



QWARTZ

FIXED INDOOR MODULABLE LED DISPLAY





OVERVIEW

With a pixel pitch ranging from P1.9 to P4.8, the QWARTZ is the ideal LED cabinet for any indoor LED application that requires a fine pixel pitch. From monitoring rooms, to building lobbies, to trading floors, all can profit from this product's high modularity and quality.



APPLICATION
Indoor



BRIGHTNESS
≤ 3000 NITS @ 5 volts



INGRESS PROTECTION
IP30



WEIGHT
6 - 4.5 - 3.5 kg/cabinet



PIXEL PITCH
P1.9 P2.6 P2.9 P3.9 P4.8



MATERIAL
Die-casting aluminum



DISPLAY AREA (W x H)
1000 x 250 mm
750 x 250 mm
500 x 250 mm

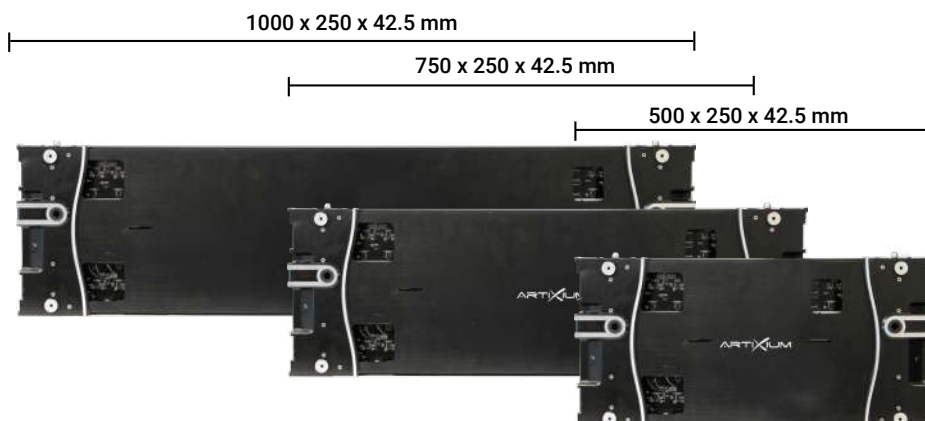


MAINTENANCE
Front maintenance



FEATURES

In order to maximize its compatibility with any project, the QWARTZ is available in three sizes that are all compatible with one another.



MAINTENANCE

The QWARTZ is a precise and robust product that can directly be mounted on a wall thanks to its front integration and maintenance system. These processes

can be operated by one technician because of this product's small size and lightweight.



FRONT MAINTENANCE WITH
A MAGNETIC TOOL



45° CUT CABINETS
(OPTIONAL)



QUICK INTEGRATION



BRIGHTNESS

With a brightness to up to 3000 NITS and a high contrast ratio, the QWARTZ can display vivid and well-defined colors. These features are to be taken into account when estimating the potential image quality of a LED display.

90° ANGLES

Upon request, we can provide 45° cut cabinets in order to integrate the QWARTZ at 90° angles. Therefore, this product can easily fit different rooms for a continued aesthetic display.

HIGH RESOLUTION

Even though it is an affordable product, the QWARTZ offers a fine pixel pitch for an excellent resolution. It's an excellent product if you want to conceive high resolution LED display at an affordable cost.



