

HUUN[®]
ALUMINIUM TECHNOLOGY

PERFECTION OF ALUMINIUM WITH GLASS

PANORAMA





PANORAMA

PERFECTION OF ALUMINIUM WITH GLASS

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TRADITIONAL RETRACTABLE GLASS SOLUTIONS DISTURB THE INTEGRITY BETWEEN INDOORS AND OUTDOOR. TO ENSURE INTEGRITY BETWEEN INDOORS AND OUTDOORS, EMRE ALUMINYUM PRESENTS OUTSTANDING AND AESTHETIC SOLUTIONS UNDER PANORAMA.

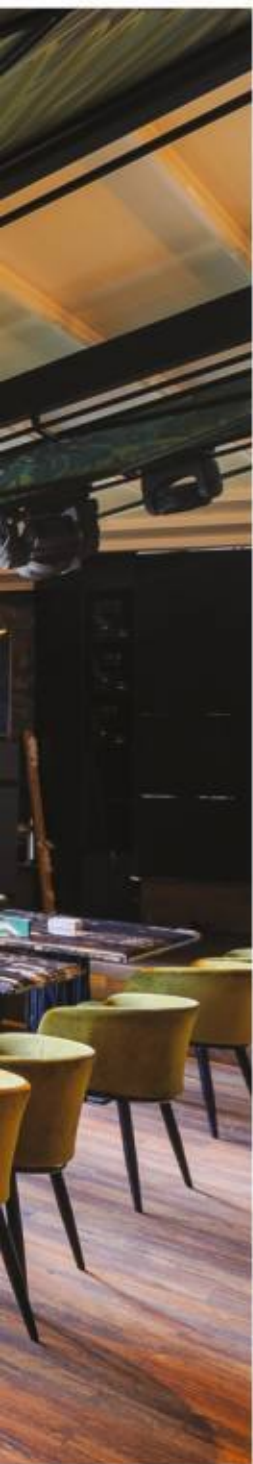
THE SYSTEM IS MOTORIZED AND **MAKES VERTICAL GLASS MOVEMENTS** INSIDE SIDE RAILS AND CAN BE CONTROLLED VIA PRESSING BUTTONS, REMOTE CONTROLS, AND EVEN VIA TABLETS AND PHONES WITH MINIMUM EFFORT. PANORAMA IS THE BEST PRODUCT FOR GLASS GLAZING AND CAN BE USED IN RESIDENTIAL OR COMMERCIAL FIELDS. IT GIVES COMPLETE CONTROL TO THE USER WHILE KEEPING GLASSES AT ANY HEIGHT THAT THE USER DESIRES. YOU CAN EXPERIENCE THE SPECIFIC BEAUTY OF EACH SEASON WITHOUT FEELING THE DISADVANTAGES OF THE COLD AND WETNESS. ENJOY SPRING AND AUTUMN EVEN WHEN IT IS COLD OR RAINING, AND SIT AMID THE MOST IDYLIC WINTER LANDSCAPE WITHOUT FREEZING.

THUS, PANORAMA OFFERS MORE FRESH AIR, LARGER SPACE, BRIGHTER DAYLIGHT, AND A MUCH MORE ENJOYABLE PLACE.

PANORAMA IS A NEW GENERATIONAL APPROACH TO GLASS GLAZING, AND IT IS APPLICABLE WHETHER THE SPACE IS USED FOR RESIDENTIAL, PUBLIC, OR COMMERCIAL PURPOSES. OUR INNOVATIVE ALUMINUM GLASS GLAZING SOLUTIONS ENABLE THE USER TO ACHIEVE A SOPHISTICATED ARCHITECTURE FOR BOTH NEW BUILDINGS AND RENOVATIONS.

PURITY AND NON-VISIBLE SCREWS OFFER A SIMPLE DESIGN.





PANORAMA OFFERS A LARGE SELECTION OF SYSTEMS FOR EVERY APPLICATION AS HEAT INSULATED, UNINSULATED OR OPENABLE. WE CALL THESE THREE SYSTEMS AS PANORAMA, PANORAMA THERMAL AND PANORAMA LAGOON.

