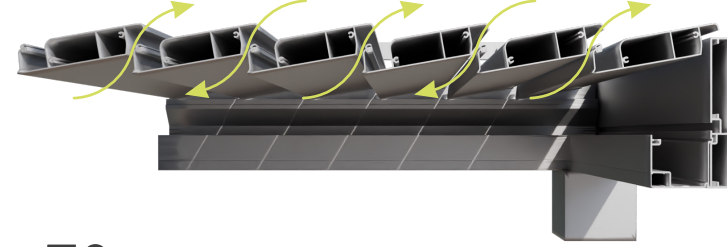
- LED lighting: white, warm white or RGB
- Infrared heating
- Transmitter and central control
- Smartphone control
- Sun sensor
- Wind sensor
- Rain sensor





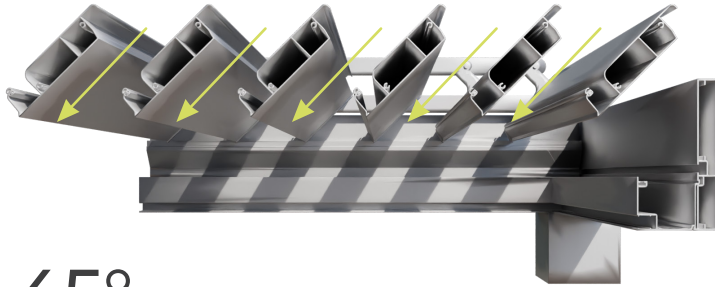
0°

Lamellerin kapalı kalması her türlü hava koşulundan koruma sağlar.
Provides protection from all weather conditions the roof remains closed.



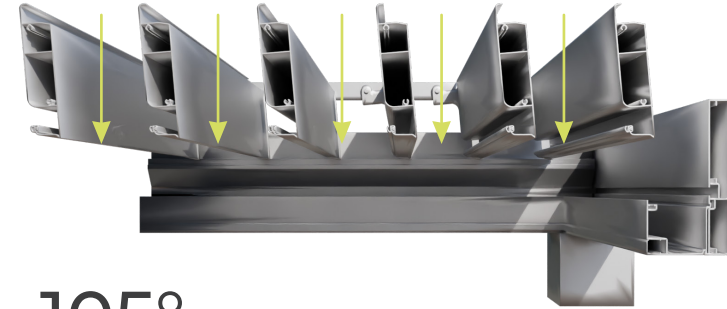
5°

Yağmur veya kar yağıyor olsa bile alanın havalandırmasına izin verir.
Provide the ventilation of the area even if it is raining or snowing.



45°

Güneş ışığının girmesine izin verir, yine de aydınlatmayı kontrol eder.
Allows the sunlight to enter, still controls the lighting.

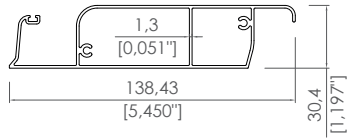
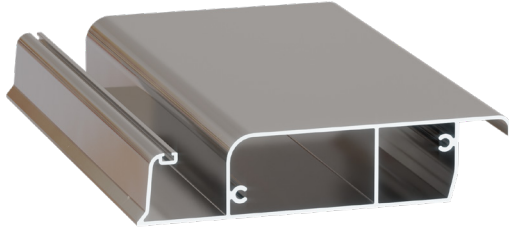


105°

Güneş ışığının tam olarak kullanılmasına izin verir.
Permits full use of the sunlight.

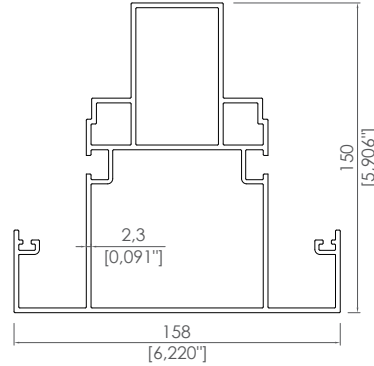
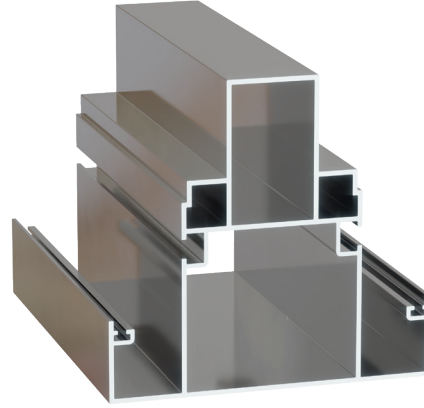






