



PROTON 2.0

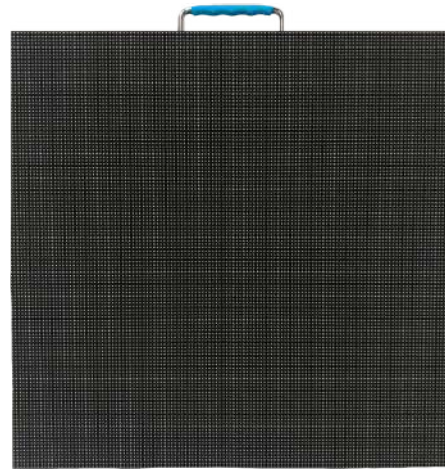
FIXED INDOOR & OUTDOOR LED DISPLAY





OVERVIEW

The PROTON 2.0 is our newborn solution for cost-effective fixed installations. This indoor and outdoor product is the perfect balance between simple engineering and optimized components. With a size of 500 x 500 x 83 mm and a weight of 8 to 14 kg, the PROTON 2.0 is the right product to make your fixed installation projects fast and easy.



APPLICATION
Indoor / Outdoor



INGRESS PROTECTION
IP41 (indoor - IP44 opt.)
IP65 (outdoor)



PIXEL PITCH
P2.6 P2.9 P3.9 (indoor)
P2.9 P3.9 P4.8 P5.9 (outdoor)



DISPLAY AREA (W x H)
500 x 500 mm



BRIGHTNESS
≤ 2000 NITS (indoor)
≤ 5500 NITS (outdoor)



WEIGHT
14 kg/cabinet (indoor)
8 kg/cabinet (outdoor)



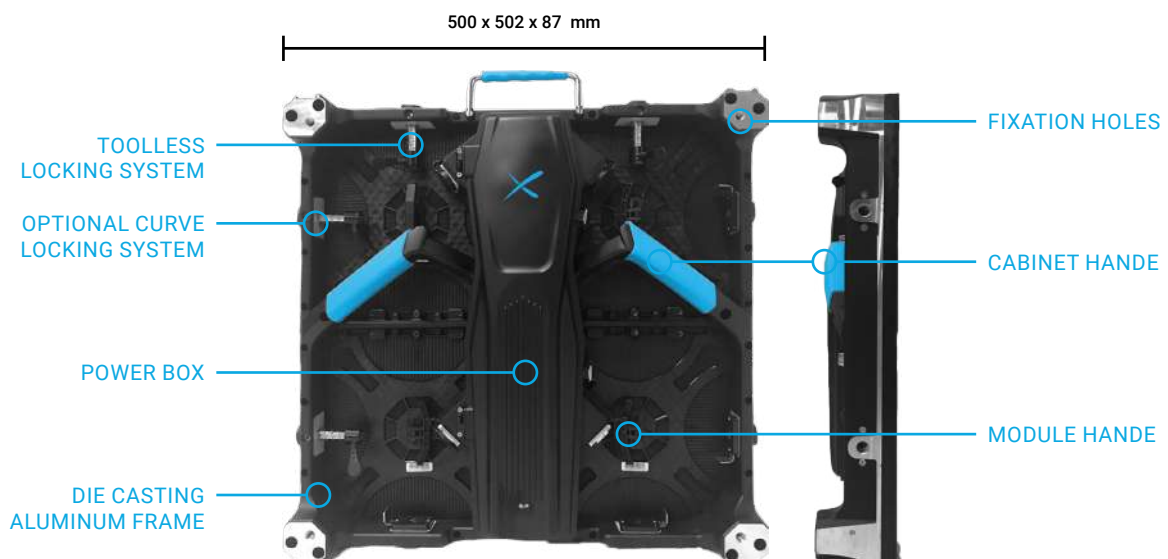
MATERIAL
Die-casting aluminum



MAINTENANCE
Back maintenance



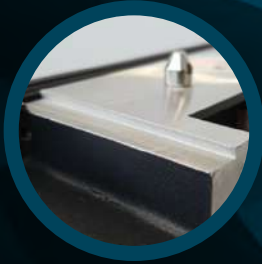
FEATURES



CURVE OPTION

This option was designed to allow the PROTON 2.0 to be integrated at +/-10° curves. This tool-less feature doesn't

require any additional accessories, it's directly integrated into the frame to save time during installation.



