



# NEON HD

TRANSPARENT LED CABINET - SYMMETRIC PITCH





## OVERVIEW

The NEON HD has been added to our range of transparent LED cabinets to allow our customers to access a product with symmetrical pixel pitch. This feature enables your screen to achieve better resolution than with other products in the NEON range, while maintaining up to 50% transparency. Additionally, the symmetrical pixel pitch allows your visual content to benefit from a more uniform rendering, similar to what traditional LED cabinets offer.



APPLICATION  
**Indoor**



BRIGHTNESS  
**≤ 5000 NITS (SMD LED)**



INGRESS PROTECTION  
**IP20**



WEIGHT  
**± 11.5 kg/m<sup>2</sup>**



PIXEL PITCH  
**P2.6 P2.9 P3.4 P3.9**



MATERIAL  
**Aluminum**



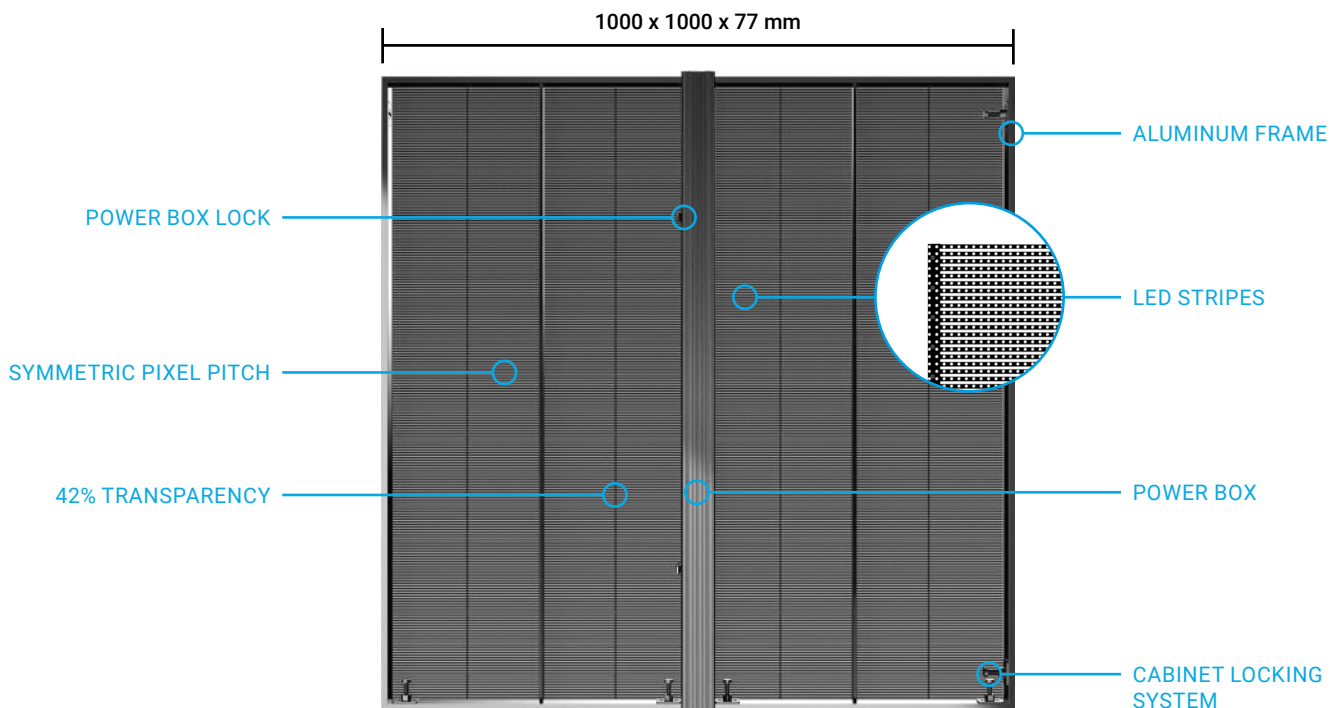
DISPLAY AREA (w x h)  
**500 x 1000 mm (P2.6)  
1000 x 1000 mm**



