



ROOFING SYSTEMS



Key Benefits

All year weather solution

Enhance and use your outdoor entertaining areas every season because Lumex is as changeable as the weather at the touch of a button.

Corrosion resistant and long life

Aluminium corrosion rates are extremely low making this product a fantastic alternative to steel and other outdoor materials.

Energy efficient

Aluminium has better thermal conductivity properties than steel and reflects light which helps keep your outdoor entertaining areas cool in summer months. When closed, aluminium louvres or fabric roofs will also trap heat in the room making Lumex roofing systems ideal for winter months and minimising heater usage.

As strong as steel but much lighter and more flexible

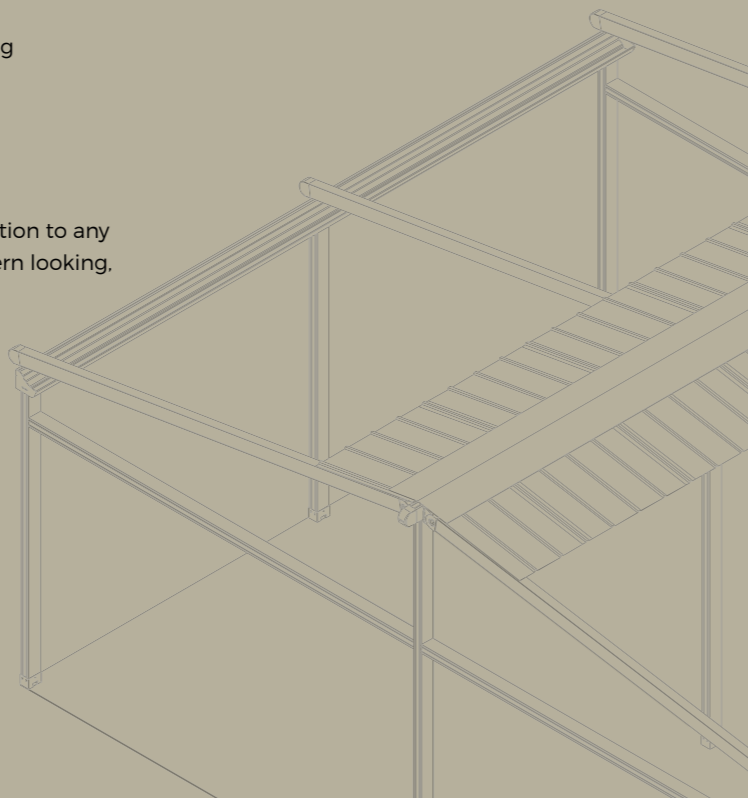
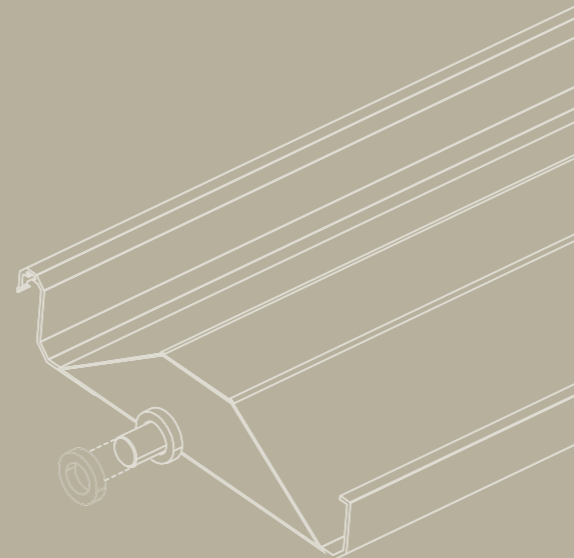
Aluminium is around 25% lighter than steel while offering similar strength but with added flexibility.

Modern look and feel

Lumex Roofing Systems are a modern and timeless addition to any residential or commercial project. Sleek, shiny and modern looking, architects also label this product an easy choice to add style and value to a project for long term use.