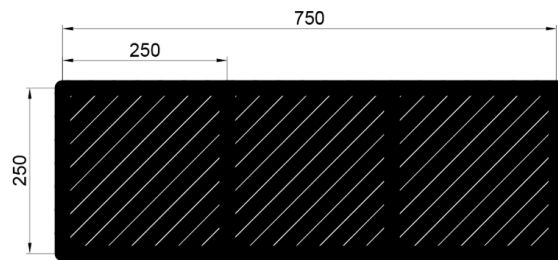
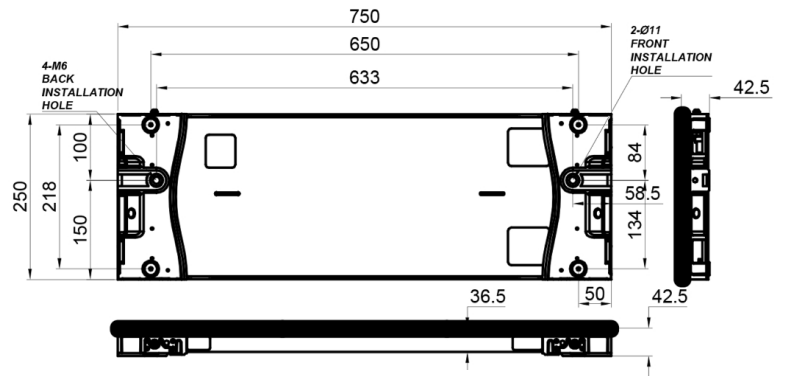
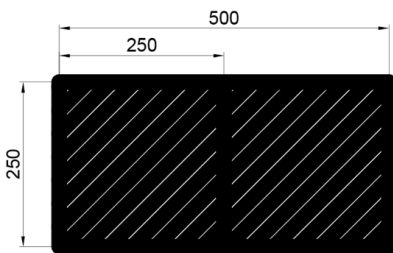
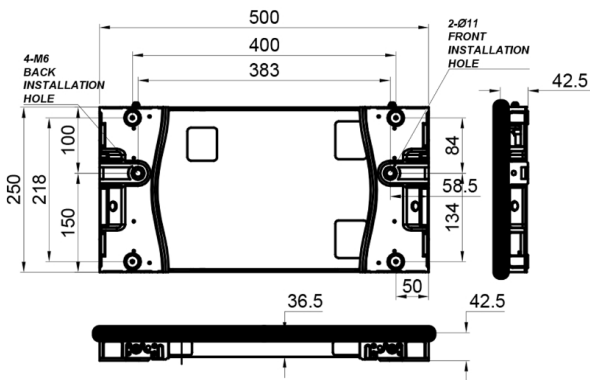
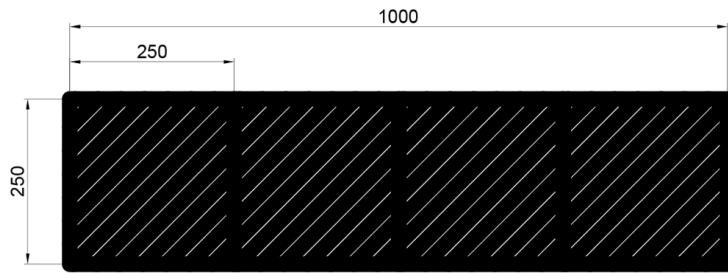
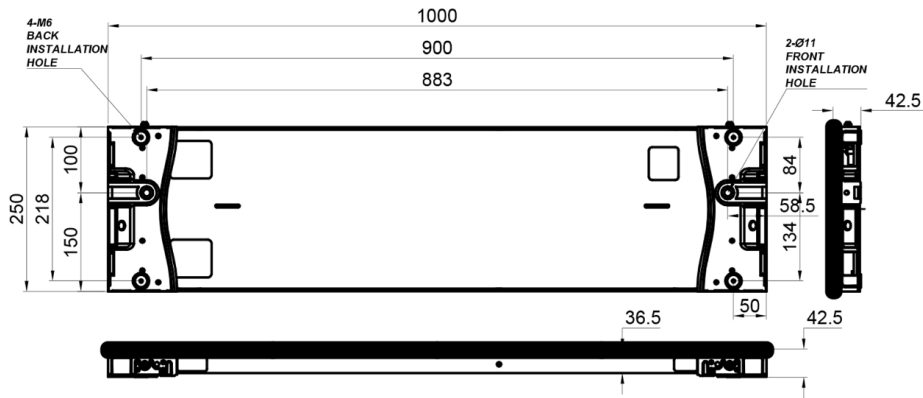


TECHNICAL SPECIFICATIONS

		INDOOR				
Product Parameters	Unit	1.9	2.6	2.9	3.9	4.8
Pixel Pitch	mm	1,95	2,60	2,98	3,91	4,81
LED		SMD1515 3in1 (Black Face)				
Application		Media (retail)				
Ingress Protection	IP	IP30				
Brightness	cd/sqm	≤ 800 Nits @5volts	≤ 1500 Nits @5volts	≤ 3000 Nits @5volts		
Color Temperature after calib (adjustable)	deg. K	6500				
Viewing Angle (50% brightness)	deg.	140(+/-70) H / 140 V				
Cabinet Size (WxHxD)	mm	1000 x 250 x 42.5 / 750 x 250 x 42.5 / 500 x 250 x 42.5				
Display area (WxH)	mm	1000 x 250 / 750 x 250 / 500 x 250				
Module Size (WxHxD)	mm	250 x 250 x 15				
Pixel Matrix Per Cabinet (WxH)	px	512 x 128 / 384 x 128 / 256 x 250	384 x 96 / 288 x 96 / 192 x 250	336 x 84 / 252 x 84 / 168 x 250	256 x 64 / 192 x 64 / 128 x 250	208 x 52 / 156 x 52 / 104 x 250
Pixel Matrix Per Module (WxH)	px	128 x 128	96 x 96	84 x 84	64 x 64	52 x 52
Pixel Density	px/sqm	262144	147456	112896	65536	43264
Weight of cabinet	kg	6 / 4.5 / 3.5				
Cabinet Material		Die-casting aluminum				
Maintenance Mode		Front				
Mask specification		95% Plastic + 5% Fiber / Clip type (no screws) / No Shaders				
Contrast Ratio		High				
Grey scale (linear)	bit	16				
Brightness control	bit	16				
Processing depth	bit	16				
Color		281 Trillions				
Display Refresh Rate	Hz	3840				
Operation Power	V	AC85-230V				
Max. Power Consumption	W/sqm	420				
Average Power Consumption	W/sqm	160				
Control Mode		Synchronisation				
Video Frame Rate	Hz	50/60Hz				
Input Types Supported		DVI / SDI / HDMI				
3D ready (optional)		Yes				
Calibration		Yes				
Lifetime (50% brightness)	h	50000				
Operating Humidity Range		10-95%				
Operating Temperature Range		-10°C / +50°C				
Screen Uniformity Correction						
Certification		CE / ETL / CCC				
Available options		GME (Global Module Encapsulation), nanocoating, customizable size (vertical), Curve				
Compatibility		All cabinets size are compatible to each other				



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.

www.artixium.com