HANDRAILS PROVIDE AN AESTHETIC VIEW OF THE PANORAMA, AND BESIDES ALL, IT IS CRUCIAL IN TERMS OF A SAFETY FEATURE. IT PREVENTS POSSIBLE FINGER COMPACTION WHEN THE SYSTEM WORKS FROM A STATIONARY POSITION TO UP. FOR STATIC POSITIONS, THE MOTOR LIMIT LEVEL ADJUSTS 1-2 CM HIGHER THAN OTHER GLASS OR GLASSES TO PREVENT POSSIBLE FINGER COMPACTION AGAIN.

THE OVAL SHAPE OF THE HANDRAIL IS DESIGNED TO PREVENT POSSIBLE ACCIDENTS WHICH COULD CAUSE DAMAGE TO THE PRODUCT ITSELF AND THE PEOPLE AROUND. IN ADDITION, ITS OVAL SHAPE MAKES IT IMPOSSIBLE TO PUT GLASS OR OTHER OBJECTS ON AND FORGET.

AS STANDARD, MOBILE GLASSES ARE 10 CM HIGHER THAN FIXED GLASS DURING STATIONARY. THEREFORE, IF A PROBLEM OCCURS IN THE SYSTEM AND GLASS FALLS, IT WILL MOVE RAIL AND NOT IMPACT THE GROUND.

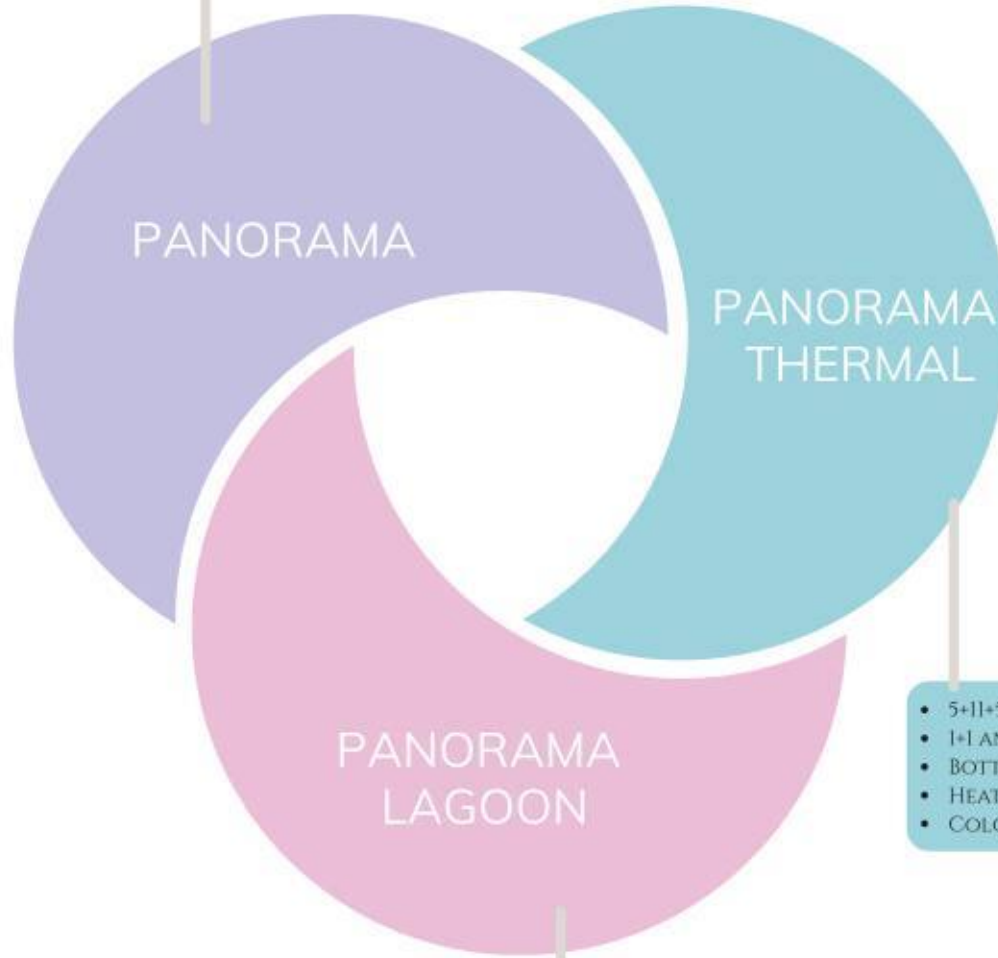
AS OPTIONAL, WE OFFER AN INWARD OPENING FIX PANEL FOR HIGH-RISE BUILDING APPLICATIONS. INWARD OPENING FIX PANELS ARE EASIER TO INSTALL AND MAINTAIN, AND BECAUSE THEY PEN IN TOWARDS YOU, IT IS JUST AS EASY TO CLEAN THE OUTSIDE OF THE GLASS AS THE INSIDE. NO MORE NEED FOR MR. WINDOW CLEANER AND HIS LADDER! THE INWARD OPENING PANEL FULLY MATCHES THE MOBILE BOARD OF PANORAMA, AND IT OFFERS SAFETY TOGETHER WITH AESTHETICS. TO MAKE IT SAFER, WE PROVIDE A PORTABLE HANDLE FOR INWARD OPENING AND DO NOT KEEP THE HOLD MOUNTED DURING IDLE TIME. THUS WE PREVENT POSSIBLE UNDESIRABLE ACCIDENTS FOR KIDS.