Highly durable, great value!

With strength like steel and a natural barrier against corrosion, our Lumex roofing system will last years because they are low maintenance. Every roof is custom made to order for the perfect fit.



LOUVRED ROOF SYSTEM



10YR WARRANTY*

RETRACTABLE ROOF SYSTEM



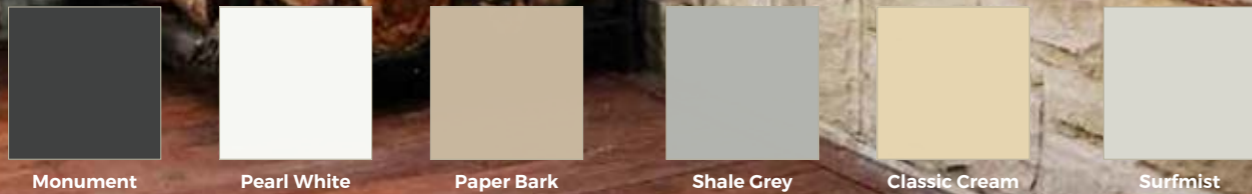
5YR WARRANTY*



Lumex™
LOUVRED ROOFS
LOUVRED
ROOF SYSTEM

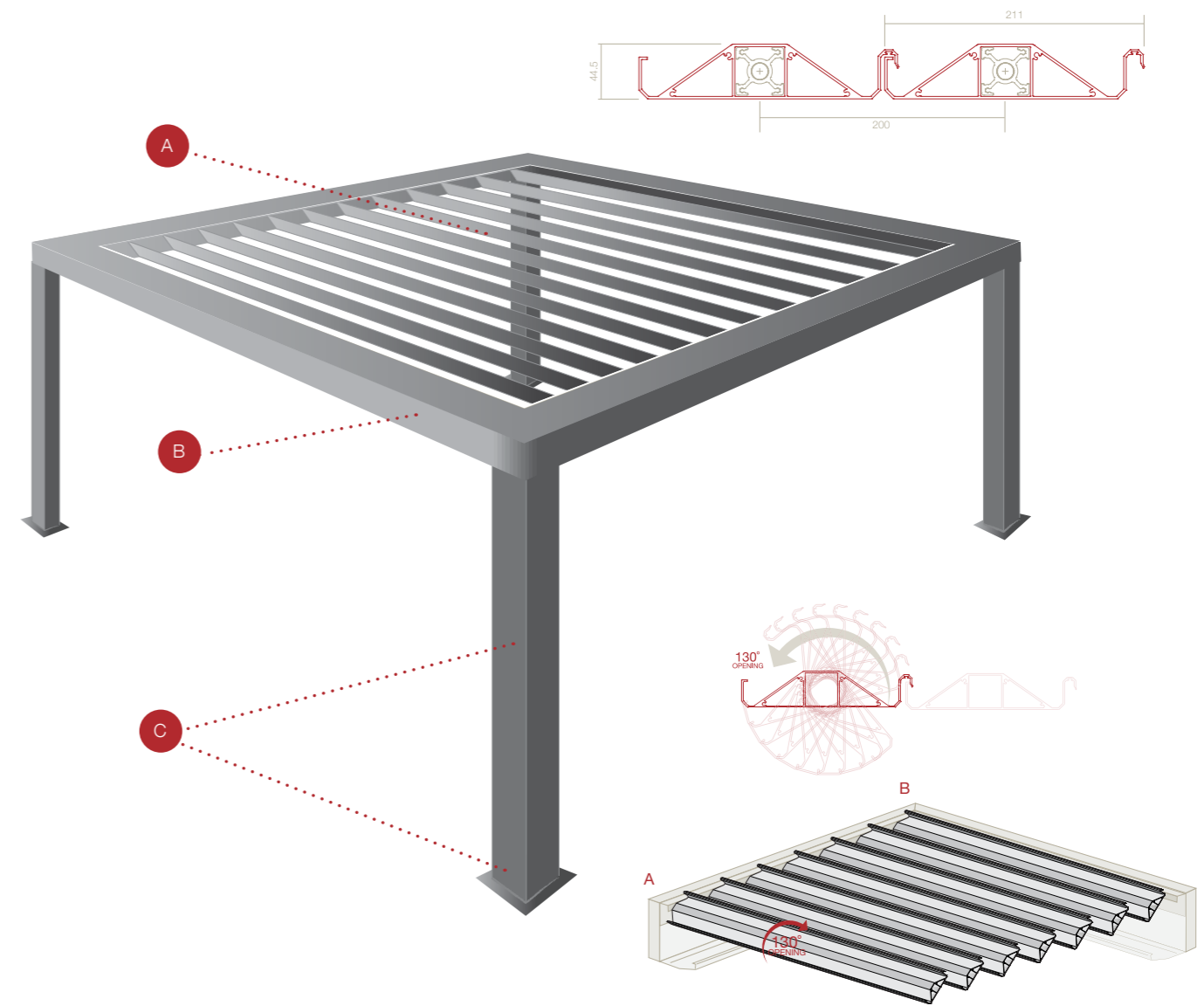
10YR WARRANTY

Dulux powdercoat colours for a deluxe finish

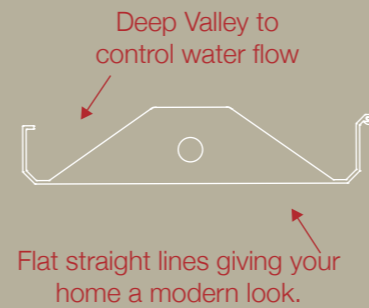


