



THORITE 3.0

OUTDOOR LED CABINET - SMD1935





OVERVIEW

The THORITE 3.0 represents the new generation of modular outdoor LED displays. Featuring SMD1935 technology, it delivers exceptional contrast and optimal readability, even in direct sunlight.

Designed for façades, shopping centers, storefronts, and DOOH installations, it combines high brightness, durability, and advanced modularity to meet the demands of the most ambitious projects.





 APPLICATION
Outdoor


 PIXEL PITCH
P3.9 P4.8

 DISPLAY AREA (W x H)
1000 x 500 mm
1000 x 750 mm
1000 x 1000 mm
1500 x 500 mm
1500 x 750 mm
1500 x 1000 mm

 BRIGHTNESS
≤ 8000 NITS (SMD LED)

 INGRESS PROTECTION
IP66

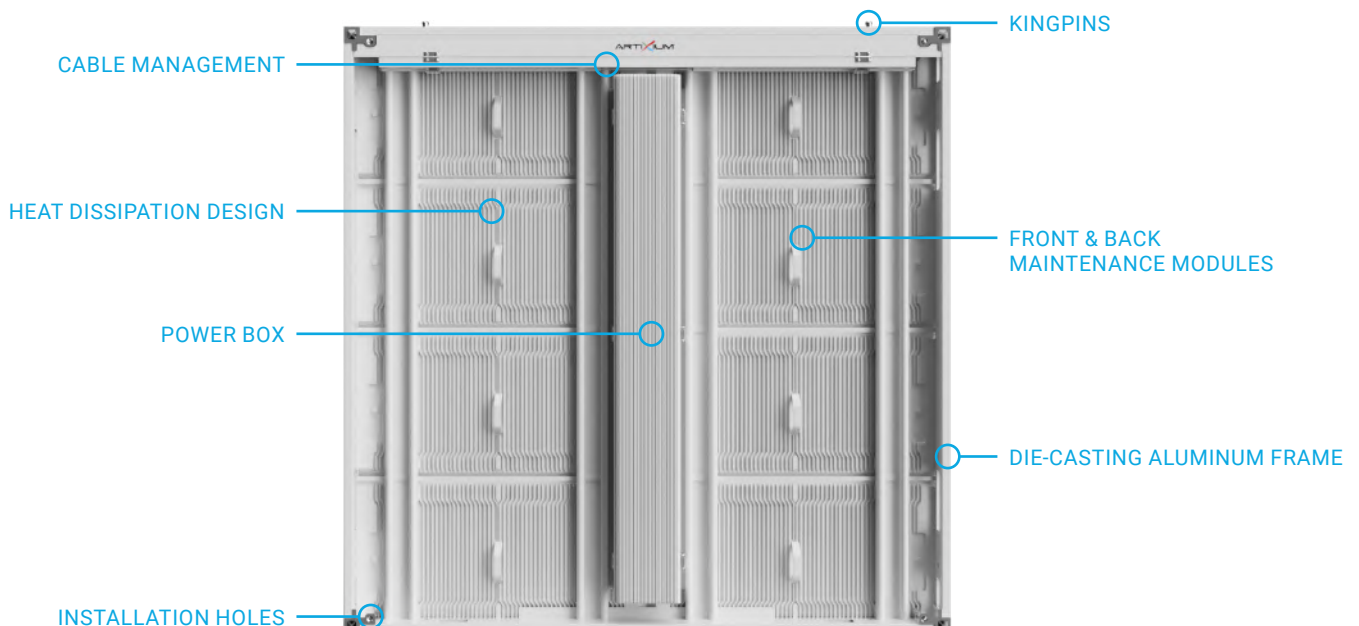
 WEIGHT
27 kg/m²

 MATERIAL
Die-casting aluminum

 MAINTENANCE
Front & Back maintenance



FEATURES



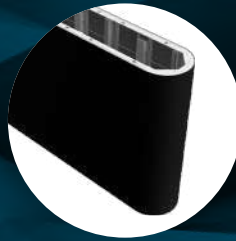
HIGHLY MODULAR

The THORITE 3.0 is available in multiple cabinet formats, all fully compatible with one another, allowing seamless adaptation to any type of structure.