POSSIBLE LAYOUTS

- 8 MM TEMPERED GLASS
- 1+1, 1+2 AND 1+3 PANEL OPTION
- BOTTOM PANEL IS FIXED PANEL
- SOUND AND WATER ISOLATION
- COLOR OPTION FOR GLASS



- 5+11+5 MM TEMPERED GLASS
- 1+1 AND 1+2 PANEL OPTION
- BOTTOM PANEL IS FIXED PANEL
- HEAT, SOUND AND WATER ISOLATION
- COLOR OPTION FOR GLASS

- 5+11+5 MM TEMPERED GLASS
- 1+1 AND 1+2 PANEL OPTION
- BOTTOM PANEL IS OPENABLE PANEL
- HEAT, SOUND AND WATER ISOLATION
- COLOR OPTION FOR GLASS





ADVANTAGES



WITH NARROW GLASS FRAMES, PANORAMA OFFERS **UNLIMITED VIEW** TO THE END USER.



AT PANORAMA, **GLASSES MOVE VERTICALLY** AND THIS FEATURE LETS THE USER PUT ANY TYPE OF FURNITURE IN FRONT OF THE MODULES. PANORAMA, WITH THIS UNIQUE FEATURE, BRINGS GREAT ADVANTAGES ESPECIALLY IN COMMERCIAL APPLICATIONS.



LARGE EXPANSES OF GLASS **LET DAYLIGHT IN AND PROVIDE A NATURAL ILLUMINATION** WHILE GIVING THE USER THE ADVANTAGE OF SAVING ENERGY.



DUE TO **SOUND ISOLATION** WHICH COVERS MOTOR MODULES, THE NOISE THAT IS PRODUCED WHILE OPERATING THE SYSTEM IS REMARKABLY REDUCED.

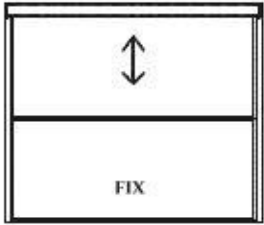


MODULES CAN BE CONTROLLED INDIVIDUALLY OR SIMULTANEOUSLY OVER REMOTE CONTROL WITH ON CLICK.

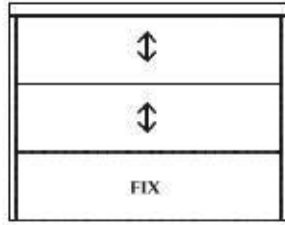


AS OPTIONAL, WE OFFER INWARD OPENING FOR HIGH RISE BUILDING APPLICATIONS TO CLEAN GLASS FROM INSIDE.

