

HYDROGEN

SPORT

LED PERIMETER SYSTEM





OVERVIEW

Tough and reliable, the HYDROGEN SPORT is our recommended product for regular sports leagues. This LED perimeter system is a cost-effective investment as the HYDROGEN SPORT stands out with its long lifespan and ability to perform normally under harsh weather circumstances. Furthermore, it's a highly modulable product, and the many available options make it able to fit numerous different applications, as peculiar as they can be.



APPLICATION
Indoor / outdoor



INGRESS PROTECTION
IP41 (in.)
IP65 (avant-out.)
IP54 (arrière-out.)



PIXEL PITCH
P5 P6.6 P8 P10 (in.)
P10 (out.)



DISPLAY AREA (W x H)
1280 x 800 mm (P5, P6.6)
1280 x 960 mm (P8, P10)



BRIGHTNESS
≤ 2000 NITS (in.)
≤ 5500 NITS (out.)



WEIGHT
35 - 55 kg/m²



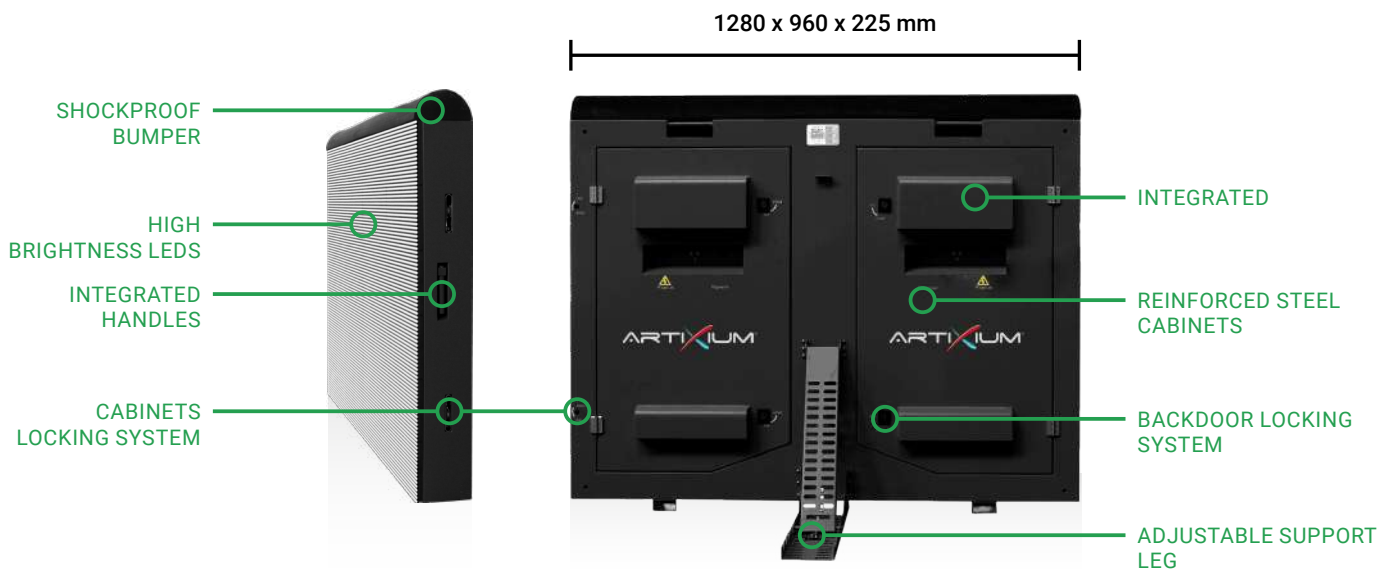
MATERIAL
Galvanized steel



MAINTENANCE
Back maintenance



FEATURES

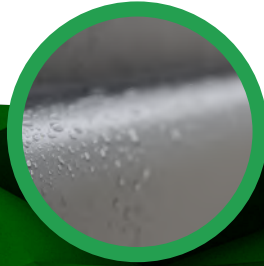


CUSTOMIZABLE PRODUCT

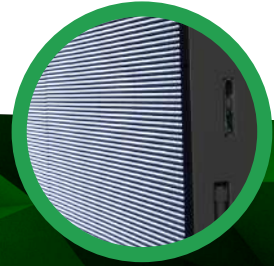
Just like the entire HYDROGEN product range, the HYDROGEN SPORT is highly customizable. The many available options allow extending your product's lifespan, facilitating, or even modulating your LED perimeter's integration. Whether it's an indoor or outdoor application, stacked on the floor or hung from bleachers, many different situations require many different solutions, all of which can be answered by the HYDROGEN SPORT.



