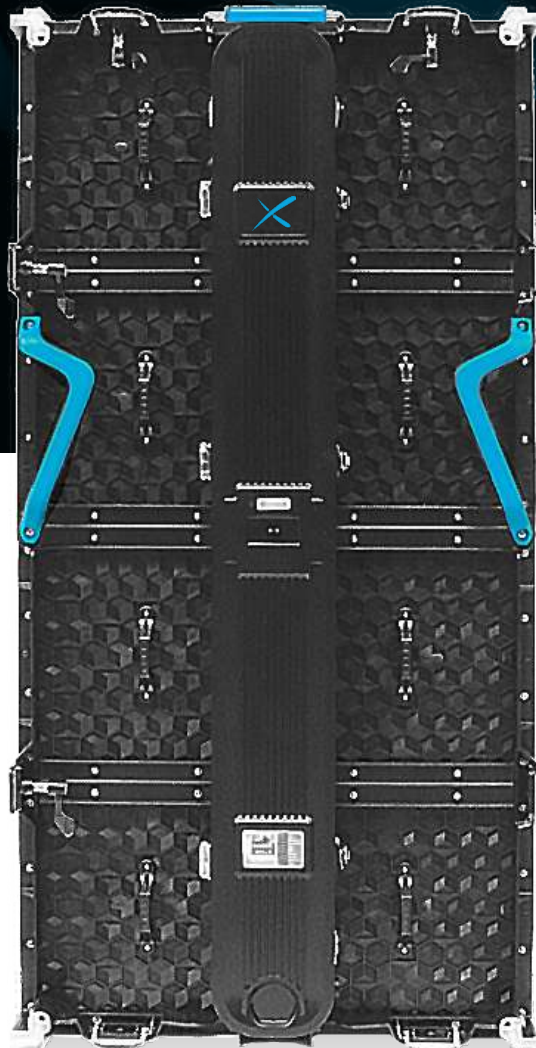




# NEUTRON

FIXED INDOOR & OUTDOOR LED DISPLAY





## OVERVIEW

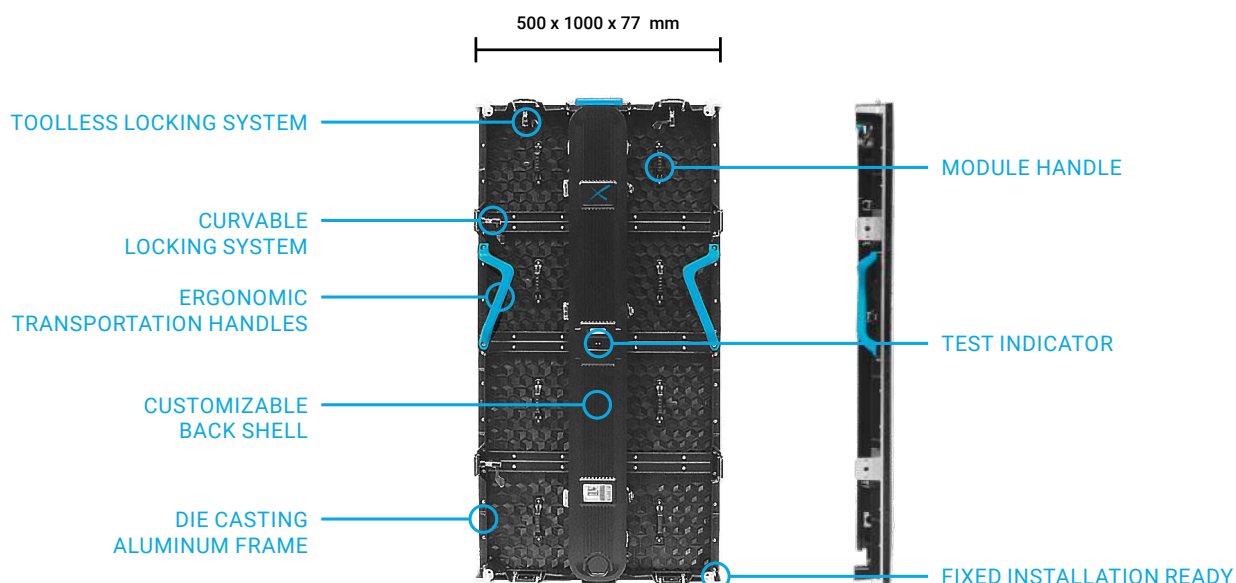
The NEUTRON is one of our solutions for cost-effective fixed LED installations. This indoor and outdoor product is the perfect balance between simple engineering and optimized components. With user-friendly features, a size of 500 x 1000 x 77 mm, and a weight of 14 kg, the NEUTRON is fast and easy to integrate, making your LED display project as simple as possible.