*Limited warranty, refer to the terms and conditions in the product manual

TECHNICAL ANATOMY



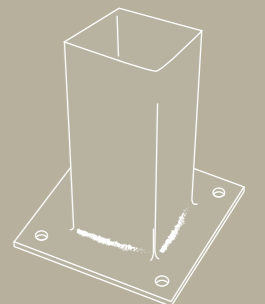
A Louvre Blades



B Support Beam, Stile and Gutter

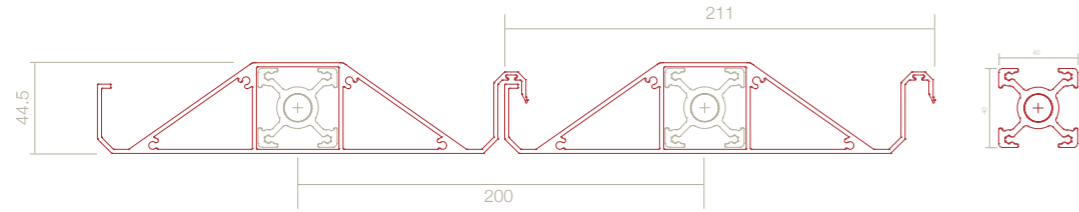


C Post Anchor



120 x 120
Large strong posts for sturdy construction able to withstand high winds.

TECHNICAL DETAIL Lumex Louvred Roof System



BLADE SPECIFICATION

Blade Cover	200mm
Weight Per Linear Meter	3.37kg
Weight Per Square Meter	3.37 x 5 = 16.85 kg
Blade Centres	200mm
Actual Blade Width	211mm