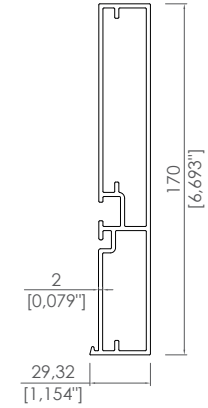
Panel Profili / Panel Profile

Ürün Kodu / Product Code	3224
Ağırlık / Weight	1,328 kg/m 2,924 lb/m



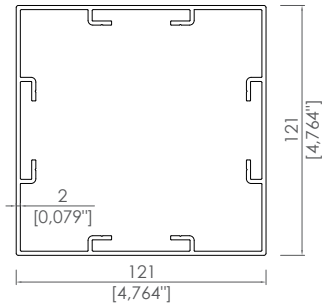
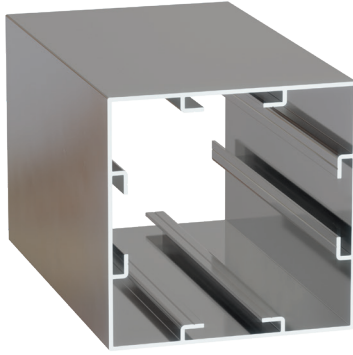
Orta Taşıyıcı Profili / Middle Beam

Ürün Kodu / Product Code	3217
Ağırlık / Weight	4,943 kg/m 10,89 lb/m



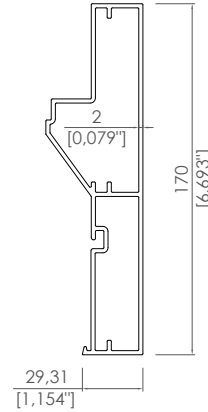
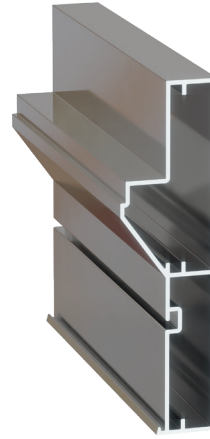
Ön Taşıyıcı Profili / Front Beam Profile

Ürün Kodu / Product Code	3224
Ağırlık / Weight	1,328 kg/m 2,927 lb/m



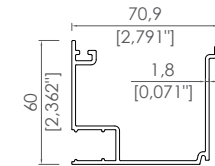
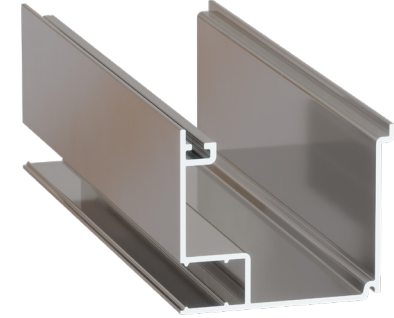
Direk Ayak Profili / Pillar Profile

Ürün Kodu / Product Code	3220
Ağırlık / Weight	3,284 kg/m 7,239 lb/m



Yan Taşıyıcı Profili / Side Beam Profile

Ürün Kodu / Product Code	3218
Ağırlık / Weight	2,558 kg/m 5,639 lb/m

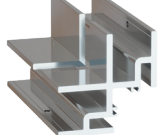


Oluk Profili / Gutter Profile

Ürün Kodu / Product Code	3221
Ağırlık / Weight	1,111 kg/m 2,449 lb/m

 Panel Yan Kapak (Sol) <i>Panel Side Cover (Left)</i>		 Panel Yan Kapağı <i>Panel Side Cover</i>		 Panel Bağlantı Plastiği <i>Panel Connection Plastic</i>		 Kilit Plastiği <i>Lock Plastic</i>		 3,9 x 25 Akıllı Vida <i>Self Drilling Screw</i>		 4,2 x 32 Akıllı Vida <i>Self Drilling Screw</i>	
Kod <i>Code</i>	MB-1	Miktar <i>Quantity</i>	1 Pcs	Miktar <i>Quantity</i>	1 Pcs	Miktar <i>Quantity</i>	1 Pcs	Miktar <i>Quantity</i>	2 Pcs	Miktar <i>Quantity</i>	2 Pcs