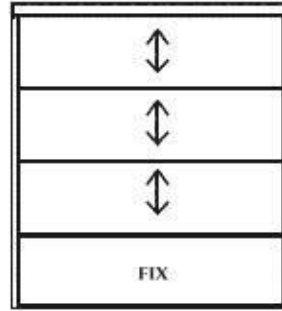
APPLICATIONS AND SIZE OPTIONS



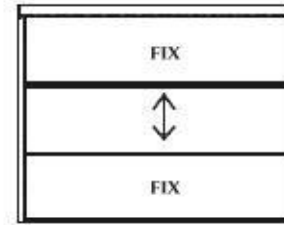
**PANORAMA
I+I PANEL**



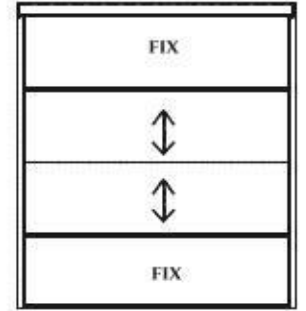
**PANORAMA
I+2 PANEL**



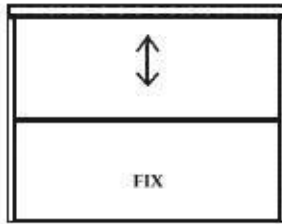
**PANORAMA
I+3 PANEL**



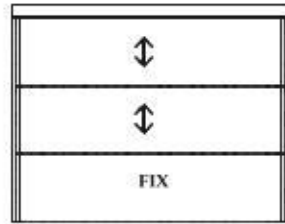
**PANORAMA
I+I+I PANEL**



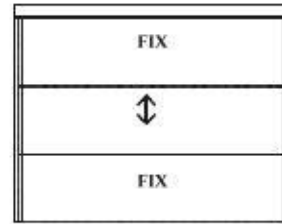
**PANORAMA
I+2+I PANEL**



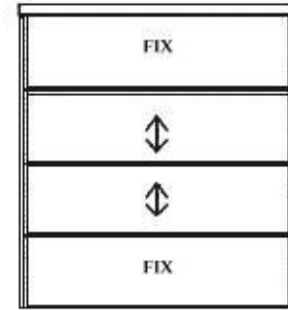
**PANORAMA
THERMAL
I+I PANEL**



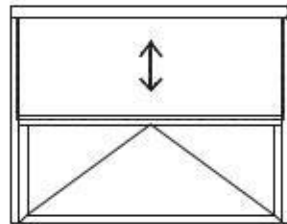
**PANORAMA
THERMAL
I+2 PANEL**



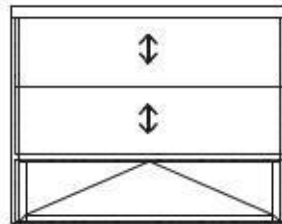
**PANORAMA
THERMAL
I+I+I PANEL**



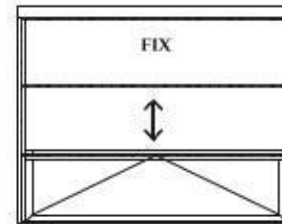
**PANORAMA
THERMAL
I+2+I PANEL**



**PANORAMA
LAGOON
I+I PANEL**



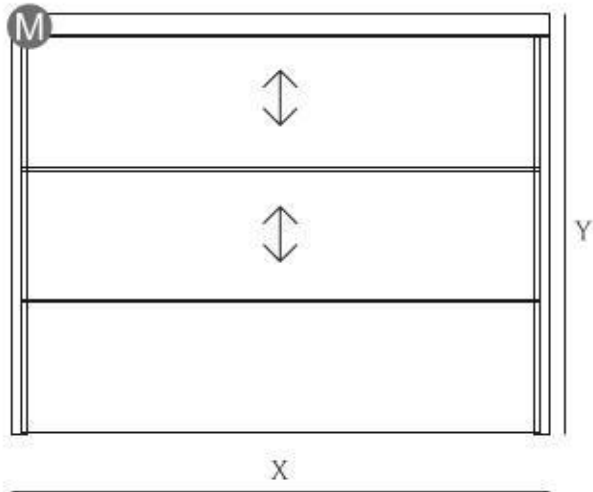
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LAGOON
I+2 PANEL**