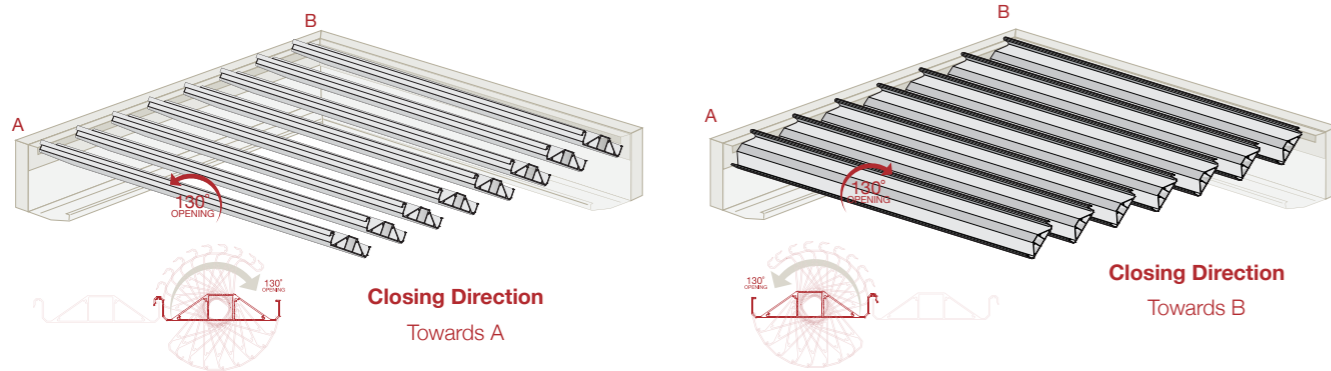
CALCULATE OPTIMUM FRAME OPENING SIZES FOR SPIRAL PIVOT

STEP 1		
16 Blades x 200 Centres		3008
1 Blade at 211 (blade size)		211
17 blades		=3219
STEP 2		
Blade cover		3008
+2/22mm clearance @ ends =		211
17 blades		=3219

SPANS AT A GLANCE NB: Refer Engineering Section. Climate, terrain, shielding, type of contribution to determine spans

Wind Class	N1	N2	N3	N4	N5	N6
Ultimate Limit State	34	40	50	61	74	86
Serviceability Limit State	26	26	32	39	47	55
Wu (kPa)	0.69	0.96	1.5	2.23	3.29	4.44
Ws (kPa)	0.41	0.41	0.61	0.91	1.33	1.82
Blade Span	4500	4500	4500	4300	3500	3000