 Panel Yan Kapak (Sağ) <i>Panel Side Cover (Right)</i>		 Panel Yan Kapağı <i>Panel Side Cover</i>		 Panel Bağlantı Plastiği <i>Panel Connection Plastic</i>		 Kilit Plastiği <i>Lock Plastic</i>		 3,9 x 25 Akıllı Vida <i>Self Drilling Screw</i>		 4,2 x 32 Akıllı Vida <i>Self Drilling Screw</i>	
Kod <i>Code</i>	MB-2	Miktar <i>Quantity</i>	1 Pcs	Miktar <i>Quantity</i>	1 Pcs	Miktar <i>Quantity</i>	1 Pcs	Miktar <i>Quantity</i>	2 Pcs	Miktar <i>Quantity</i>	2 Pcs

 Direk Oluk Bağlantı Takımı <i>Gutter to Pillar Connection Set</i>		 Köşe Takoz Profili <i>Corner Block Profile</i>		 Su Oluk Plastiği <i>Water Gutter Plastic</i>		 120x120 Direk Üst Kapak <i>120x120 Pillar Top Cover</i>		 Zemin Bağlantı Sacı <i>Floor Mounting Flange</i>		 M8 x 12 Yuvarlak Başlı İmbus Civata <i>Round Head Imbus Bolt</i>		 M6 x 6 İmbus Civata <i>Imbus Bolt</i>	
Kod <i>Code</i>	MB-3	Miktar <i>Quantity</i>	4 Pcs	Miktar <i>Quantity</i>	4 Pcs	Miktar <i>Quantity</i>	4 Pcs	Miktar <i>Quantity</i>	4 Pcs	Miktar <i>Quantity</i>	8 Pcs	Miktar <i>Quantity</i>	8 Pcs

 M5 x 25 Trapez Vida <i>Trapezoidal Screw</i>		 4,8 x 25 Akıllı Vida <i>Self Drilling Screw</i>	
Miktar <i>Quantity</i>	16 Pcs	Miktar <i>Quantity</i>	16 Pcs

 Orta Ray Grubu Middle Rail Group	
Kod Code	MB-5
Miktar Quantity	1 Pcs

 Orta Ray Bağlantı Sacı Middle Beam Connecting Flange	
Miktar Quantity	2 Pcs

 M8 x 12 Havşa Başlı İmbus Civata Countersunk Head Imbus Bolt	
Miktar Quantity	8 Pcs

 M8 Kare Kaynak Somun M8 Square Weld Nut	
Miktar Quantity	8 Pcs

 Kilit Sacı Bağlantı Takımı Lock Sheet Fastening Kit	
Kod Code	MB-6
Miktar Quantity	1 Pcs

 Kilit Aparatı Sacı Lock Apparatus Sheet	
Miktar Quantity	4 Pcs

 M4 x 10 Havşa Başlı İmbus Civata Countersunk Head Imbus Bolt	
Miktar Quantity	8 Pcs

 M8 Fiber Somun M8 Fiber Nut	
Miktar Quantity	16 Pcs

 Tekli Sistem Piston Bağlantı Takımı (Sağ) Single System Piston Connection Kit (Right)	
Kod Code	MB-14
Miktar Quantity	1 Pcs

 Tekli Sistem Piston Bağlantı Aparatı Single System Piston Connection Apparatus	
Miktar Quantity	1 Pcs

