HYDROGEN FASCIA

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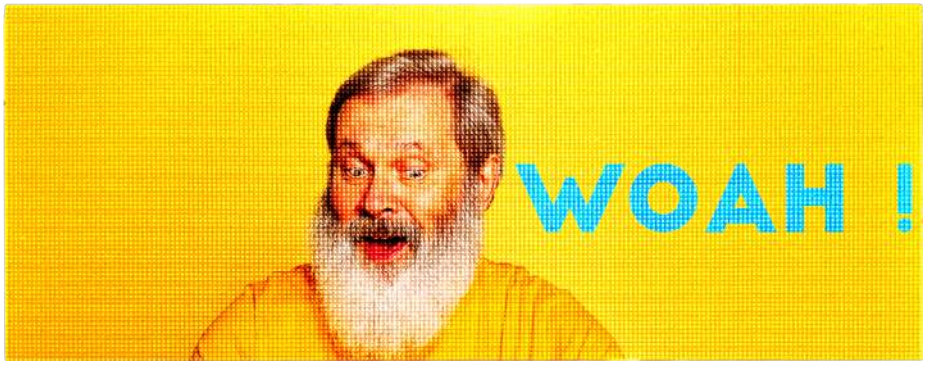
OVERVIEW

The HYDROGEN FASCIA is derived from our HYDROGEN range, dedicated to ribbon LED applications for sports venues. It is a reliable, simple, and highly customizable product, that allows you to display your sponsors' visual content to be seen by your whole audience.



APPLICATION
Outdoor

BRIGHTNESS
≤ 6500 NITS (LED TYPE SMD)

INGRESS PROTECTION
IP65

WEIGHT
38 kg/sqm

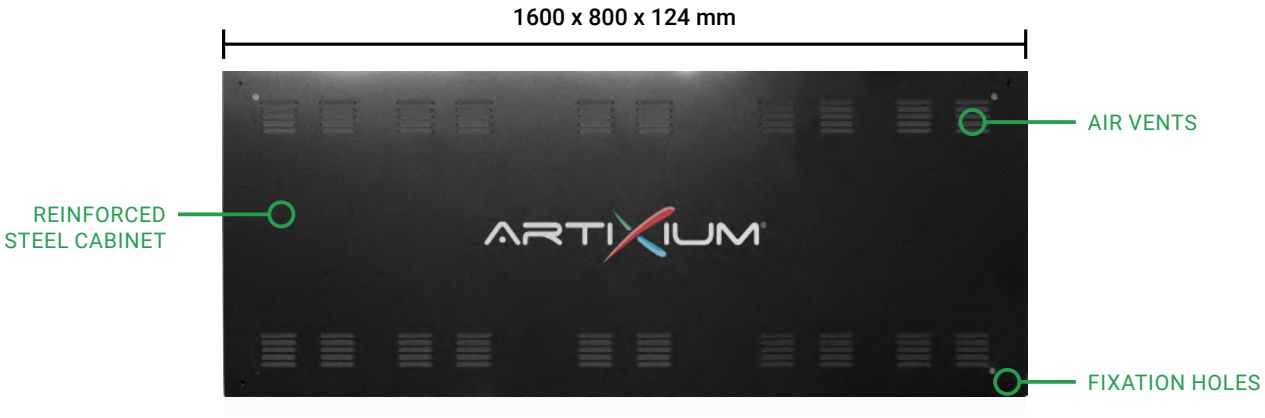
PIXEL PITCH
P6.6

MATERIAL
Steel with reinforcements

DISPLAY AREA (W x H)
1600 x 800 mm

MAINTENANCE
Front & back maintenance

FEATURES



ROBUST LED CABINET

The HYDROGEN FASCIA was designed to withstand extreme climatic conditions. It is waterproof, can function in temperatures from -20°C to 60°C, and its mask protects the LEDs from any sort of physical damage. This product will stay true to its original condition for a long time and will keep on functioning normally no matter what.

HIGH BRIGHTNESS SMD 3535 LEDS

REINFORCED STEEL CABINETS

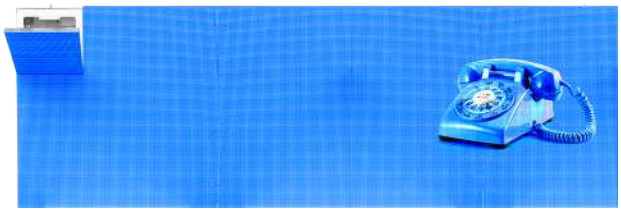
INTEGRATED AIR VENTS

FRONT MAINTENANCE

This type of LED ribbon is more often than not integrated directly into the stadium bleachers. That is why your application needs to be maintainable from the front. The HYDROGEN FASCIA's modules can easily be removed from the front with a special tool, giving you total access to the power box, motherboard, and other internal components.

CUSTOMIZABLE SIZE

We can provide tailored HYDROGEN FASCIA cabinets, considering for instance the size of your bleachers. You can therefore be assured that your LED ribbon will perfectly fit your stadium.



VISUAL PROPERTIES

With a brightness going up to 6500 NITS, a high contrast ratio, and a 6.67mm pixel pitch, you make sure that your sponsors' visual content is visible, day or night, from anywhere in your stadium.

