

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
P8 P10 (in.)
P10 (out.)



DISPLAY AREA (W x H)
1280 x 960 mm



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



WEIGHT
55 kg/sqm



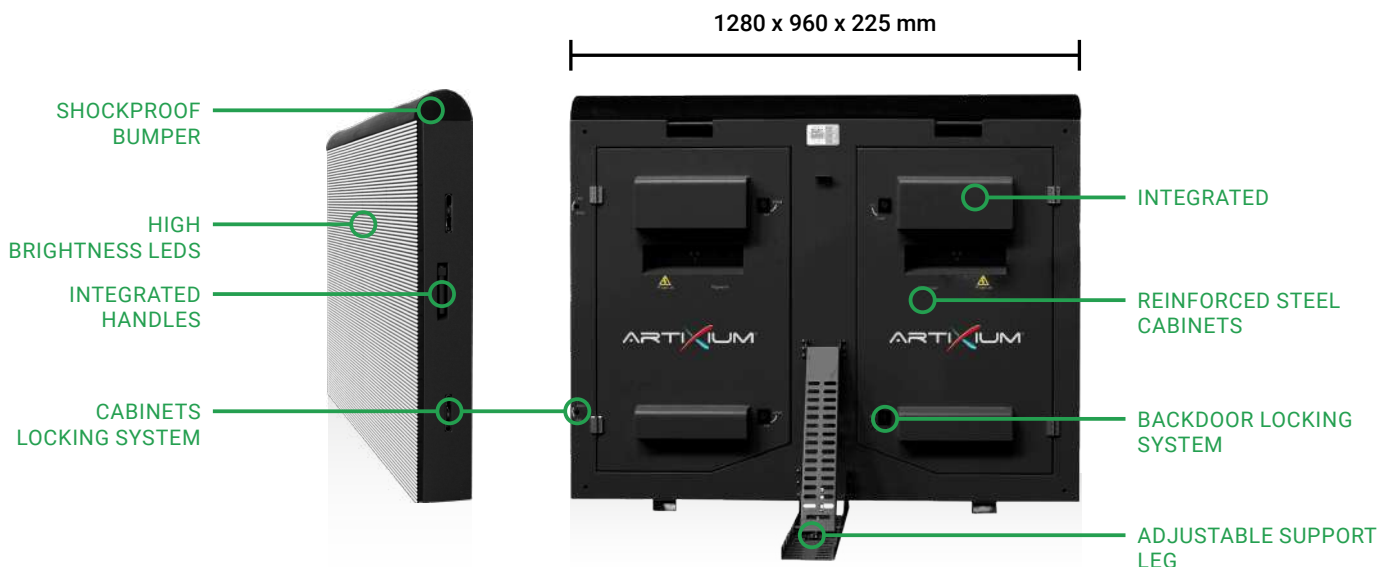
MATERIAL
Reinforced steel



MAINTENANCE
Back maintenance



FEATURES

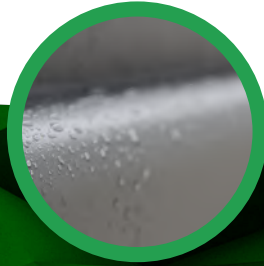


CUSTOMIZABLE PRODUCT

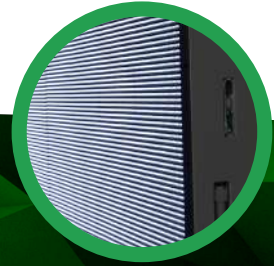
Just like the entire HYDROGEN product range, the HYDROGEN SPORT is highly customizable. The many available options allow extending your product's lifespan, facilitating, or even modulating your LED perimeter's integration. Whether it's an indoor or outdoor application, stacked on the floor or hung from 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