 Piston Sabitleme Sacı Piston Fixing Sheet	
Miktar Quantity	1 Pcs

 M6 x 12 İmbus Civata Imbus Bolt	
Miktar Quantity	2 Pcs

 M8 Fiber Somun M8 Fiber Nut	
Miktar Quantity	2 Pcs

 M6 Fiber Somun M6 Fiber Nut	
Miktar Quantity	2 Pcs

 M8 x 40 İmbus Civata Imbus Bolt	
Miktar Quantity	2 Pcs

 M5 x 25 Trapez Vida Trapezoidal Screw	
Miktar Quantity	3 Pcs

 Tekli Sistem Piston Bağlantı Takımı (Sol) Single System Piston Connection Kit (Left)		 Tekli Sistem Piston Bağlantı Aparatı Single System Piston Connection Apparatus		 Piston Sabitleme Sacı Piston Fixing Sheet		 M6 x 12 İmbus Civata Imbus Bolt		 M8 Fiber Somun M8 Fiber Nut		 M6 Fiber Somun M6 Fiber Nut		 M8 x 40 İmbus Civata Imbus Bolt	
Miktar Quantity	1 Pcs	Miktar Quantity	1 Pcs	Miktar Quantity	2 Pcs	Miktar Quantity	2 Pcs	Miktar Quantity	2 Pcs	Miktar Quantity	2 Pcs		
Kod Code	MB-15												
Miktar Quantity	1 Pcs												



Aydınlatma Kapağı
Lighting Cover

Kod
Code

MB-9



Redüktör Kolu
Reducer Arm

Kod
Code

MB-10



Kilit Sacı Baş Son
Lock Sheet Head Last

Kod
Code

MB-11



EPDM Conta
EPDM Gasket

Kod
Code

MB-8



Elektrikli Piston
Electric Piston

Kod
Code

MB-4



Kilit Sacı Orta
Lock Sheet Middle

Kod
Code

MB-12



İzole Led
Insulated Led

Kod
Code

PaI-145



24V / 8,5A Dış Mekan Trafo
Dimmer Alıcı Kumanda
Outdoor Transformer
Dimmer Receiver Control

Kod
Code

MB-13



Kontrol ve Kumanda Paneli
24V / 8,5A Trafo Seti
Control and Control Panel
24V / 8,5A Transformer Set