Its modular design enables easy custom integration, whether for flat surfaces, angles, or complex structures, while ensuring perfect visual continuity.



BACK & FRONT MAINTENANCE



90° ANGLE CABINETS



ENHANCED CONTRAST AND BRIGHTNESS WITH SMD1935

90° CORNER CABINETS

The THORITE 3.0 adapts to all architectural constraints thanks to its compatibility with curved, concave, or convex configurations.

Dedicated corner cabinets enable seamless 90° installations without visual breaks, offering complete freedom in the design of creative and immersive projects.



SMART MAINTENANCE

Designed to simplify maintenance operations, the THORITE 3.0 provides full front and rear access.

Modules can be quickly removed thanks to an optimized system, ensuring fast and efficient servicing, regardless of the installation type.

SMD1935

Thanks to SMD1935 technology, the THORITE 3.0 delivers significantly higher contrast than traditional solutions.

The reduced emitting surface of the LEDs enhances black depth and greatly improves the perception of details and colors.

Result :

- Sharper images
- Richer colors
- Perfect readability, even in direct sunlight

With brightness reaching up to 8000 nits and a contrast ratio of up to 13,000:1, the THORITE 3.0 ensures maximum visual impact in outdoor environments.



SMD1921



SMD1935



ENERGY EFFICIENCY

The THORITE 3.0 integrates advanced energy management technology, significantly reducing power consumption.

Thanks to optimized LED driving, it can achieve up to 50% energy savings compared to conventional solutions.



HIGH-PERFORMANCE MASKS

The new masks of the THORITE 3.0 are designed to reduce light reflections and enhance black depth. Combined with SMD1935 technology, they deliver increased contrast and improved readability, even in direct sunlight.



TECHNICAL SPECIFICATIONS

		OUTDOOR	
Product Parameters	Unit	3.9	4.8
Pixel Pitch	mm	3,91	4,81
LED		SMD1935	
Application		Outdoor LED cabinet	
Ingress Protection	IP	IP66	
Brightness	cd/m ²	≤ 6000 Nits @5volts	≤ 8000 Nits @5volts
Color Temperature after calib (adjustable)	deg. K	6500	
Viewing Angle (50% brightness)	deg.	160H / 90 V	
Cabinet Size (WxHxD)	mm	1000 x 500 x 81.5 / 1000 x 750 x 81.5 / 1000 x 1000 x 81.5 / 1500 x 500 x 81.5 / 1500 x 750 x 81.5 / 1500 x 1000 x 81.5	
Display area (WxH)	mm	1000 x 500 / 1000 x 750 / 1000 x 1000 / 1500 x 500 / 1500 x 750 / 1500 x 1000	
Module Size (WxHxD)	mm	500 x 250 x 20	
Pixel Matrix Per Cabinet (WxH)	px	256 x 128 / 256 x 192 / 256 x 256 / 384 x 128 / 384 x 192 / 384 x 256	208 x 104 / 208 x 156 / 208 x 208 / 312 x 104 / 312 x 156 / 312 x 208
Pixel Matrix Per Module (WxH)	px	128 x 64	104 x 52
Pixel Density	px/m ²	65536	43264
Weight	kg/m ²	27	
Cabinet Material		Die-casting aluminum	
Maintenance Mode		Back & front (tool required for front)	
Mask specification		95% Plastic + 5% Fiber / SS screws / Shaders	
Contrast Ratio		13.000:1	
Grey scale (linear)	bit	16	
Brightness control	bit	16	
Processing depth	bit	16	
Color		281 trillions	
Display Refresh Rate	Hz	3840 - 7680	
Operation Power	V	AC100-240V	
Max. Power Consumption	W/m ²	650	
Average Power Consumption	W/m ²	195	
Control Mode		Synchronous / Asynchronous	
Video Frame Rate	Hz	50/60Hz	
Input Types Supported		DVI / SDI / HDMI	
Support Backup (signal & power)		Yes	
Calibration		Yes	
Lifetime (50% brightness)	h	50000	
Operating Humidity Range		10-95%	
Operating Temperature Range		-20°C / +60°C	
Screen Uniformity Correction		-	
Certification		CE / CB / FCC / ETL	
Available options		Angle cabinet, Gold wire, 500x500 / 500x750 / 500x1000 Cabinets	
Compatibilité		All cabinet dimensions are compatible with each other	