ALIGNMENT FURROW



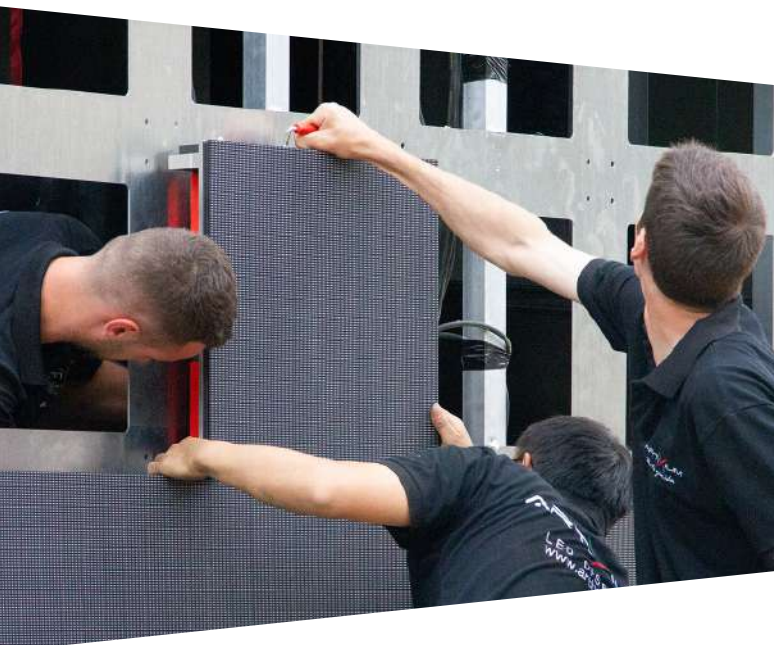
FIXED INSTALLATION READY



BACKDOOR ACCESS

KEY FEATURES

The PROTON 2.0 is perfectly adapted to fixed applications. For this cost-effective product, we didn't compromise on the components or the quality of the features. However, the real added value of the PROTON 2.0 is its ability to be as suitable for fixed installation as well as for rental applications, allowing your fixed installation to be easily re-purposed as rental cabinets.



INTEGRATION

In addition to its remarkable features, the PROTON 2.0 was designed to be user-friendly. Weighing from 8 to 14 kg per cabinet and with a toolless locking system, the PROTON 2.0 installation process is done with ease.