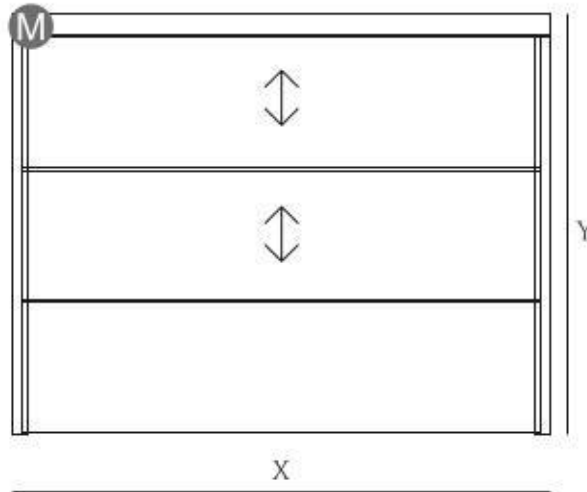
**PANORAMA
LAGOON
I+I+I PANEL**

APPLICATIONS AND SIZE OPTIONS

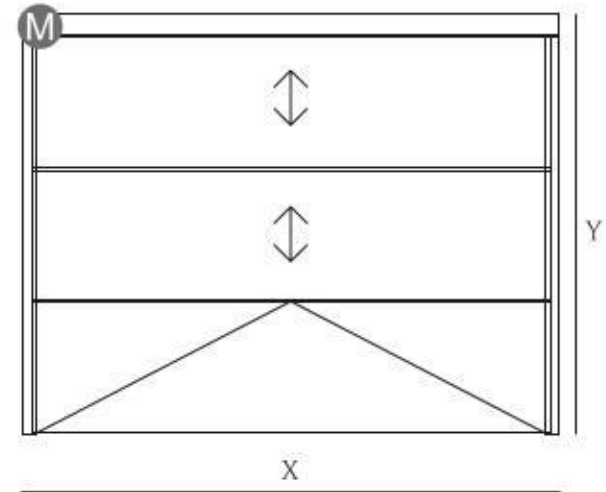
PANORAMA



PANORAMA THERMAL



PANORAMA LAGOON



	WIDTH MIN	WIDTH MAX	MAX m²
x	2000 mm	4500 mm	12 m²
y	2000 mm	4000 mm	
!	If cherubini motor is used, maximum square meter will be 13,5.		

- System dimensions must remain between the minimum and maximum dimensions given above.
- Regardless of system dimensions, the total area of a system cannot exceed 13,5 square meters.

	WIDTH MIN	WIDTH MAX	MAX m²
x	2000 mm	4500 mm	9,5 m²
y	2000 mm	3500 mm	
!	If cherubini motor is used, maximum square meter will be 11.		

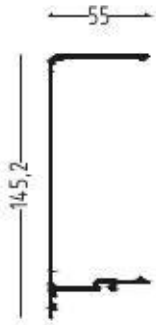
- System dimensions must remain between the minimum and maximum dimensions given above.
- Regardless of system dimensions, the total area of a system cannot exceed 11 square meters.
- If it is made as 4 panels, the lower and upper glass will be fixed.

	WIDTH MIN	WIDTH MAX	MAX m²
x	2000 mm	4500 mm	9,5 m²
y	2000 mm	3500 mm	
!	If cherubini motor is used, maximum square meter will be 11.		

- System dimensions must remain between the minimum and maximum dimensions given above.
- Regardless of system dimensions, the total area of a system cannot exceed 11 square meters.