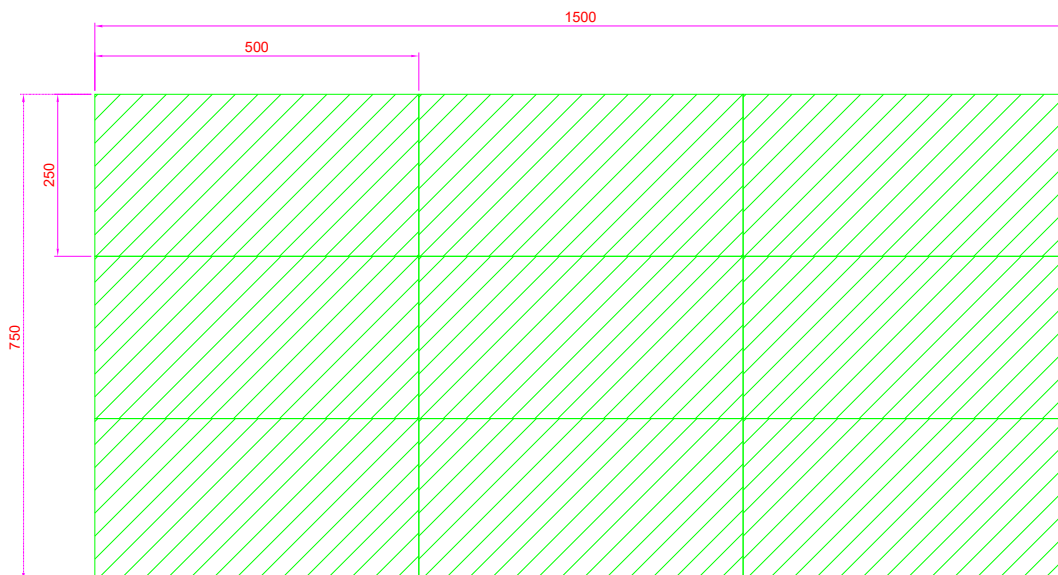
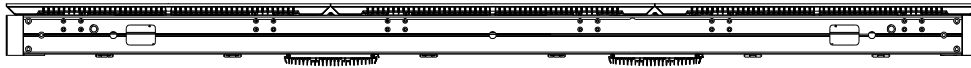
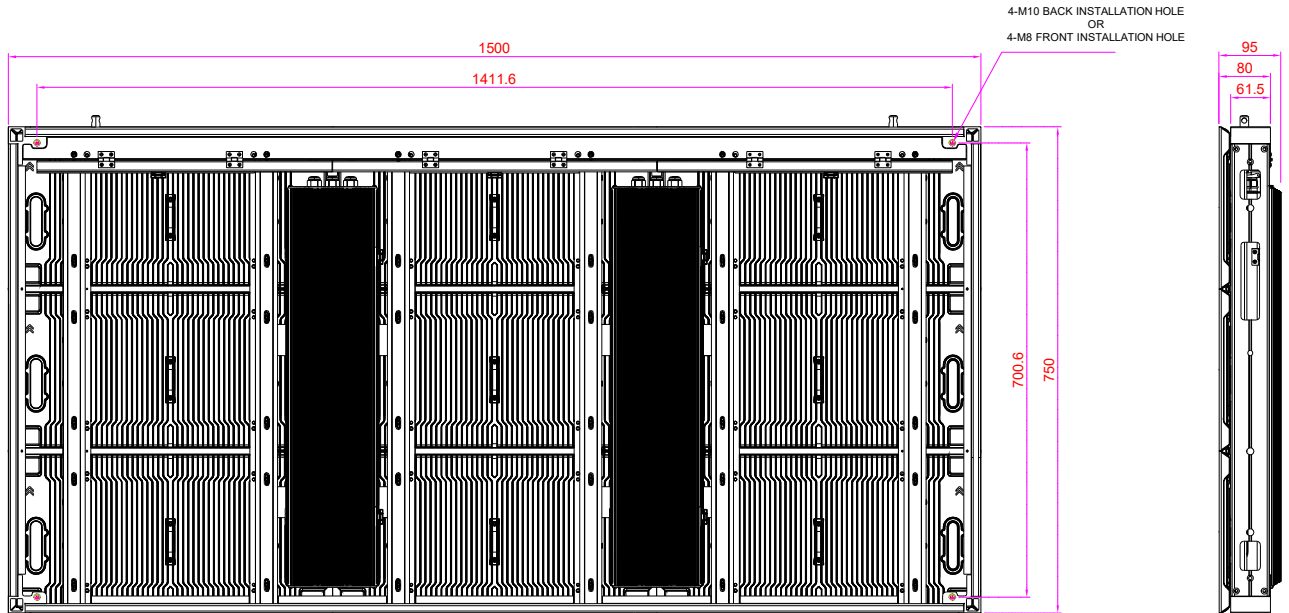