INTEGRATED FANS



FULLY WATERPROOF



5500 NITS BRIGHTNESS



EASY MAINTENANCE

The HYDROGEN SPORT's maintenance is operated from the back via the cabinet's backdoors. It's an easy process that can be managed by one qualified technician.

LONG LIFESPAN

With a reinforced steel cabinet, high-performance waterproof seals, and a backdoor designed to protect the cooling openings from the rain, the HYDROGEN SPORT ensures excellent integrity in the long run. The same LED stadium perimeter system will last you many years with no functioning issue.

VISUAL PROPERTIES

With a 5500 NITS brightness and a 10mm pixel pitch, you ensure clear visibility from anywhere in your stadium, day or night, to your different sponsors.





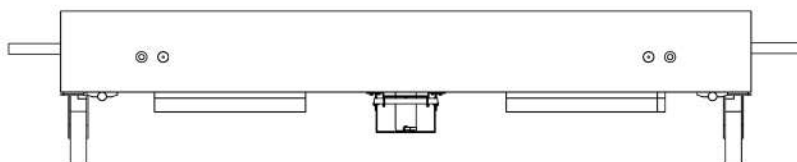
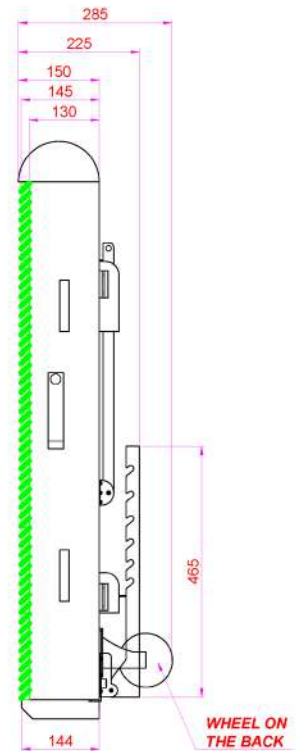
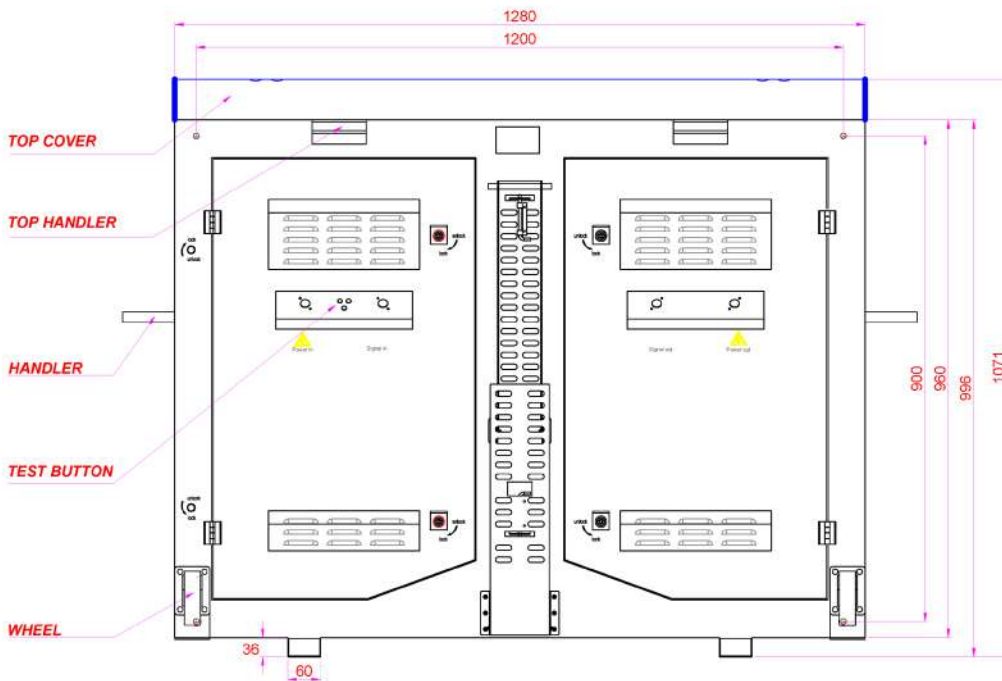
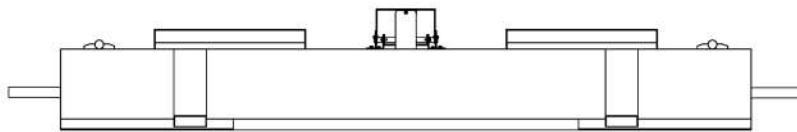
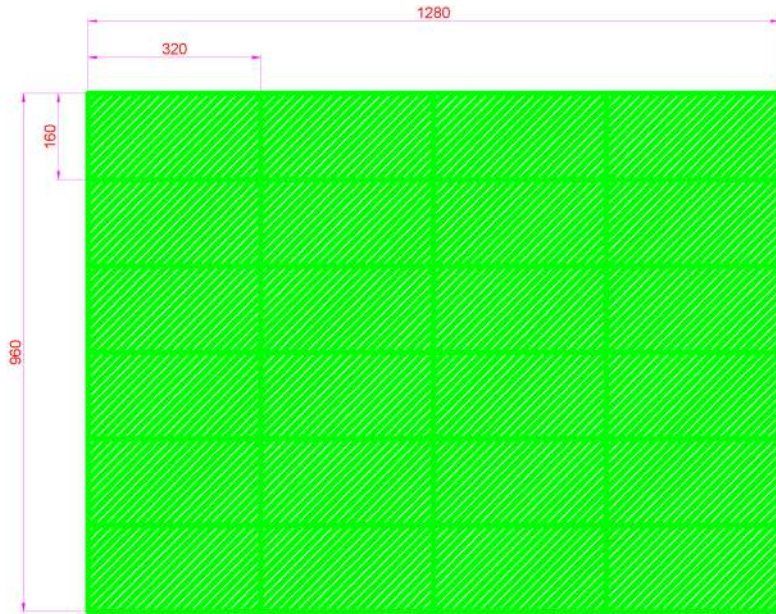
TECHNICAL SPECIFICATIONS