Kod
Code

MB-16

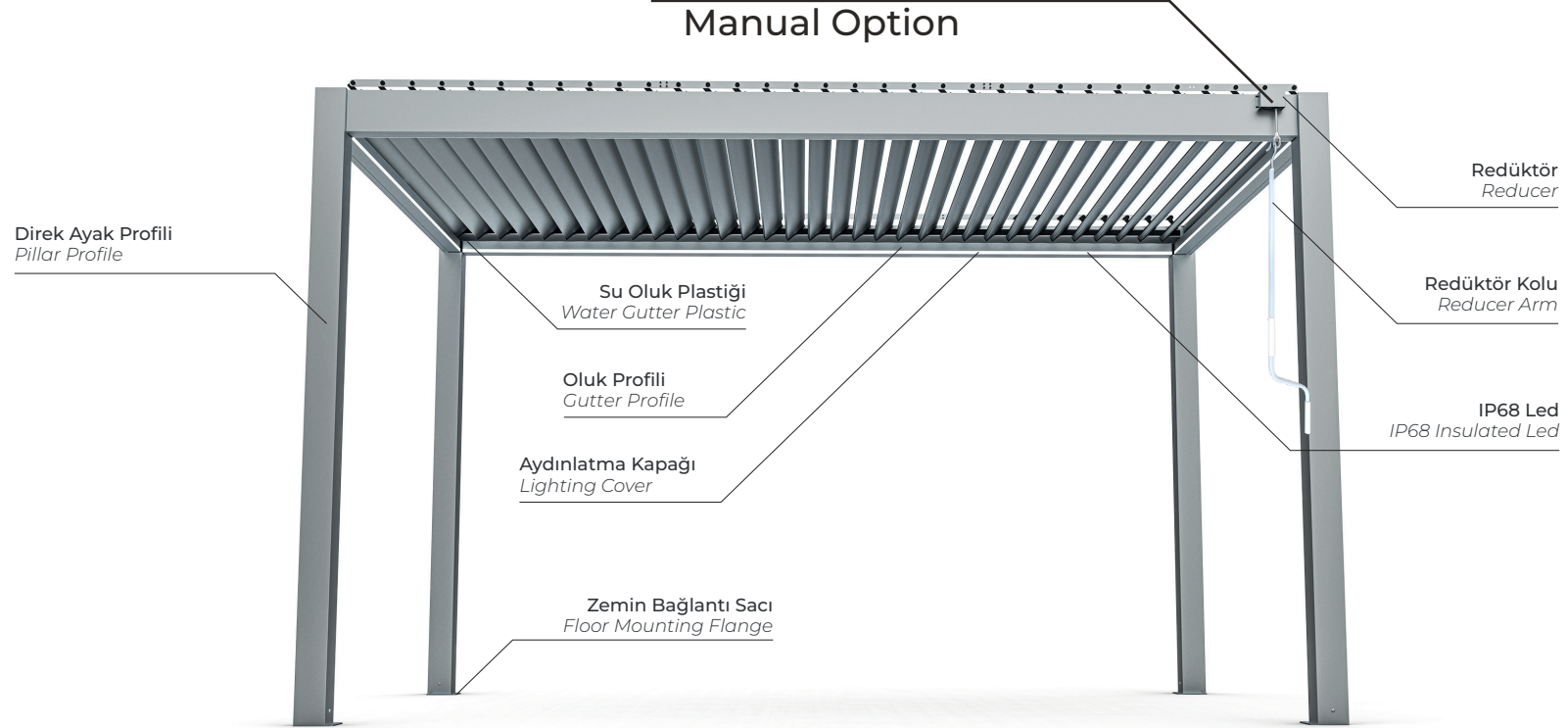
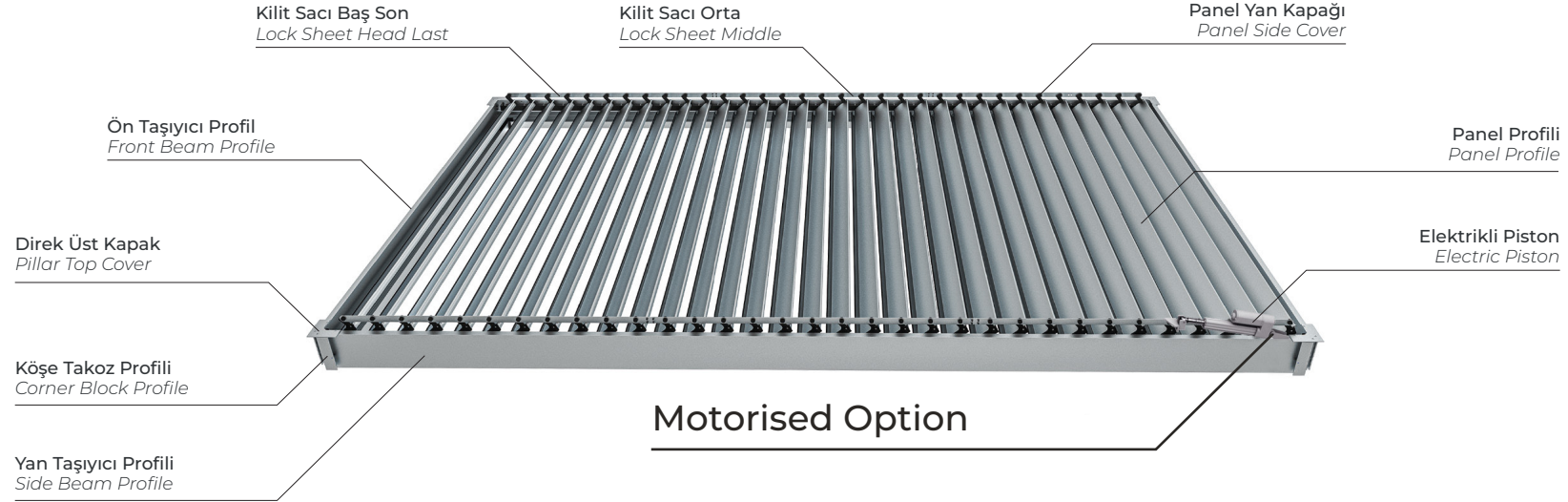