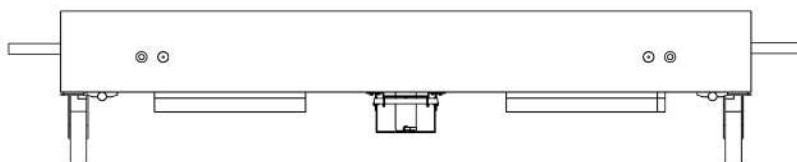
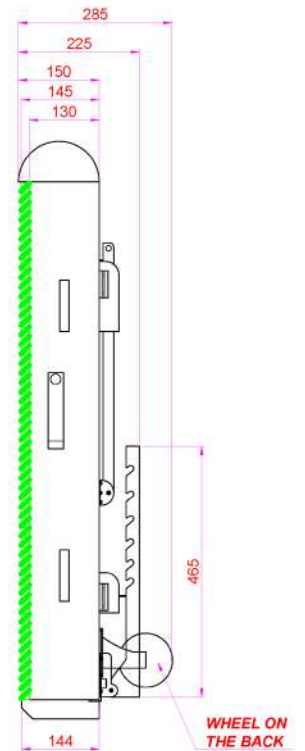
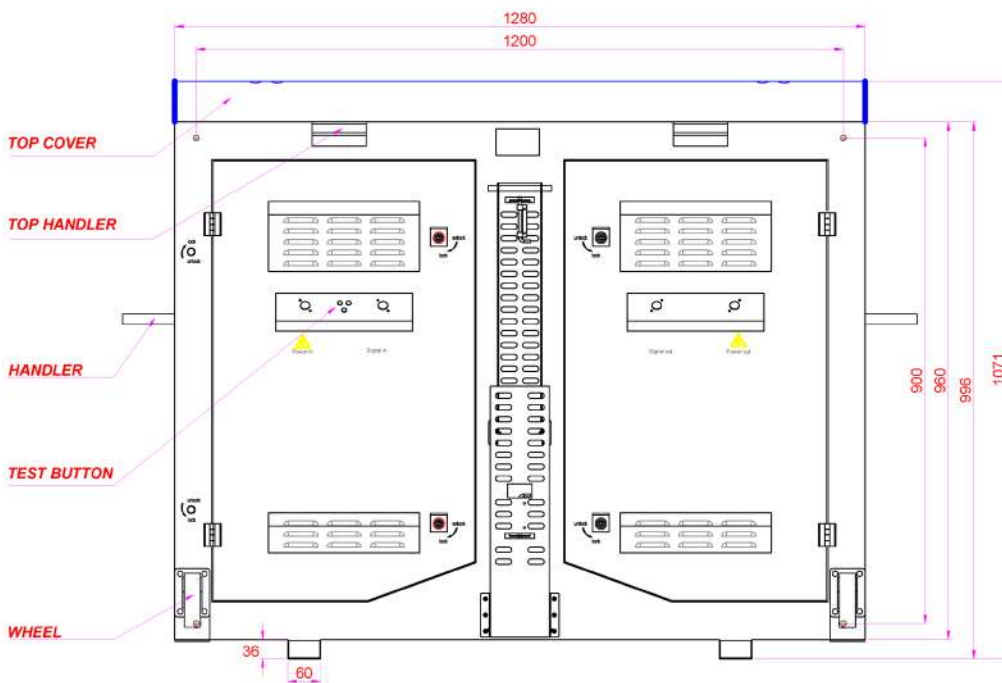
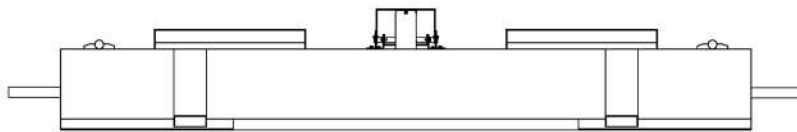
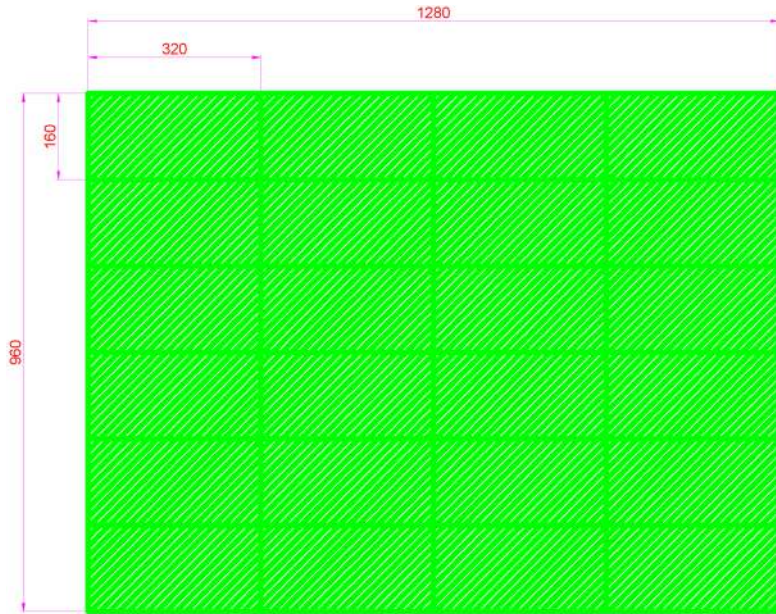
Product Parameters	Unit	INDOOR		OUTDOOR
		8	10	10
Pixel Pitch	mm	8,00	10,00	10,00
LED		SMD3528 3in1 (Black Face)		SMD2727 3in1 (Black Face)
Application		LED Perimeter System		
Ingress Protection	IP	IP41		IP65 (front) / IP54 (rear)
Brightness	cd/sqm	≤ 2000 Nits @5volts		≤ 5500 Nits @5volts
Color Temperature after calib (adjustable)	deg. K	6500		
Viewing Angle (50% brightness)	deg.	140(+/-70) H / 140 V		
Cabinet Size (WxHxD)	mm	1280 x 960 x 225		
Display area (WxH)	mm	1280 x 960		
Module Size (WxHxD)	mm	320 x 160 x 15		
Pixel Matrix Per Cabinet (WxH)	px	160 x 120	128 x 96	128 x 96
Pixel Matrix Per Module (WxH)	px	40 x 20	32 x 16	32 x 16
Pixel Density	px/sqm	15625	10000	10000
Weight	kg/sqm	55		
Cabinet Material		Steel with reinforcements		
Maintenance Mode		Back only		
Mask specification		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/sqm	900		
Average Power Consumption	W/sqm	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 customized		
Compatibility		No		



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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-

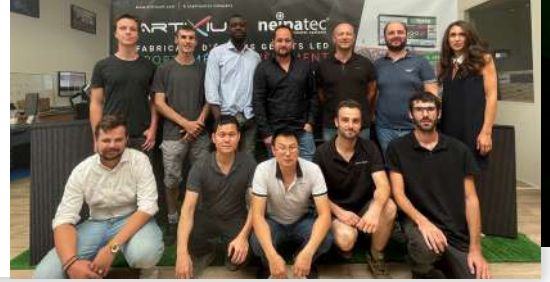
ing their communication smooth and hassle-free with clients from all around the world. Customer care, Innovation and flexibility has always been our values and we intend to keep this reputation for many years to come.

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.

www.artixium.com