TECHNICAL DETAIL Closing Direction

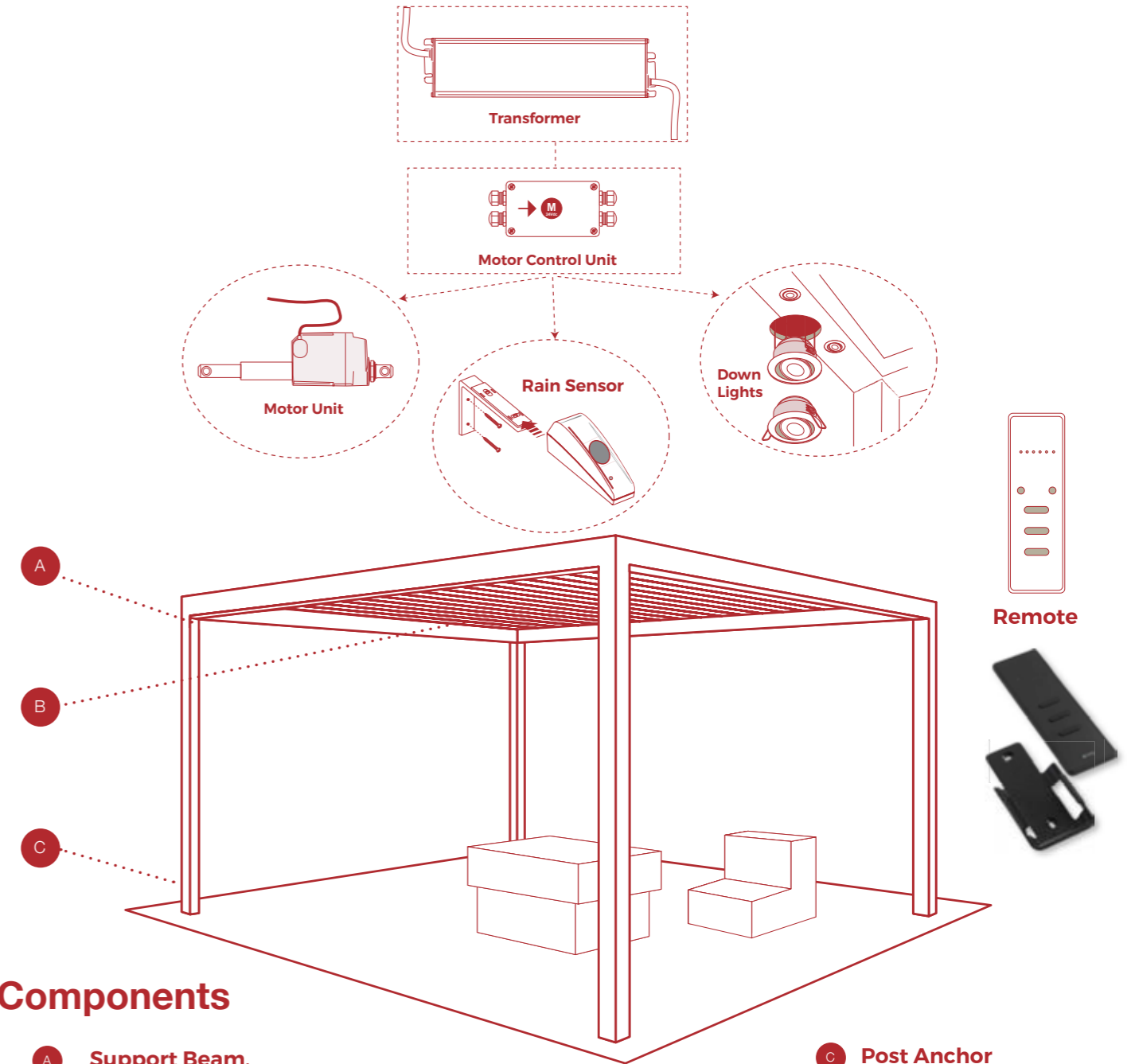


LUMEX APP CONTROL Control Technology



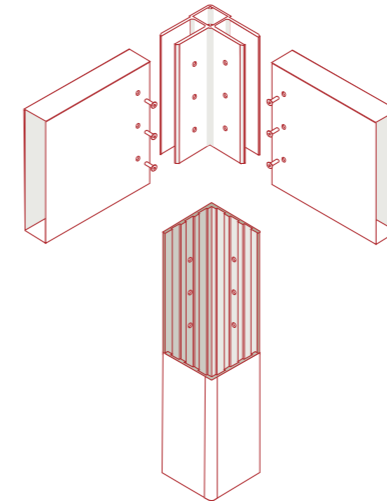
Available on the App Store

AUTOMATION Control Technology & Wire Diagram

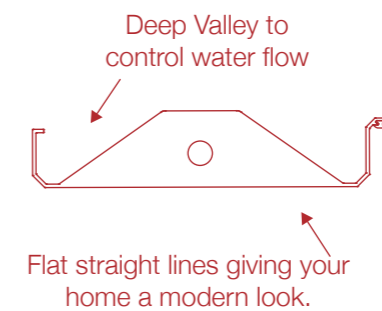


Components

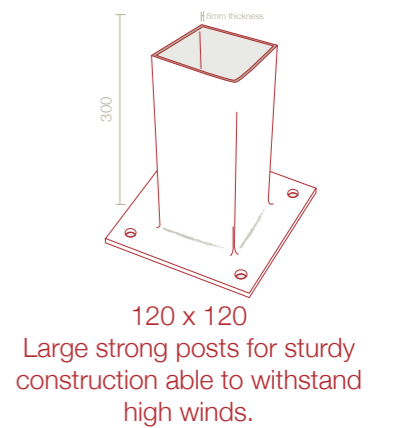
A Support Beam, Stile and Gutter



B Louvre Blades



C Post Anchor





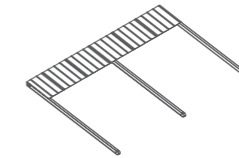
Lumex™
RETRACTABLE ROOFS
RETRACTABLE
ROOF SYSTEM