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TECHNICAL DRAWINGS

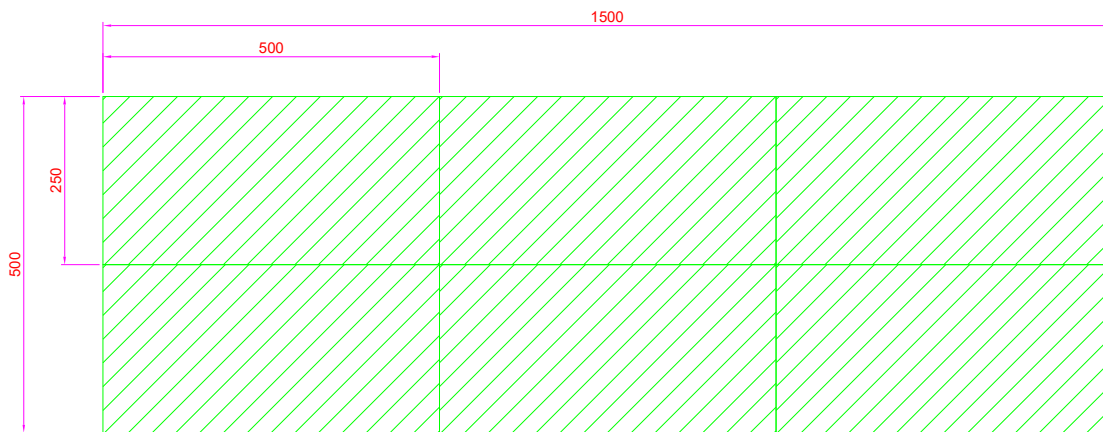
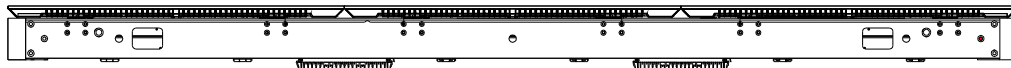
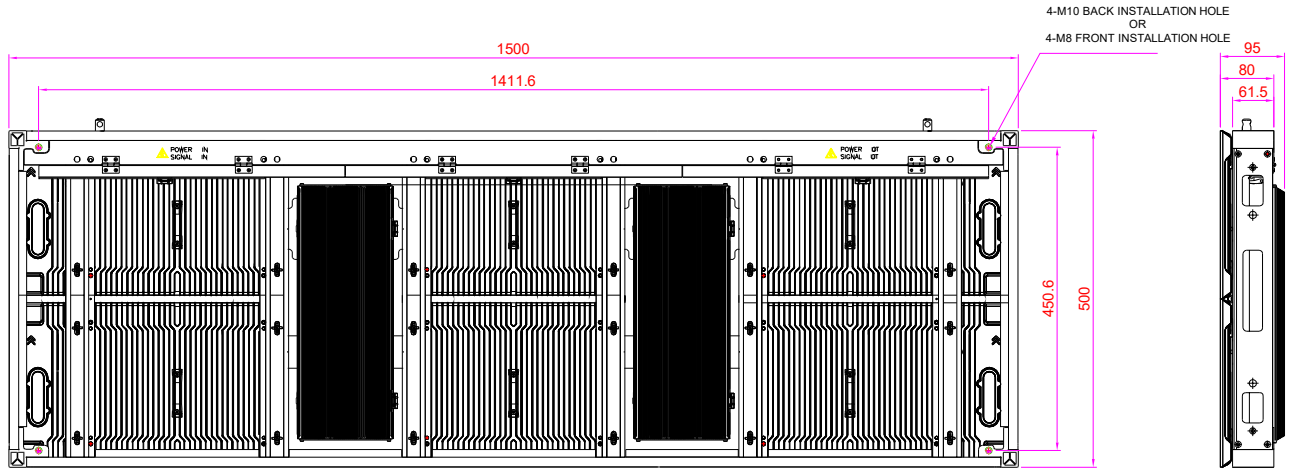
1500 X 750 mm