MAINTENANCE  
**Front & back maintenance**



## CARACTÉRISTIQUES



## SEMI-OUTDOOR APPLICATIONS

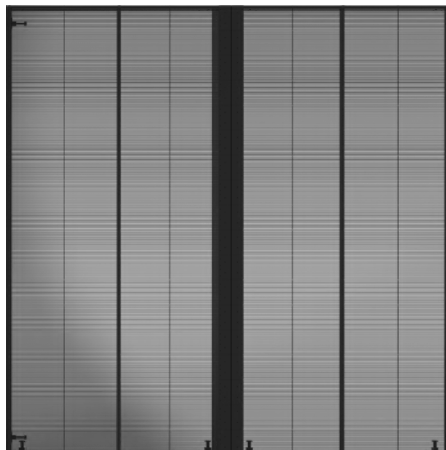
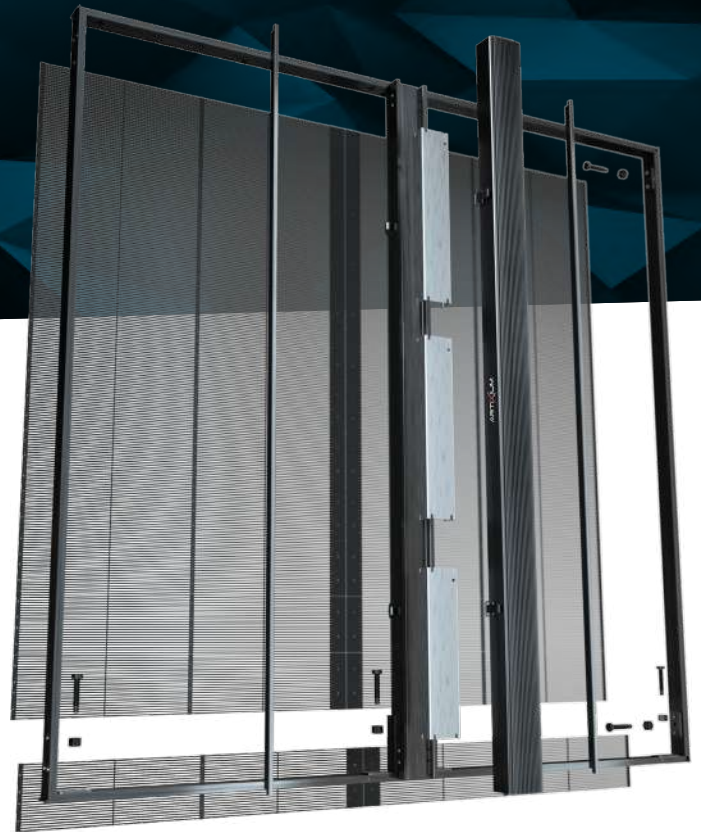
With its brightness reaching up to 5000 NITS, the NEON HD can easily be used to display visual content outdoors through a window. Coupled with its resolution, this feature makes the NEON HD ideal for commercial applications and architectural ornamentation.



## FRONT MODULE MAINTENANCE & BACK POWER BOX MAINTENANCE

### MAINTENANCE

The modules of the NEON HD can be easily removed from the front of your application using a simple screwdriver. Access to the power supply, on the other hand, is quick and tool-free, from the rear of your installation. In the event that your LED screen is placed very close to a window, we recommend removing the faulty cabinet from the rear using the cabinet locking systems before repairing the affected modules.



### SYMMETRIC PIXEL PITCH

The pixel pitch of the NEON HD places it in the same range as products like the GRANITE or the QWARTZ 2.0 in terms of resolution. It offers the same image uniformity as the CALCITE 2.0 but with better resolution and fewer restrictions regarding the dimensions of your transparent LED giant screen, due to its traditional cabinet design.