- APPLICATION**  
Indoor / Outdoor
- INGRESS PROTECTION**  
IP41 (IP44 opt. - indoor)  
IP65 (outdoor)
- PIXEL PITCH**  
P2.6 P2.9 P3.9 (indoor)  
P3.9 P4.8 P5.9 P6.2 (outdoor)
- DISPLAY AREA (W x H)**  
500 x 1000 mm
- BRIGHTNESS**  
≤ 2000 NITS (indoor)  
≤ 5500 NITS (outdoor)
- WEIGHT**  
14 kg/cabinet
- MATERIAL**  
Die-casting aluminum
- MAINTENANCE**  
Back maintenance



## FEATURES



## CURVE OPTION

The NEUTRON was designed to allow +/-10° curves. This tool-less feature doesn't require any additional accessories, it's directly integrated into the frame to save time during integration.

## COST-EFFECTIVE

The NEUTRON is mainly designed for fixed applications. As a cost-effective product, we didn't compromise on the components or on the features of this LED display. However, the real added value of the NEUTRON is to be suitable for permanent applications as well as for rental installations, allowing your fixed installation to be easily re-purposed as rental cabinets.

## MAINTENANCE

Each of the NEUTRON's modules can easily be accessed from the back and has an integrated handle in order to ensure a quick and easy replacement. Maintaining the NEUTRON is a simple one-man job.

## INSTALLATION

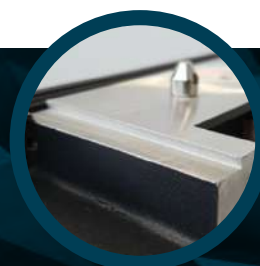
The NEUTRON can be integrated by one technician. This is made possible by its many user-friendly features such as a tool-less locking system, integrated handles, alignment furrows, and relative lightweight. These features are also what make the NEUTRON able to be used as a rental product. This LED display is as reliable as it is versatile.



BACKDOOR ACCESS



FIXED INSTALLATION READY



ALIGNMENT FURROW



### TECHNICAL SPECIFICATIONS

Product Parameters	Unit	INDOOR			OUTDOOR			
		2.6	2.9	3.9	3.9	4.8	5.9	6.2
Pixel Pitch	mm	2,60	2,98	3,91	3,91	4,81	5,95	6,25
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 1000 x 77						
Display area (WxH)	mm	500 x 1000						
Module Size (WxHxD)	mm	250 x 250 x 17						
Pixel Matrix Per Cabinet (WxH)	px	192 x 384	168 x 336	128 x 256	128 x 256	104 x 208	84 x 168	80 x 160
Pixel Matrix Per Module (WxH)	px	96 x 96	84 x 84	64 x 64	64 x 64	52 x 52	42 x 42	40 x 40
Pixel Density	px/sqm	147456	112896	65536	65536	43264	28224	25600
Weight of cabinet	kg	14						
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	600						
Average Power Consumption	W/sqm	240						
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			-20°C / +60°C			
Screen Uniformity Correction		-						
Certification		CE / ETL / CCC						
Available options		Curve, hanging bars, corner protections, nanocoating						
Compatibility		Indoor / Outdoor mechanically compatible together						