TECHNICAL DRAWINGS

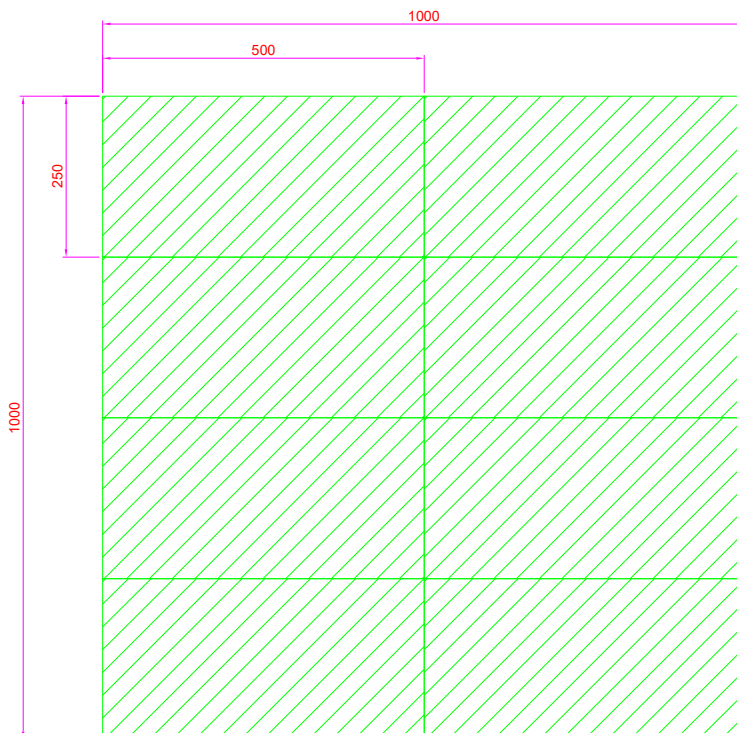
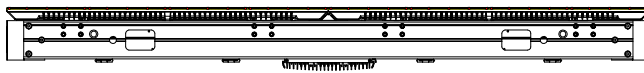
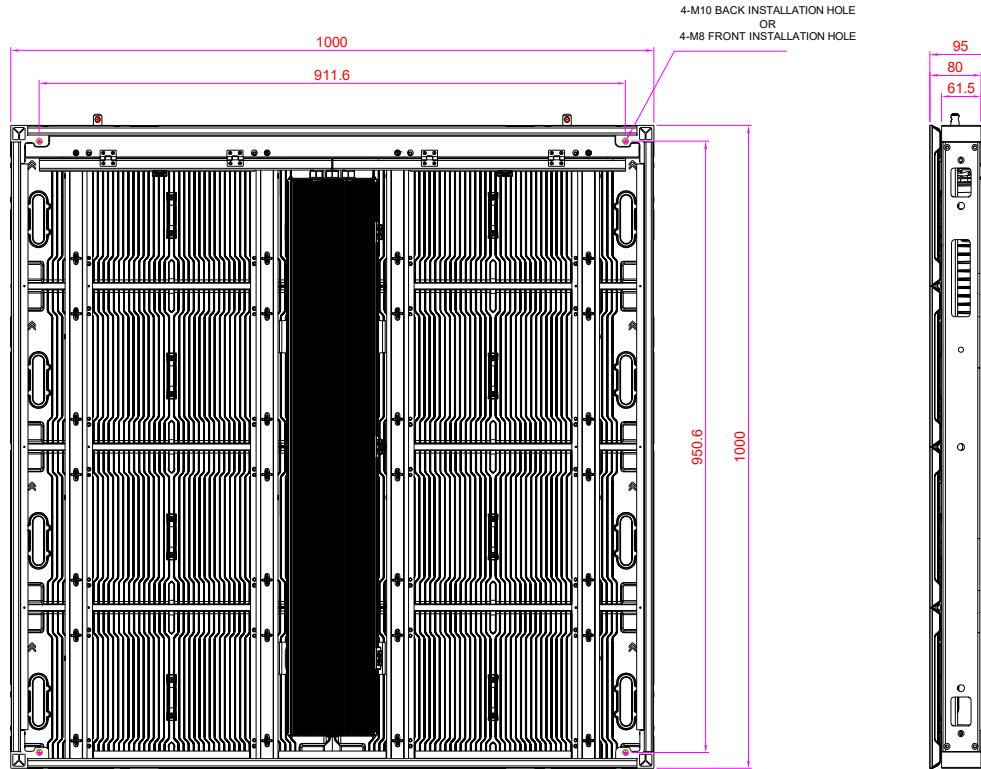
1500 X 500 mm