## TECHNICAL SPECIFICATIONS

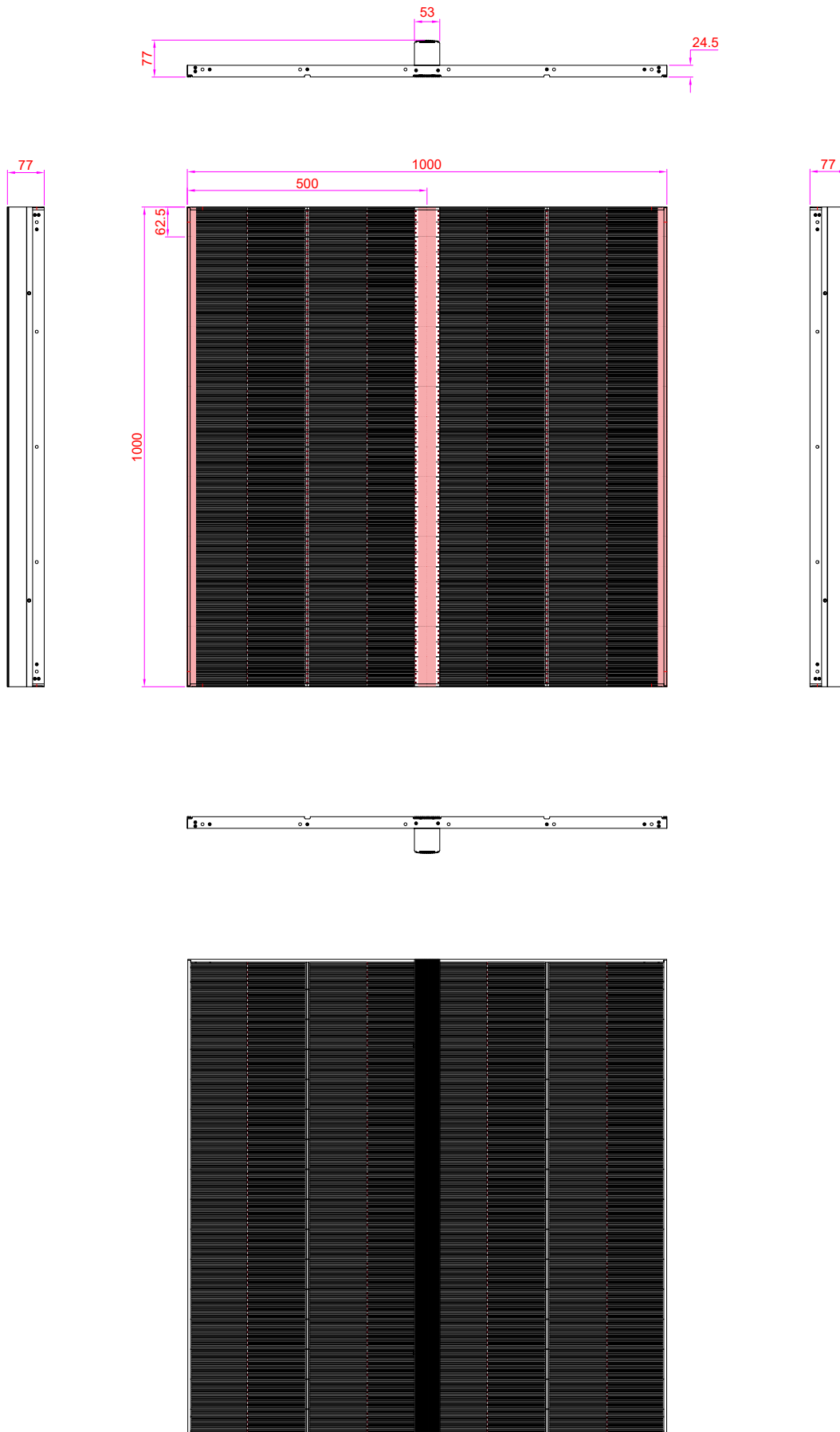
Product Parameters	Unit	INDOOR			
		2.6	2.9	3.4	3.9
Pixel Pitch	mm	2,60	2,98	3,47	3,91
LED		SMD1415			
Application		HD transparent LED cabinet			
Ingress Protection	IP	IP20			
Brightness	cd/m <sup>2</sup>	≤ 5000 Nits @5volts			
Color Temperature after calib (adjustable)	deg. K	10000			
Viewing Angle (50% brightness)	deg.	140H / 140 V			
Cabinet Size (WxHxD)	mm	500 x 1000 x 77	1000 x 1000 x 77		
Display area (WxH)	mm	500 x 1000	1000 x 1000		
Module Size (WxHxD)	mm	500 x 62.5			
Pixel Matrix Per Cabinet (WxH)	px	192 x 384	336 x 336	288 x 288	256 x 256
Pixel Matrix Per Module (WxH)	px	192 x 24	168 x 21	144 x 18	128 x 16
Pixel Density	px/m <sup>2</sup>	147456	112896	82944	65536
Weight	kg/m <sup>2</sup>	12.5	12	11	10
Cabinet Material		Aluminum			
Maintenance Mode		Front & 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		2800	3840
Operation Power	V	AC100-240V			
Max. Power Consumption	W/m <sup>2</sup>	800			
Average Power Consumption	W/m <sup>2</sup>	240			
Control Mode		Synchronization			
Video Frame Rate	FPS	30-60			
Input Types Supported		Universal			
3D ready (optional)		Yes			
Calibration		Yes			
Lifetime (50% brightness)	h	50000			
Operating Humidity Range		10-90%			
Operating Temperature Range		-10°C / +45°C			
Screen Uniformity Correction		Yes			
Certification		CE / ETL / CCC			
Available options		-			
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."*



112 Avenue Franklin Roosevelt  
69120 Vaulx-en-Velin  
France



Artixium Operational Center  
518000 Shenzhen  
China




Weissensteinstrasse 90b,  
46149 Oberhausen  
Germany



Merkez Mah. Baglar Cad. A  
Blok Apt. No: 14D/13 Kagithane, Istanbul  
Turkey




 [www.artixium.com](http://www.artixium.com)

 0 428 001 801

 [linkedin.com/company/artixium](https://www.linkedin.com/company/artixium)

 [twitter.com/artixium](https://twitter.com/artixium)

 [contact@artixium.com](mailto:contact@artixium.com)

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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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