PANORAMA PROFILES



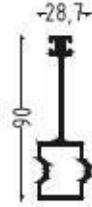
M6172

WEIGHT (gr/m) **1238**



M5776

WEIGHT (gr/m) **742**



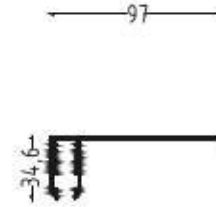
M5777

WEIGHT (gr/m) **849**



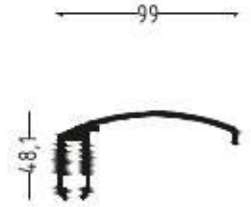
M5778

WEIGHT (gr/m) **854**



M5779

WEIGHT (gr/m) **994**



11454

WEIGHT (gr/m) **1248**



M5989

WEIGHT (gr/m) **1124**

15,5



11508

WEIGHT (gr/m) **418**

125



M6879

WEIGHT (gr/m) **1413**

15



M5817

WEIGHT (gr/m) **384**

49,5



M5968

WEIGHT (gr/m) **825**

23,5



M5780

WEIGHT (gr/m) **567**

29,9



M5853

WEIGHT (gr/m) **151**

24,9



M5818

WEIGHT (gr/m) **160**

16,3



M6316

WEIGHT (gr/m) **295**

12,3



M6317

WEIGHT (gr/m) **357**

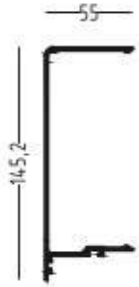
24,7



11468

WEIGHT (gr/m) **1299**

PANORAMA THERMAL PROFILES



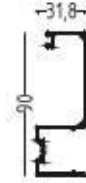
M6172
WEIGHT (gr/m) **1238**



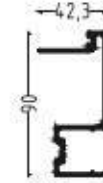
M5776
WEIGHT (gr/m) **742**



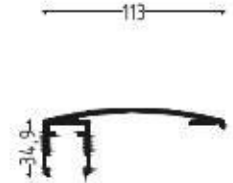
M5777
WEIGHT (gr/m) **849**



M5778
WEIGHT (gr/m) **854**



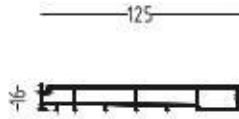
M6171
WEIGHT (gr/m) **946**



M5933
WEIGHT (gr/m) **1401**



M5989
WEIGHT (gr/m) **1125**



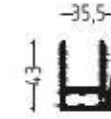
M6879
WEIGHT (gr/m) **1413**



M5818
WEIGHT (gr/m) **160**



M5853
WEIGHT (gr/m) **151**



12306
WEIGHT (gr/m) **1289**



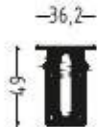
M5927
WEIGHT (gr/m) **756**



M6315
WEIGHT (gr/m) **354**



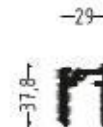
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WEIGHT (gr/m) **824**



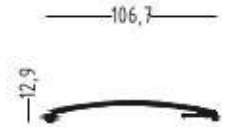
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WEIGHT (gr/m) **2241**



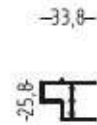
M5482
WEIGHT (gr/m) **343**



M6877
WEIGHT (gr/m) **818**



M6878
WEIGHT (gr/m) **743**



M6803
WEIGHT (gr/m) **445**

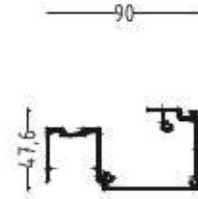
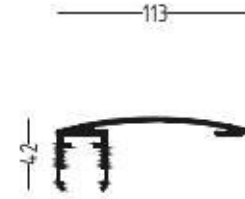
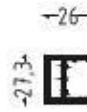
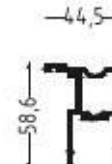
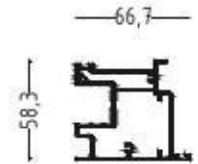
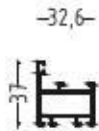
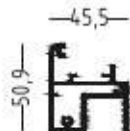
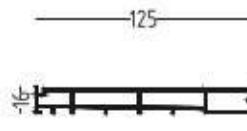
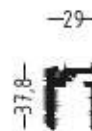
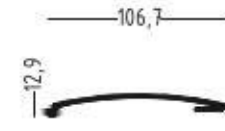
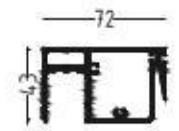