WARRANTY

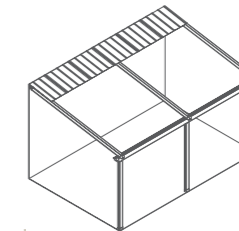
MODELS

LUMEX RETRACTABLE ROOFS

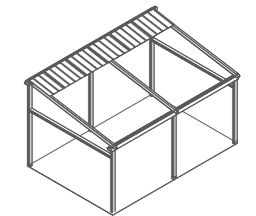
100 SERIES



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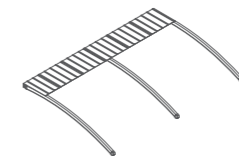


WALL INSTALLATION

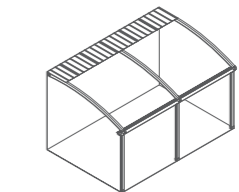


FREESTANDING

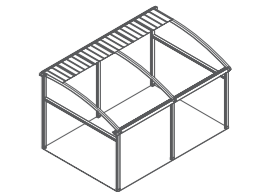
200 SERIES



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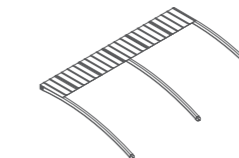


WALL INSTALLATION

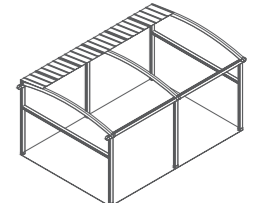


FREESTANDING

300 SERIES

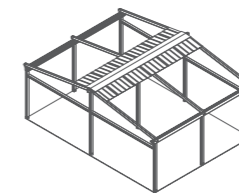


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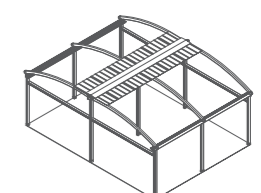


FREESTANDING

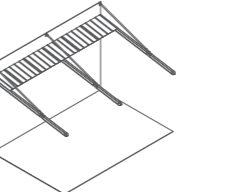
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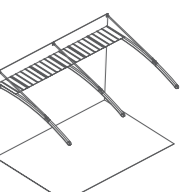
500 SERIES



600 SERIES



700 SERIES



Technical Properties	LUMEX RETRACTABLE ROOF SYSTEM
Yarn	110 DTX / DIN
Weight	850 g/m ²
Width	250cm
Physical Properties	LUMEX RETRACTABLE ROOF SYSTEM
Breaking Strength	Weft: 2500 N / 5cm Warp: 2300 N / 5cm
Tear Strength	Weft: 2500 N / 5cm Warp: 2300 N / 5cm
Light Fastness	6+ (BS EN ISO 105-B02:1999)
Temperature Resistance	-30°C CIN EN 181876-1 +70°C IVK/Pkt.5