TECHNICAL SPECIFICATIONS

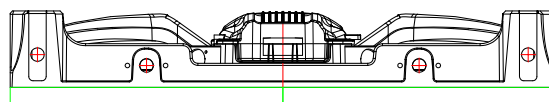
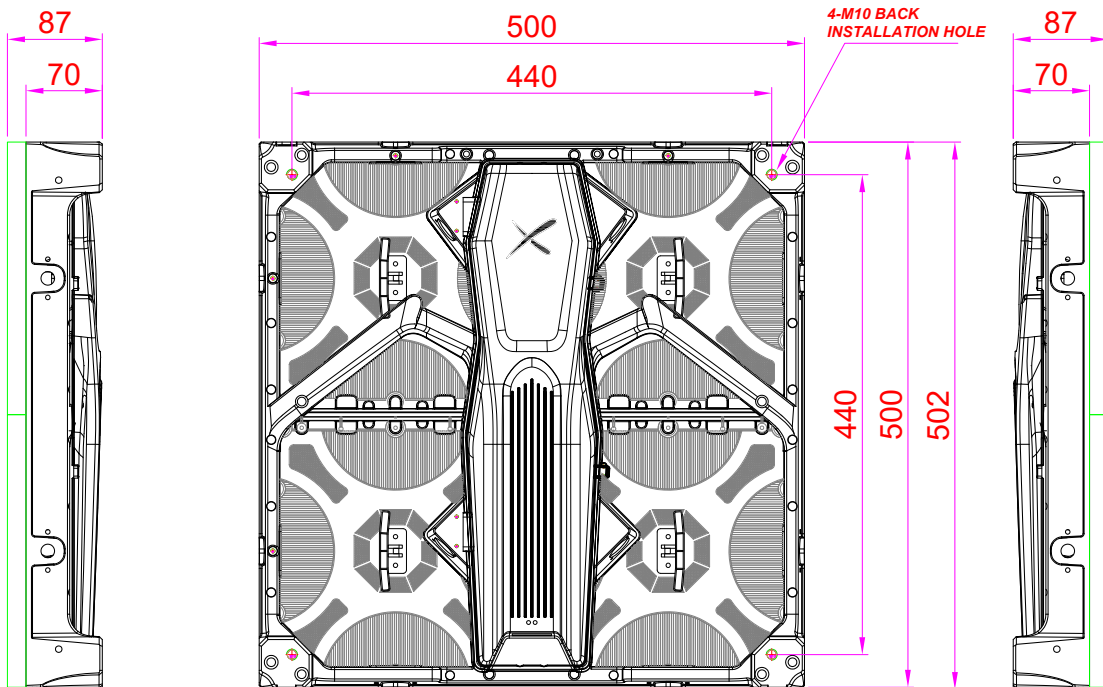
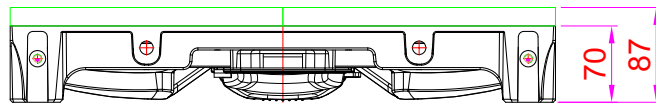
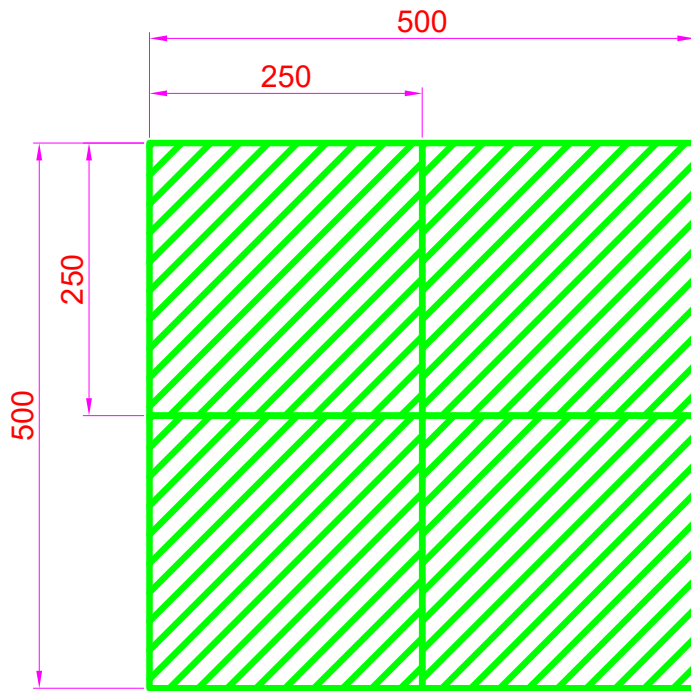
Product Parameters	Unit	INDOOR			OUTDOOR			
		2.6	2.9	3.9	2.9	3.9	4.8	5.9
Pixel Pitch	mm	2,60	2,98	3,91	2,98	3,91	4,81	5,95
LED		SMD1515 3in1 (Black Face)			SMD1921 (Black Face)		SMD2727 3in1 (Black Face)	
Application		Media						
Ingress Protection	IP	IP41 (IP44 optional with nanocoating)			IP65			
Brightness	cd/sqm	≤ 2000 Nits @5volts			≤ 5500 Nits @5volts			
Color Temperature after calib (adjustable)	deg. K	6500						
Viewing Angle (50% brightness)	deg.	140(+/-70) H / 140 V						
Cabinet Size (WxHxD)	mm	500 x 502 x 87						
Display area (WxH)	mm	500 x 500						
Module Size (WxHxD)	mm	250 x 250 x 15			250 x 250 x 15			
Pixel Matrix Per Cabinet (WxH)	px	192 x 384	168 x 336	128 x 256	168 x 168	128 x 128	104 x 104	84 x 84
Pixel Matrix Per Module (WxH)	px	96 x 96	84 x 84	64 x 64	84 x 84	64 x 64	52 x 52	42 x 42
Pixel Density	px/sqm	147456	112896	65536	112896	65536	43264	28224
Weight of cabinet	kg	14			8			
Cabinet Material		Die-casting aluminum						
Maintenance Mode		Back						
Mask specification		95% Plastic + 5% Fiber / SS 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	480			560			
Average Power Consumption	W/sqm	190			220			
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	50000						
Operating Humidity Range		10-95%						
Operating Temperature Range		-10°C / +50°C						
Screen Uniformity Correction								
Certification		CE / ETL / CCC						
Available options		Curve, hanging bars, nanocoating						
Compatibility		Indoor / Outdoor mechanically compatible together						



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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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