



TITANITE ACCESS

ULTRA-HD LED CABINET





OVERVIEW

Push the limits of image performance with TITANITE ACCESS, our 16:9 LED cabinet equipped with Full Black Face SMD LEDs. Offering an ultra-fine pixel pitch from P1.2 to P1.8, it combines exceptional image quality with easy operation and installation, making it ideal for demanding applications.



APPLICATION
Indoor



BRIGHTNESS
≤ 600 NITS @5voltz



INGRESS PROTECTION
IP54



WEIGHT
6 kg/cabinet



PIXEL PITCH
P1.2 P1.6 P1.8



MATERIAL
Die-casting aluminum



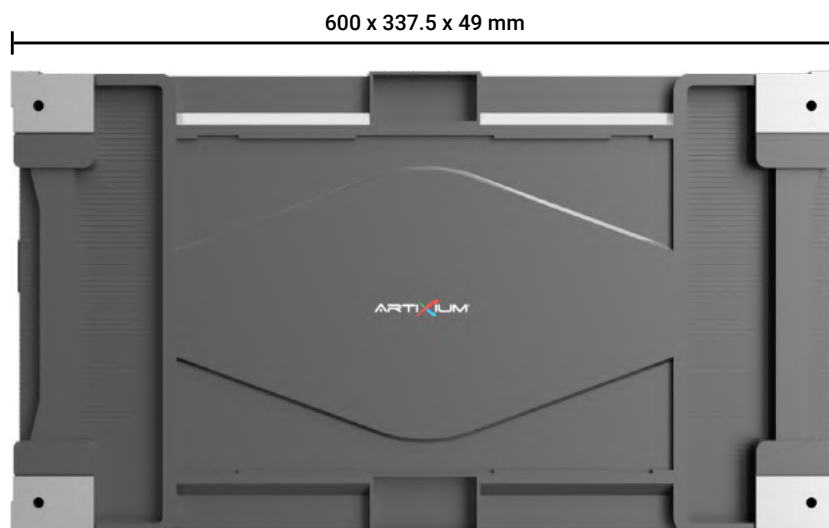
DISPLAY AREA (W x H)
600 x 337.5 mm



MAINTENANCE
Front maintenance



FEATURES





FULL BLACK FACE SMD

The 1010, 1212 and 1515 SMDs used in TITANITE ACCESS deliver excellent display quality and image definition thanks to their Full Black Face resin. In addition, this technology allows individual LEDs to be repaired far more easily than on GOB or COB panels.



16:9 RATIO

TITANITE ACCESS features a native 16:9 aspect ratio, perfectly aligned with current video standards. This format simplifies the creation of video walls at common resolutions such as Full HD, 4K or 8K, without requiring cropping or software adjustments.

It also streamlines integration into professional environments, corporate presentations, live broadcasts, or immersive scenography, while ensuring perfectly proportioned visuals.

HIGH-END APPLICATIONS

With its ultra-fine resolution, native 16:9 format and FULL BLACK FACE SMD LEDs, TITANITE ACCESS stands out as an ideal solution for demanding environments, while maintaining the most affordable price point in our Ultra HD range. It naturally fits into control and mo-

nitoring rooms, broadcast studios, boardrooms, premium reception areas, and technology showrooms. Its precision and compact design also make it a strong choice for virtual production stages, corporate video walls, and premium architectural integrations.



ULTRA HD & 4K RESOLUTION

Thanks to its ultra-fine pixel pitch, TITANITE ACCESS achieves Full HD, Ultra HD 4K and even 8K resolutions with a reduced number of cabinets. Below is a summary table of the available resolutions and the number of cabinets required for each:



Resolution		1.2	1.5	1.8
Number of cabinets	Full HD (1920x1080)	16	25	36
Screen dimensions	Full HD (1920x1080)	2400 x 1350	3000 x 1687,5	3600 x 2025
Number of cabinets	4K (3840x2160)	64	100	144
Screen dimensions	4K (3840x2160)	4800 x 2700	6000 x 3375	7200 x 4050
Number of cabinets	8K (7680x4320)	256	400	576
Screen dimensions	8K (7680x4320)	9600 x 5400	12000 x 6750	14400 x 8100



FRONT MAINTENANCE

TITANITE ACCESS is designed to ensure fast and effortless maintenance. The LED modules are magnetically attached to the cabinet, enabling front access without dismantling the entire structure. A simple vacuum-based tool applied to the LED surface allows the modules to be removed safely and precisely, making maintenance or replacement operations as quick as they are discreet.