M6464
WEIGHT (gr/m) **648**



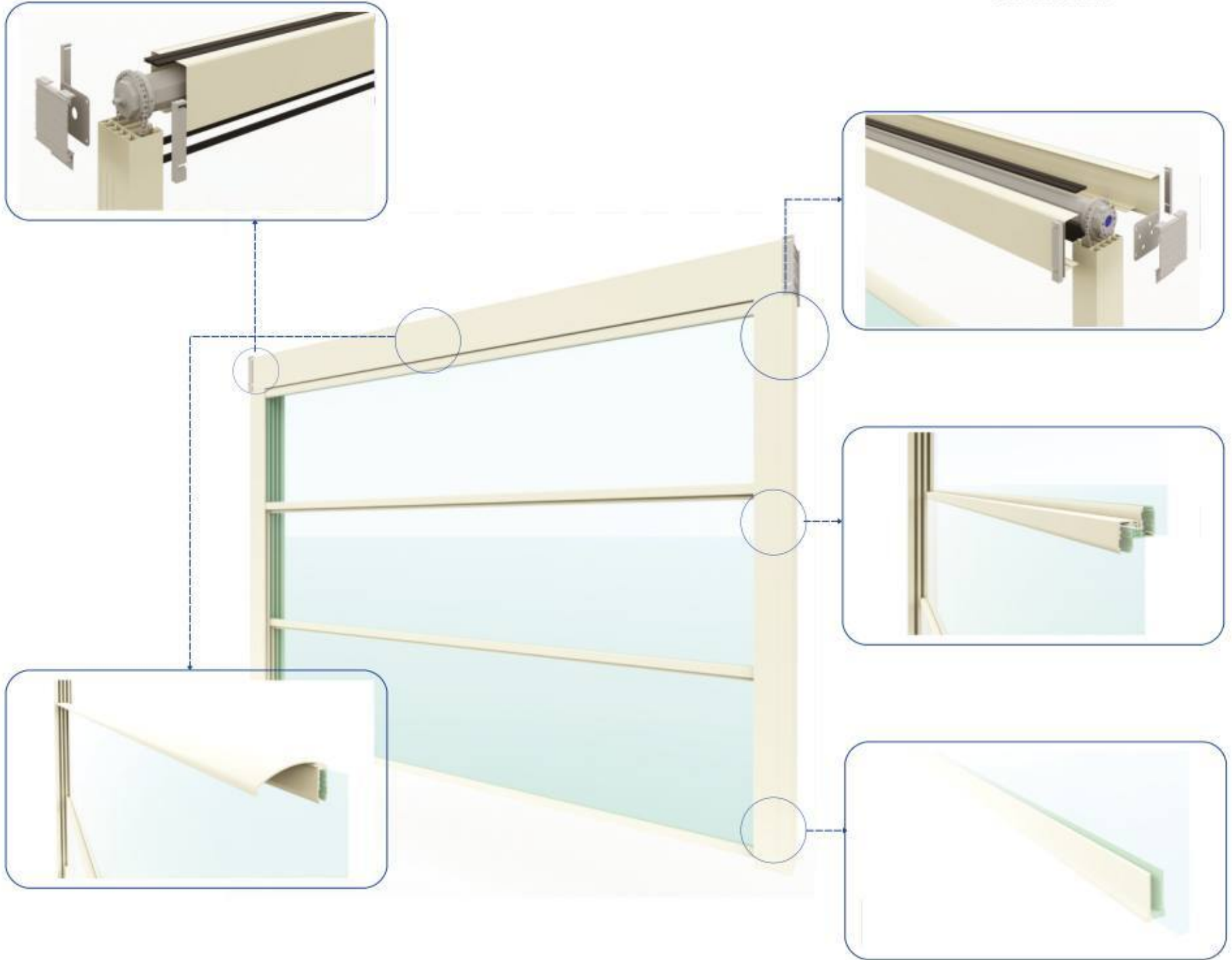
M5926
WEIGHT (gr/m) **564**

PANORAMA LAGOON PROFILES

**M6172**WEIGHT (gr/m) **1237****M5776**WEIGHT (gr/m) **742****M5777**WEIGHT (gr/m) **849****M6809**WEIGHT (gr/m) **1434****M5933**WEIGHT (gr/m) **1401****M6804**WEIGHT (gr/m) **626****M5818**WEIGHT (gr/m) **160****M5853**WEIGHT (gr/m) **151****12306**WEIGHT (gr/m) **1289****M6464**WEIGHT (gr/m) **648****M6807**WEIGHT (gr/m) **1087****M6808**WEIGHT (gr/m) **1596****M6805**WEIGHT (gr/m) **619****M6806**WEIGHT (gr/m) **1113****M6879**WEIGHT (gr/m) **1413****M6877**WEIGHT (gr/m) **818****M6878**WEIGHT (gr/m) **743****M7004**WEIGHT (gr/m) **1995**



PANORAMA SECTION DETAILS



PANORAMA THERMAL SECTION DETAILS



PANORAMA LAGOON SECTION DETAILS





TECHNICAL DETAILS

ALUMINUM: UNITS PRODUCED BY FIRST QUALITY T6 6063 ALLOY AT OUR EXTRUSION FACILITY. THE ALUMINUM IS NOT ONLY CORROSION-PROOF AND LIGHT, BUT IT IS ALSO INTENSIVELY DURABLE, AND WITH THESE FEATURES, IT IS THE BEST MATERIAL FOR PANORAMA.

GLASS: OFFERS A GREAT DEAL OF LIGHT AND MAXIMUM TRANSPARENCY; IT MEETS THE DEMANDS OF INCREASED ENERGY CONSCIOUSNESS AND REPRESENTS AN OPEN ROOM DESIGN. THE CHOICE OF SINGLE (8 MM) OR DOUBLE GLAZING (5+11+5 MM) AND THE TYPE OF GLASS COULD BE LAMINATED OR TEMPERED.