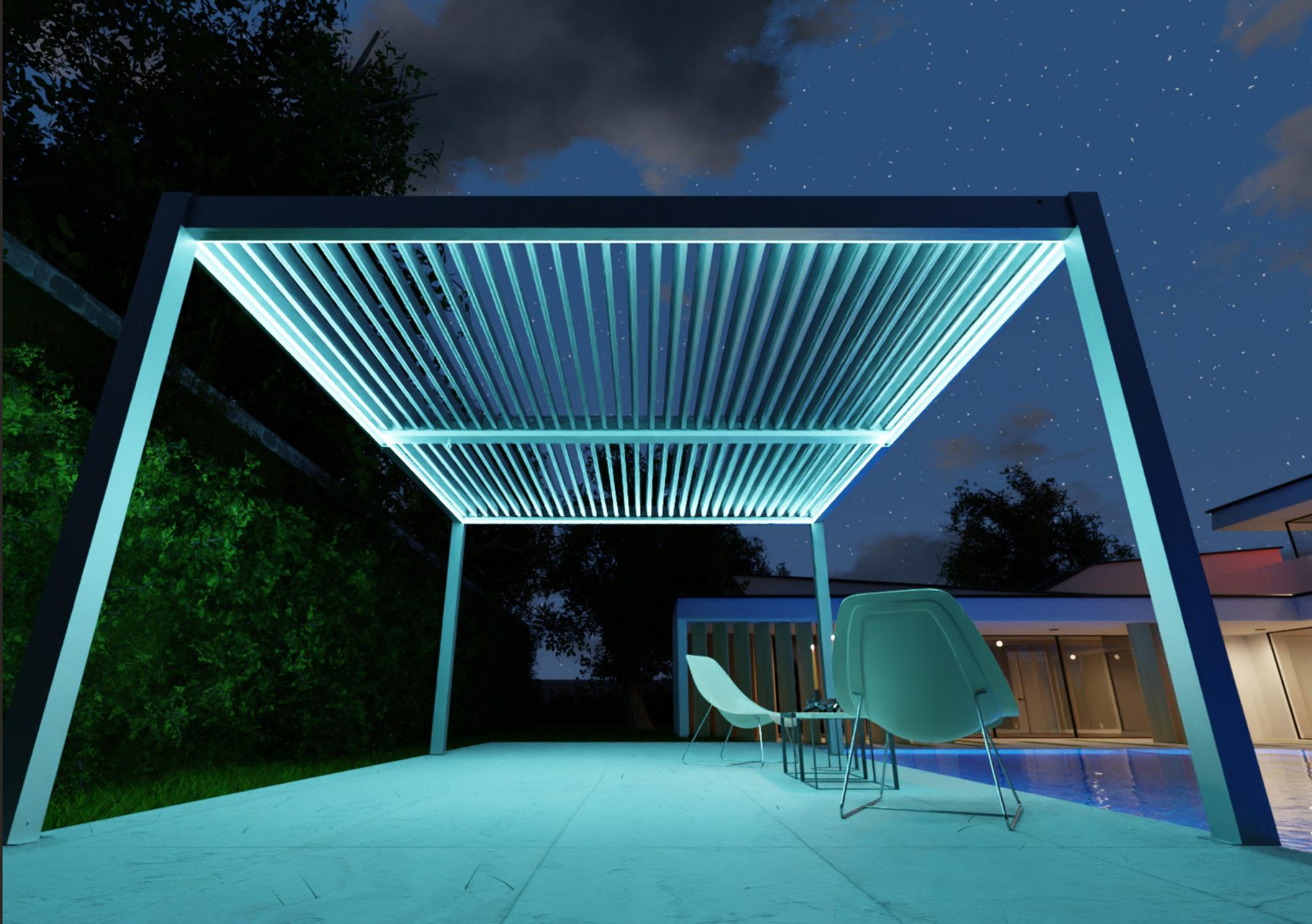
Manuel Bio Oluk Contası
Manual Bio Gutter Gasket

Kod
Code

MB-20







6063-T6 ALUMINUM

Malzeme ve teknik okuma rehberi / Material & specification guide

PROFILE MATERIAL

Aluminum extrusions: 6063-T6. Glass, steel hardware, seals and other components retain their specified materials.

Alüminyum ekstrüzyon profiller: 6063-T6. Cam, çelik aksesuar, conta ve diğer parçalar belirtilen malzemeleriyle kullanılır.