TECHNICAL SPECIFICATIONS

		OUTDOOR
Product Parameters	**Unit**	**6.6**
Pixel Pitch	mm	6,67
LED		SMD3535 3in1
Application		Outdoor fascia
Ingress Protection	IP	IP65
Brightness	cd/sqm	≤ 6500 Nits @5volts
Color Temperature after calib (adjustable)	deg. K	6500
Viewing Angle (50% brightness)	deg.	140(+/-70) H / 140 V
Cabinet Size (WxHxD)	mm	1600 x 800 x 124
Display area (WxH)	mm	1600 x 800
Module Size (WxHxD)	mm	320 x 160 x 25
Pixel Matrix Per Cabinet (WxH)	px	240 x 120
Pixel Matrix Per Module (WxH)	px	48 x 24
Pixel Density	px/sqm	22500
Weight	kg/sqm	38
Cabinet Material		Steel cabinet with reinforcement
Maintenance Mode		Front
Mask specification		95% Plastic + 5% Fiber / SS Screws / Shaders
Contrast Ratio		High
Grey scale (linear)	bit	15
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	200
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		-20°C / +60°C
Screen Uniformity Correction		Yes
Certification		EMC CLASS B / CE / ETL / CCC
Available options		Neutrik outdoor connectors / Aluminum cabinet / Size can be customized
Compatibility		No

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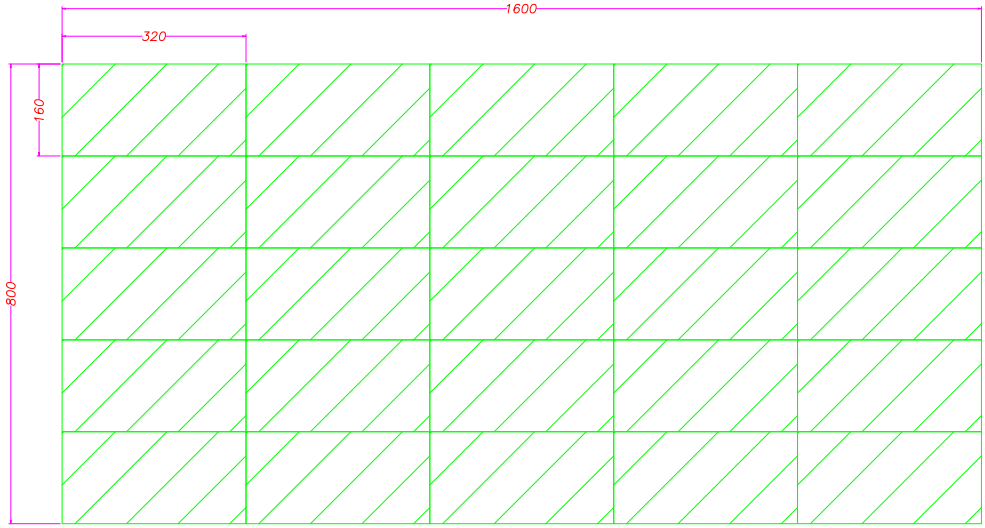
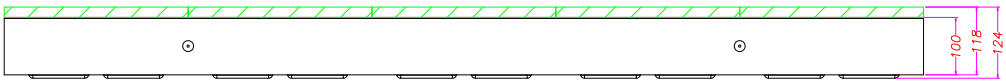
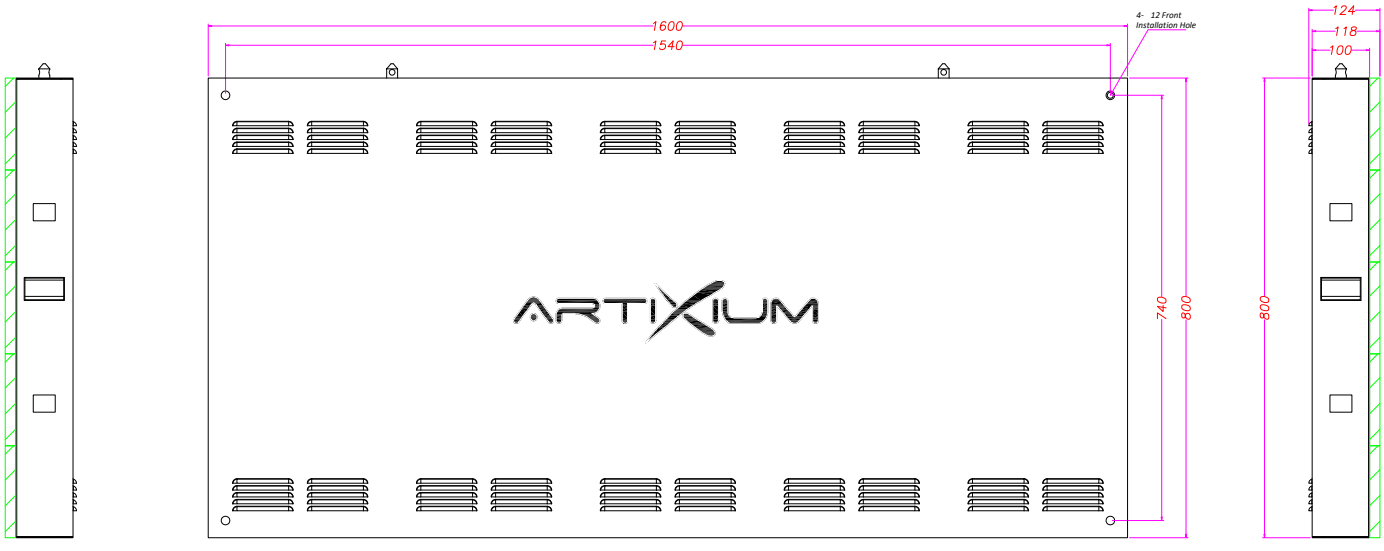
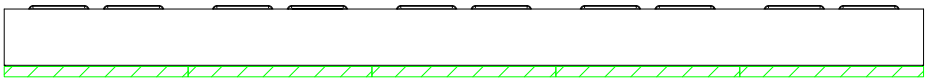
TECHNICAL DRAWINGS









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, making 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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