COLOUR COLLECTION LUMEX RETRACTABLE ROOFS



90110



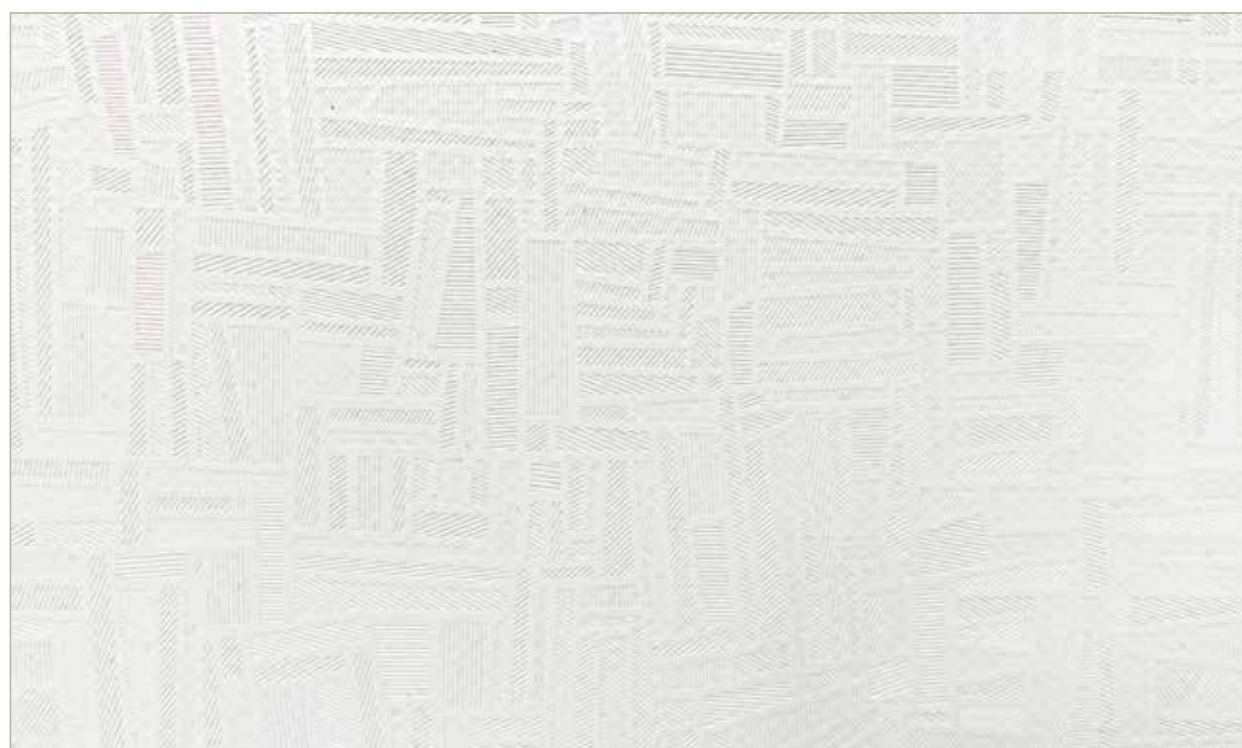
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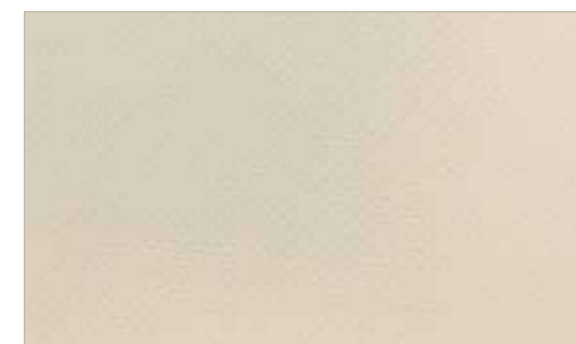
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SAMPLE



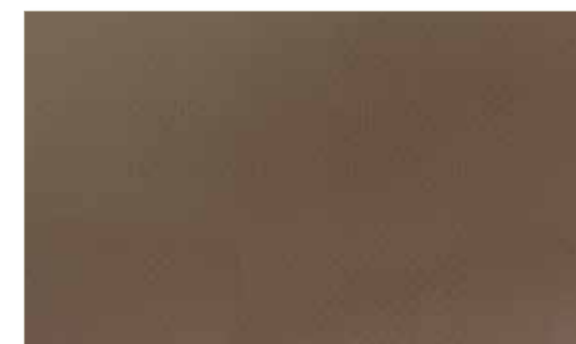
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Opening Roof Systems



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