ALLOY & TEMPER

6063 is an aluminum-magnesium-silicon alloy used for architectural extrusions. T6 denotes solution heat treatment and artificial aging.

6063, mimari profillerde kullanılan alüminyum-magnezyum-silisyum alaşımıdır. T6, çözeltiye alma ve yapay yaşlandırma durumunu tanımlar.

READING THE DRAWINGS

Profile dimensions and product codes are shown with each detail. kg/m denotes profile mass per meter; it is not a structural load rating.

Profil ölçüleri ve ürün kodları ilgili detaylarda gösterilir. kg/m, profilin metre başına kütlesidir; taşıma kapasitesi değildir.

PROJECT PERFORMANCE

Allowable spans, glazing, connections, anchors and operating limits must be selected together for the project conditions.

İzin verilen açıklık, cam, bağlantı, ankraj ve çalışma sınırları proje koşullarına göre birlikte belirlenir.

Material terminology: Hydro, 6063 alloy; thyssenkrupp, 6063 material data sheet. Product certification is separate.

CARE & PROJECT SELECTION

Bakım ve proje seçimi

FINISH SELECTION

Confirm the finish code, texture and gloss using a physical sample. Printed and screen colors are illustrative.

Renk kodunu, dokuyu ve parlaklığı fiziksel numune ile doğrulayın. Baskı ve ekran renkleri temsildir.

ROUTINE CARE

Use a soft cloth and a mild, non-abrasive cleaner compatible with the finish. Keep accessible tracks and drainage paths clear. Follow component instructions.

Yüzeye uygun, aşındırıcı olmayan hafif temizleyici ve yumuşak bez kullanın. Erişilebilir ray ve tahliye kanallarını açık tutun. Bileşen talimatlarına uyun.

OPERATION

Follow the product operating instructions. Keep moving parts clear and stop use if panels, guides or hardware are damaged.

Ürün kullanım talimatlarına uyun. Hareket alanlarını açık tutun; panel, kılavuz veya aksesuarda hasar varsa kullanımı durdurun.

PROJECT DOCUMENTS

Confirm the opening dimensions, installation surfaces, selected components and approved drawings before fabrication.

Üretim öncesinde açıklık ölçülerini, montaj yüzeylerini, seçilen bileşenleri ve onaylı çizimleri doğrulayın.

LATVERA

FACADE & OUTDOOR LIVING SOLUTIONS

www.latvera.com

info@latvera.com | +1 904 227 2345

127 US-130, Bordentown, NJ 08505, USA

MM (FEET-INCH)

Metric dimensions govern fabrication. Imperial values in parentheses are approximate references.

Primary unit: mm. Values ≥ 800 mm: nearest 1/16 in. Smaller values: decimal inches to 0.001 in. P = source drawing page.

1.3 mm ($\approx 0'-0.051"$)	P10
1.8 mm ($\approx 0'-0.071"$)	P11
2 mm ($\approx 0'-0.079"$)	P10,11
2.3 mm ($\approx 0'-0.091"$)	P10
29.31 mm ($\approx 0'-1.154"$)	P11
29.32 mm ($\approx 0'-1.154"$)	P10
30.4 mm ($\approx 0'-1.197"$)	P10
60 mm ($\approx 0'-2.362"$)	P11
70.9 mm ($\approx 0'-2.791"$)	P11
121 mm ($\approx 0'-4.764"$)	P11
138.43 mm ($\approx 0'-5.450"$)	P10
150 mm ($\approx 0'-5.906"$)	P10
158 mm ($\approx 0'-6.220"$)	P10
170 mm ($\approx 0'-6.693"$)	P10,11
2500 mm ($\approx 8'-2 \frac{7}{16}"$)	P5
4500 mm ($\approx 14'-9 \frac{3}{16}"$)	P5
5000 mm ($\approx 16'-4 \frac{7}{8}"$)	P5

Ölçüler mm esaslıdır. Parantez içi feet-inch değerleri yuvarlatılmıştır; üretim ölçüsü olarak kullanılmaz.

FINISH & PROJECT SPECIFICATION

Renk, sipariş ve proje hazırlığı | Selected design direction; final configuration by project.