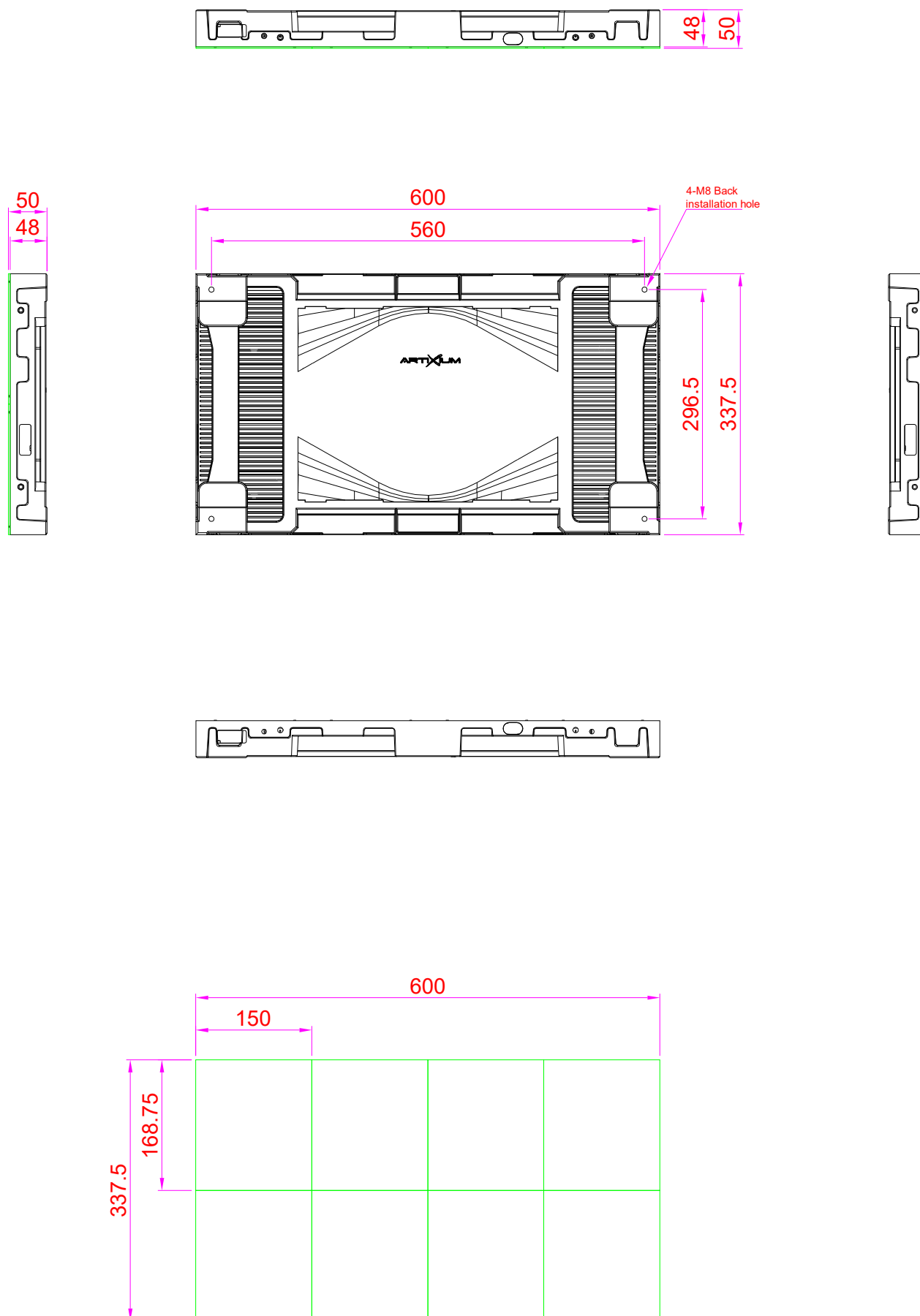


TECHNICAL SPECIFICATIONS

Product Parameters	Unit	INDOOR		
		1.2	1.5	1.8
Pixel Pitch	mm	1,25	1,56	1,88
LED		SMD1010	SMD1212	SMD1515
Application		Media UHD		
Ingress Protection	IP	IP54		
Brightness	cd/m ²	≤ 600 @5volts Adjustable		
Color Temperature after calib (adjustable)	deg. K	5000 - 10000		
Viewing Angle (50% brightness)	deg.	160 H / 140 V		
Cabinet Size (WxHxD)	mm	600 x 337.5 x 49		
Cabinet display area (WxH)	mm	600 x 337.5		
Module display area (WxH)	mm	150 x 168.75		
Pixel Matrix Per Cabinet (WxH)	px	480 x 270	384 x 216	320 x 180
Pixel Matrix Per Module (WxH)	px	120 x 135	96 x 108	80 x 90
Pixel Density	px/m ²	640000	409600	284444
Weight of cabinet	kg	6		
Cabinet Material		Die-casting aluminum		
Maintenance Mode		Front		
Mask specification		No Mask		
Contrast Ratio		High		
Grey scale (linear)	bit	16		
Brightness control	bit	16		
Processing depth	bit	14 - 16		
Color		281 Trillions		
Display Refresh Rate	Hz	3840		
Operation Power	V	AC100 - 240V		
Max. Power Consumption	W/m ²	650		
Average Power Consumption	W/m ²	150		
Control Mode		Synchronization		
Video Frame Rate	Hz	50/60Hz		
Input Types Supported		DVI / SDI / HDMI		
3D ready (optional)		Yes		
Calibration		Yes		
Lifetime (50% brightness)	h	100000		
Operating Humidity Range		10-90%		
Operating Temperature Range		-10°C / +45°C		
Screen Uniformity Correction		-		
Certification		CCC / EMC / CE / ROHS		
Available options		-		
Compatibility		No		



TECHNICAL DRAWINGS





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.

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