CHOICE OF COLORS: VARIOUS HIGH-QUALITY COATING OPTIONS (QUALICOAT CERTIFIED), ANODIZED OR WOOD COVER SURFACES FOR ALUMINUM, LET CUSTOMERS CUSTOMIZE THEIR PANORAMA. BESIDES ALL, IT HELPS TO PROVIDE ROBUST DURABILITY TO ALUMINUM. AS AN OPTION, IT IS POSSIBLE TO CHOOSE DIFFERENT COLOR OPTIONS FOR GLASSES LIKE OPAC, TINTED GREEN, BLUE BRONZE, CLEAR, AND REFLECTED.

MOTOR: THE MOTOR USED IN THE SYSTEM PRODUCES 120 NM NOMINAL TORQUES WHILE OPERATING. POWER CONSUMPTION IS 350 W, AND ABLE TO LIFT A MAX OF 168 KG.

CONTROL UNIT: THERE ARE THREE REMOTE CONTROL OPTIONS AS 1-5-16 CHANNELS. ALL PANORAMA MODULES CAN BE CONTROLLED INDIVIDUALLY OR SIMULTANEOUSLY VIA REMOTE CONTROL. IT IS POSSIBLE TO CUSTOMIZE THE REMOTE CONTROLS BY GIVING EACH SYSTEM MODULE A NUMBER AND CONTROLLING THEM.



HUUN®

ALUMINIUM TECHNOLOGY

30 years of experience enables HUUN to offer a complete range of outdoor solutions which made of aluminum alloy, precious fabrics, and glass. HUUN creates sustainable outdoor shading and joinery solutions made of aluminum, that focuses on people and their needs in harmony with nature and technology. The solutions provide minimal operational costs, reduce exterior noise, improve public health and provide high quality fresh air to end users. With outstanding quality, design, and functionality, HUUN is bringing thoughts and feelings of engineers, architects, and designers to life...

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