MATERIAL & FINISH

6063-T6 ALUMINUM PROFILES

Use the confirmed alloy/temper for aluminum profiles. Record profile code, wall thickness and material certificate in the order file.

Alüminyum profil malzemesi teyittir. Kesit, et kalınlığı ve sertifika sipariş dosyasında eşleştirilir.

SELECTED FINISH DIRECTION

Primary: RAL 7016 - Anthracite grey
Alternates: RAL 9005 - Jet black
RAL 9016 - Traffic white
Design preference: matte powder-coated finish.

Tasarım tercihi: mat antrasit; siyah ve beyaz alternatif. Üretilbilirlik ve kaplama sistemi tedarikçiyle, renk ve doku fiziksel numuneyle kesinleştirilir.

These are proposed finish selections, not confirmed stock options. Printed/screen colors do not replace a physical sample.

SYSTEM ORDERING NOTES

UPDATED MODULE

2500 x 4500 mm (approx. 8'-2 7/16" x 14'-9 3/16"). Plan area: 11.25 m² (121.09 ft²).

Güncel tek modül; genişlik x derinlik. Yükseklik ayrıca belirlenir.

INSTALLATION INTERFACES

Show support and fixing details, drainage discharge and service access on the project drawing. Size members and anchors for the actual site.

Mesnetler, bağlantılar, su tahliyesi ve servis erişimi çizimde gösterilir. Profil ve ankraj boyutu saha hesabıyla belirlenir.

Updated assembly weight is project-specific. Previous 183 kg / 325 kg values belong to the earlier configuration and are not current weight ratings.

PERFORMANCE & SCOPE

PROJECT PERFORMANCE

Wind, snow and uplift ratings require a site-specific design or an applicable tested assembly. Published dimensions alone do not establish load capacity.

Yük ve kullanım sınırları proje/ürün belgesiyle belirlenir. 6063-T6 tanımı tek başına sistem kapasitesi belgesi değildir.

OPERATION & CARE

For powered configurations, identify the drive, controller, supply voltage/frequency and U.S. suitability before purchase. Motor lift capacity is separate from wind resistance.

Bakım: uygun üretici talimatını izle; drenaj ve hareket yollarını temiz tut. Hasarlı, sıkışmış veya buzlanmış hareketli sistemi çalıştırma.

Supply, installation, freight, electrical work, permits and warranty coverage are defined in the written project offer. This catalog does not set a warranty duration or add commercial scope.

TECHNICAL DATA | VENTO ECO

Katalog kaynaklı teknik bilgi özeti / Source-backed component and system references

Updated module	2500 × 4500 mm (approx. 8'-2 7/16" × 14'-9 3/16"), width × depth. Plan area: 11.25 m² (approx. 121.09 sq. ft.).	LATVERA confirmation, 12 Sep 2026
Actuator	MB-4: electric piston.	Source PDF p. 16
Control and power components	MB-13: outdoor transformer/dimmer receiver; MB-16: control panel and transformer set. Both are labeled 24 V / 8.5 A.	Source PDF p. 16

SPECIFICATION BASIS

Aluminum profiles: 6063-T6, per LATVERA supplier confirmation. Referenced certificate file 25 was not received or verified with this set. Component options and catalog masses do not establish site-specific structural or lifting capacity. Primary dimensions are mm; imperial values are approximate. The former 4000 mm module weights are not applied to the updated 4500 mm depth.

VENTO ECO

Clarification notes

Technical pages retain their original numbering. These notes identify source discrepancies; they do not replace supplier specifications.

Original pages 10-11; 5, 23-24

P10's visibly different panel and front-beam sections both use 3224 and 1.328 kg/m. P10 prints that mass as both 2.924 and 2.927 lb/m; at three decimals the conversion rounds to 2.928. P10's 4.943 kg/m prints 10.89 lb/m rather than 10.90 at two decimals, and p11's 3.284 kg/m prints 7.239 rather than 7.240 at three decimals. Confirm the component schedule and converted masses. The updated 2500 x 4500 mm module is 11.25 m²/121.09 ft²; former 183/325 kg and former 4000 mm weights are expressly not current ratings. Current assembly mass is project-specific.

Supplier confirmation is required before these values or components are used for specification or ordering.