TECHNICAL DRAWINGS

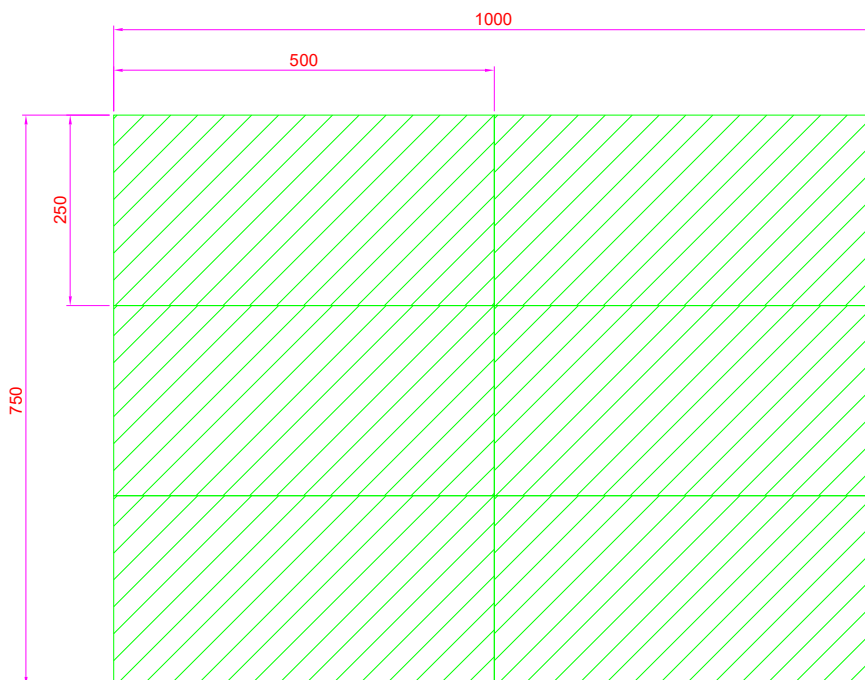
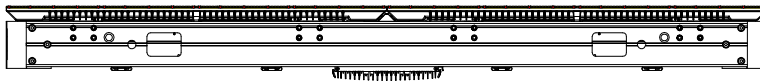
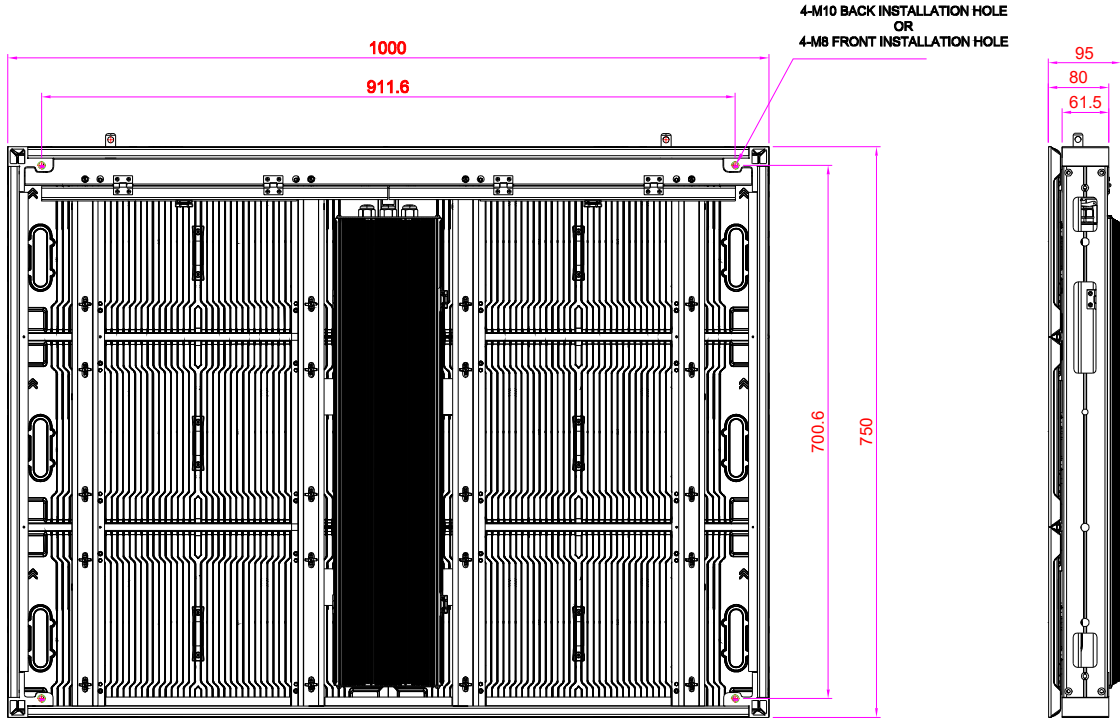
1000 X 1000 mm