Product Parameters	Unit	INDOOR				OUTDOOR
		5	6.6	8	10	10
Pixel Pitch	mm	5,00	6,67	8,00	10,00	10,00
LED		SMD2727		SMD3528 3in1 (Black Face)		SMD2727 3in1 (Black Face)
Application		LED Perimeter System				
Ingress Protection	IP	IP41				IP65 (front) / IP54 (rear)
Brightness	cd/m ²	≤ 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	1280 x 800 x 225			1280 x 960 x 225	
Display area (WxH)	mm	1280 x 800			1280 x 960	
Module Size (WxHxD)	mm	320 x 160			320 x 160 x 15	
Pixel Matrix Per Cabinet (WxH)	px	256 x 160	192 x 120	160 x 120	128 x 96	128 x 96
Pixel Matrix Per Module (WxH)	px	64 x 32	48 x 24	40 x 20	32 x 16	32 x 16
Pixel Density	px/m ²	40000	22500	15625	10000	10000
Weight	kg/m ²	35			55	
Cabinet Material		Galvanized steel				
Maintenance Mode		Back only				
Mask specification		95% Plastic + 5% Fiber / SS Screws / No shaders				95% Plastic + 5% Fiber / SS Screws / 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/m ²	900				
Average Power Consumption	W/m ²	300				
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				-20°C / +60°C
Screen Uniformity Correction		Brightness + chromaticity				
Certification		CE / ETL / CCC				
Available options		Neutrik indoor connectors / Neutrik outdoor connectors / Aluminum / Perimeter System option / Size can be customised				
Compatibility		No				