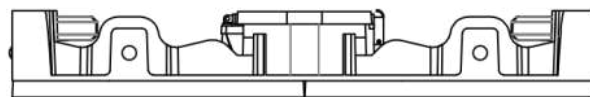
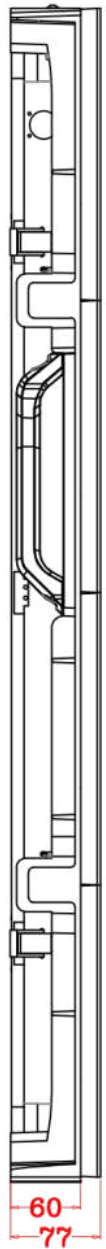
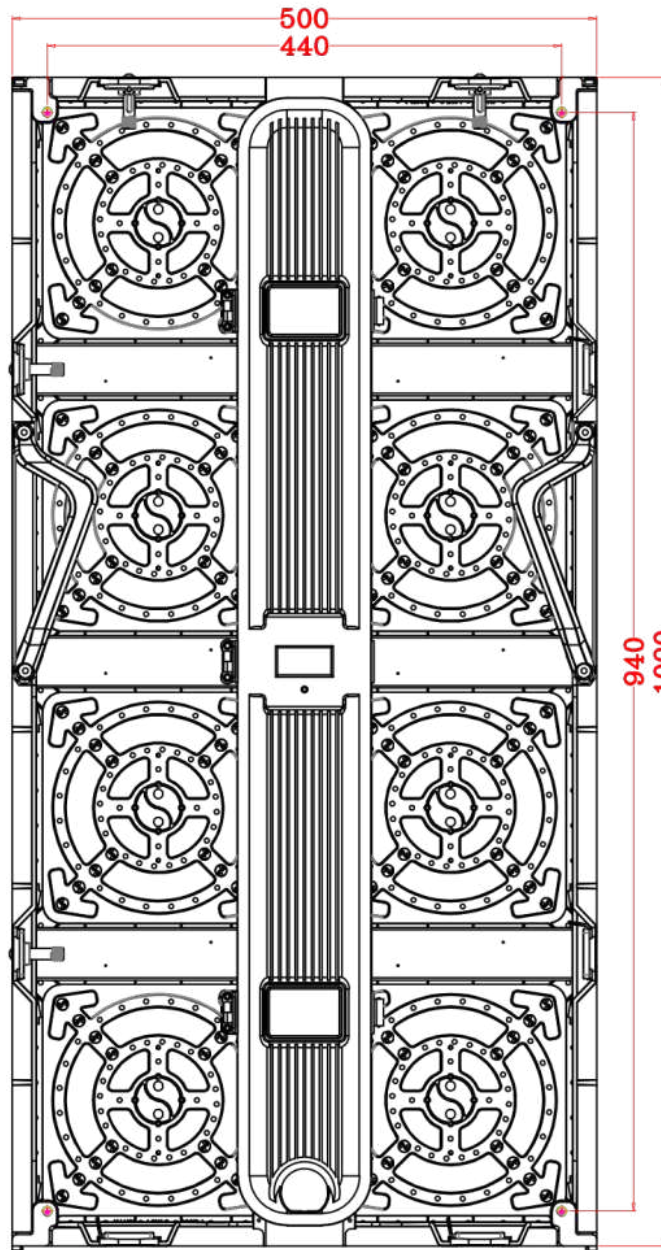
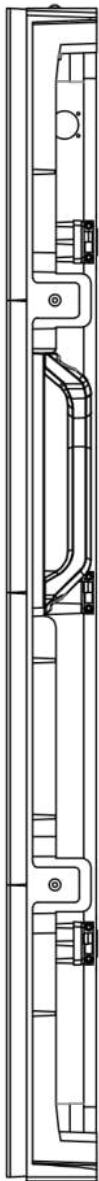
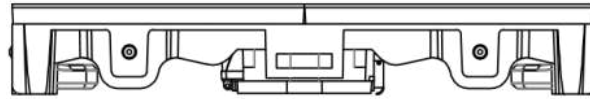


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## TECHNICAL DRAWINGS



# 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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