TECHNICAL DRAWINGS

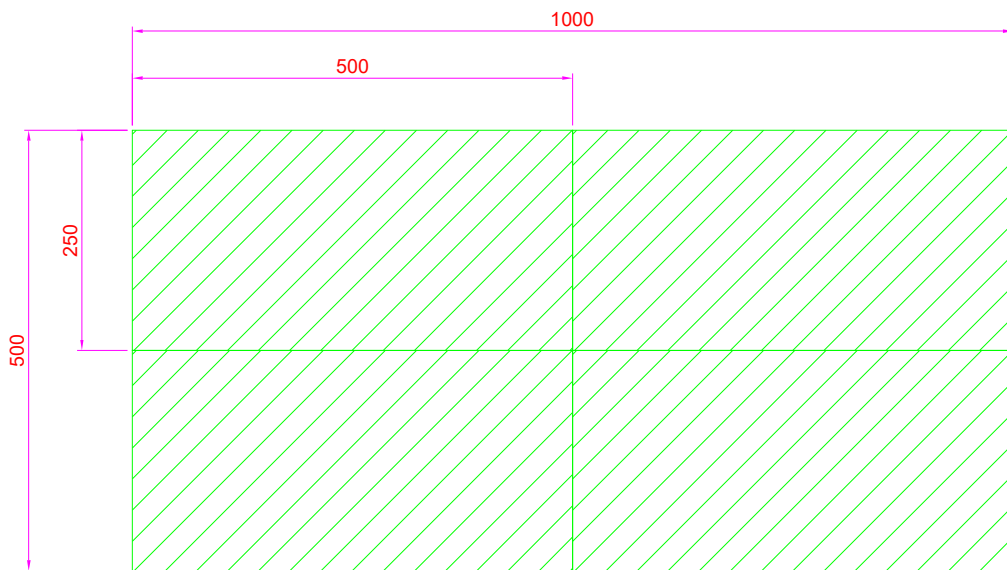
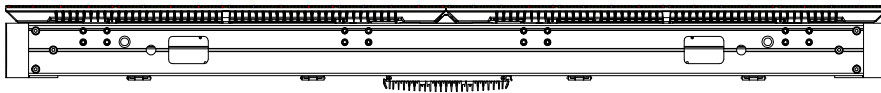
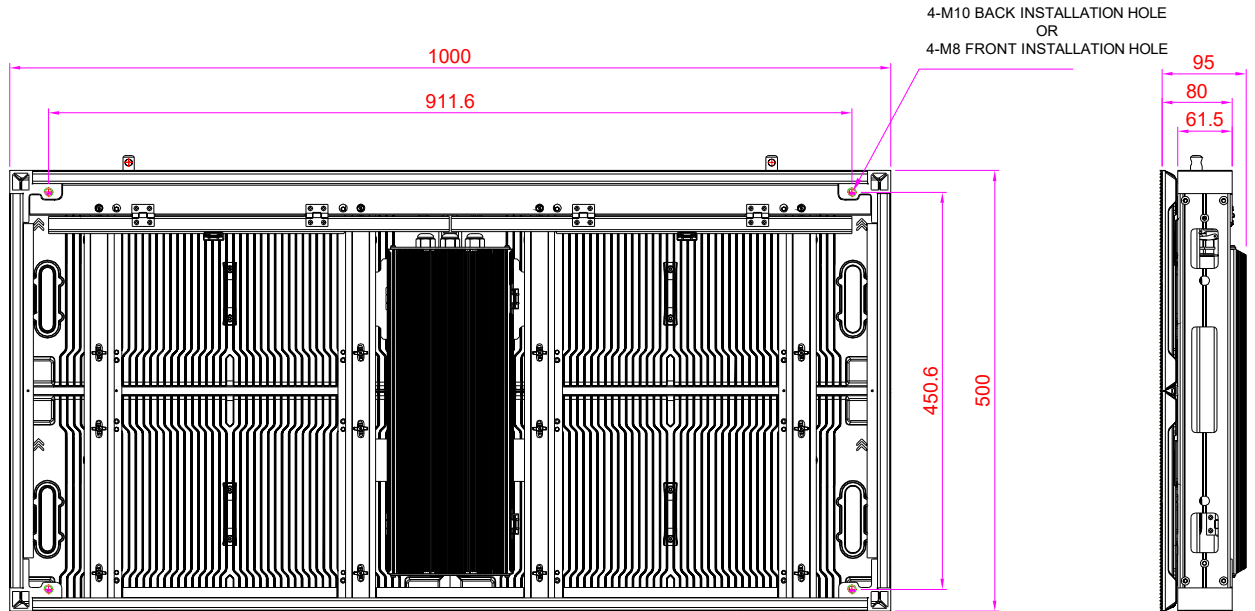
1000 X 750 mm





TECHNICAL DRAWINGS

1000 X 500 mm





CONTACT

The Artixium regional branches are the key for the growth and development of our global network all over the world. Artixium's team is a spectrum of different nationalities and cultures, reflecting their global presence and mindset, mak-

ing their communication smooth and hassle-free with clients from all around the world. Customer care, Innovation and flexibility has always been our values and we intend to keep this reputation for many years to come.

ARTIXIUM FRANCHISES

"From your project's conception to its completion."



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Since its creation in 2012 by two european entrepreneurs, Artixium has been evolving and always looking for innovative ways to contribute to the digital transition of our world. It only took a few years for Artixium to become a key player in the LED display industry.

www.artixium.com