TECHNICAL DRAWINGS

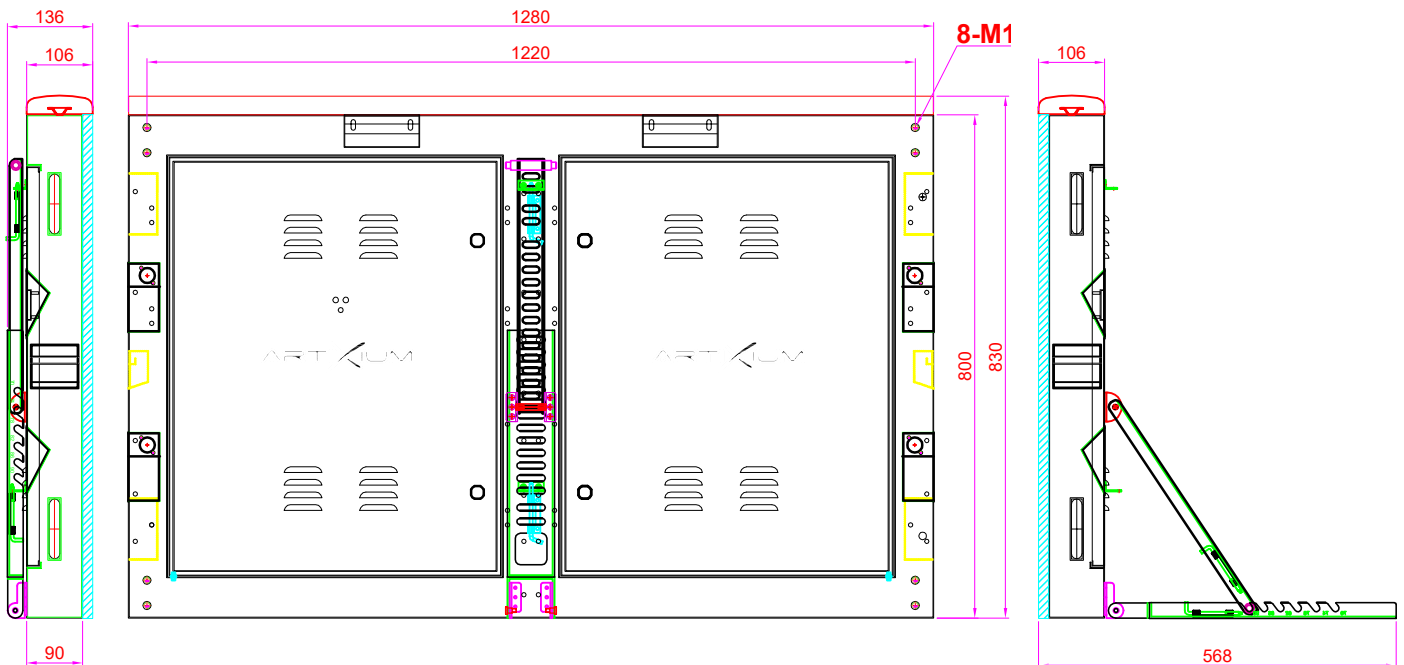
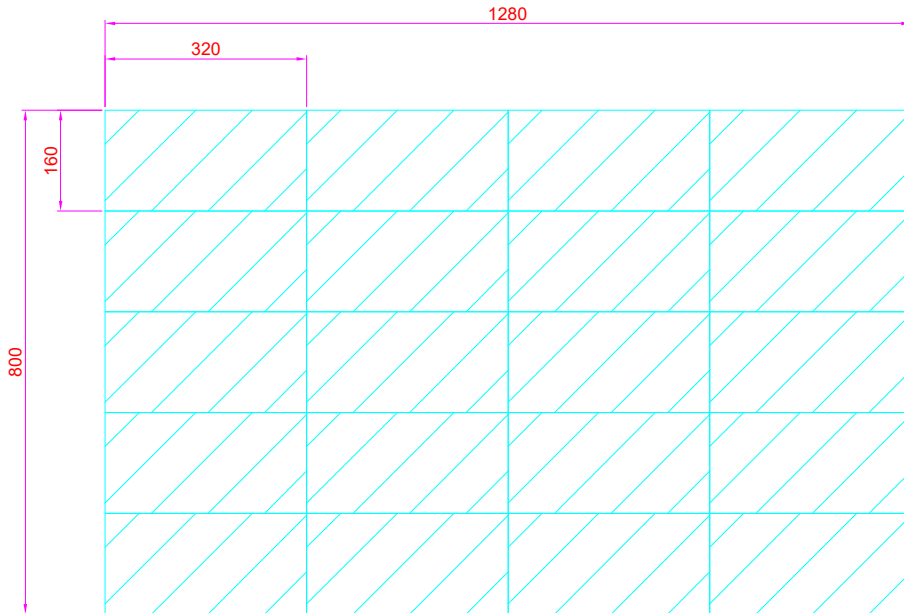
1280 x 960 mm (P8, P10)





DESSINS TECHNIQUES

1280 x 800 mm (P5, P6.6)





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