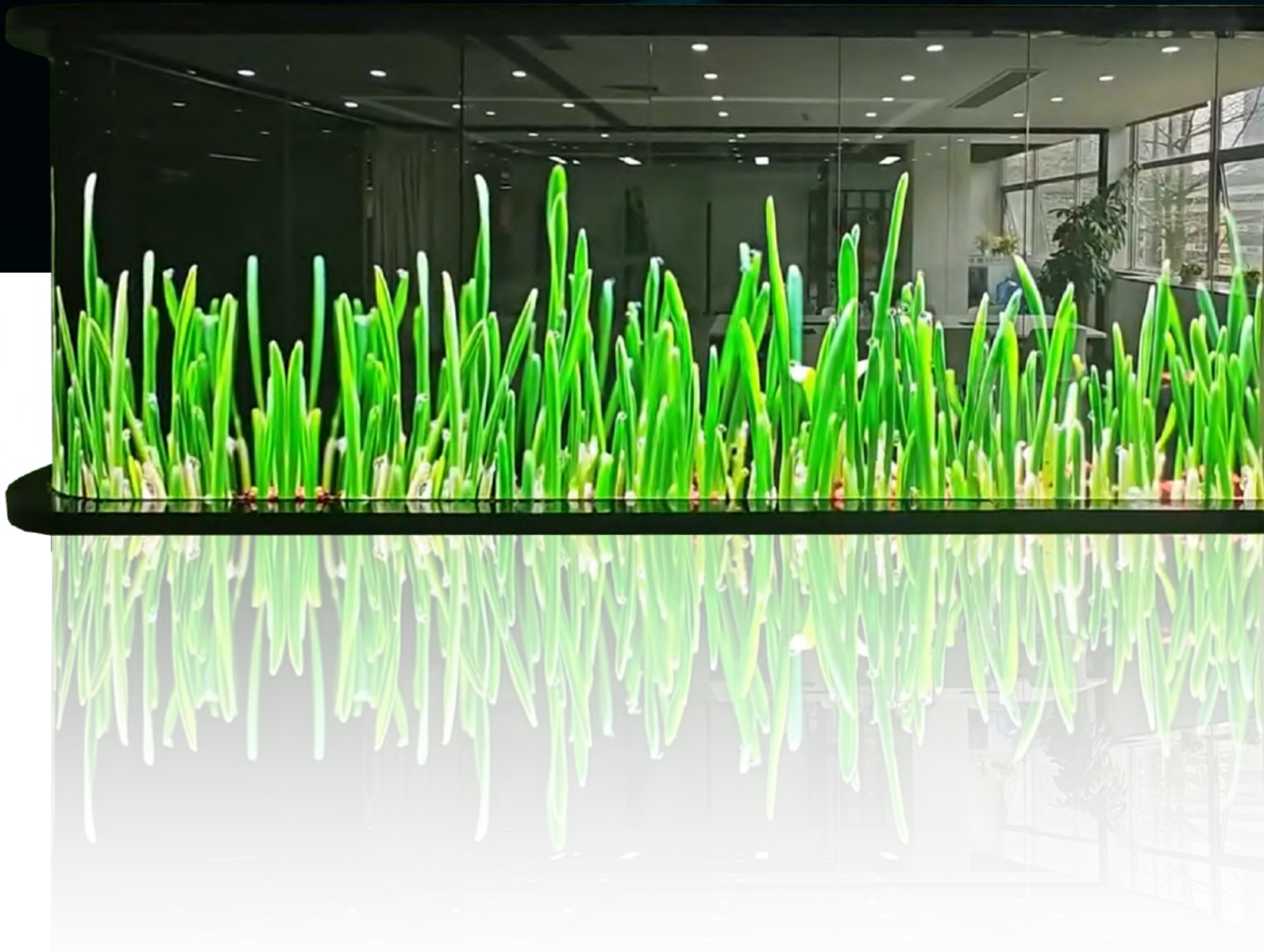




# CALCITE 2.0

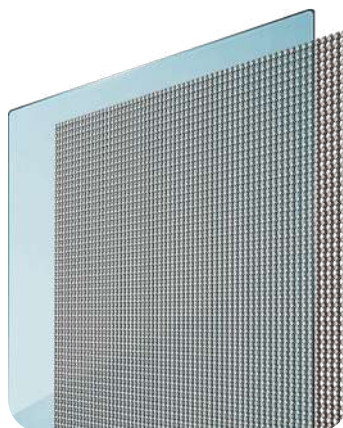
TRANSPARENT LED FILM





## OVERVIEW

The CALCITE 2.0 is the nec plus ultra of transparent LED screens. This innovative product offers a resolution and transparency rate that is unparalleled in the industry. This is made possible by the patented encapsulation of the SMD LEDs with their drivers, allowing more space between each LED.



**APPLICATION**  
**Indoor**



**BRIGHTNESS**  
**≤ 4000 NITS (LED TYPE SMD)**



**INGRESS PROTECTION**  
**IP20**



**WEIGHT**  
**6 - 5 kg/m²**



**PIXEL PITCH**  
**P3.9 P6.2**



**MATERIAL**  
**Aeronautic grade aluminum**



**DISPLAY AREA**  
**1200 x 250 mm (P3.9)**  
**1500 x 250 mm (P6.2)**

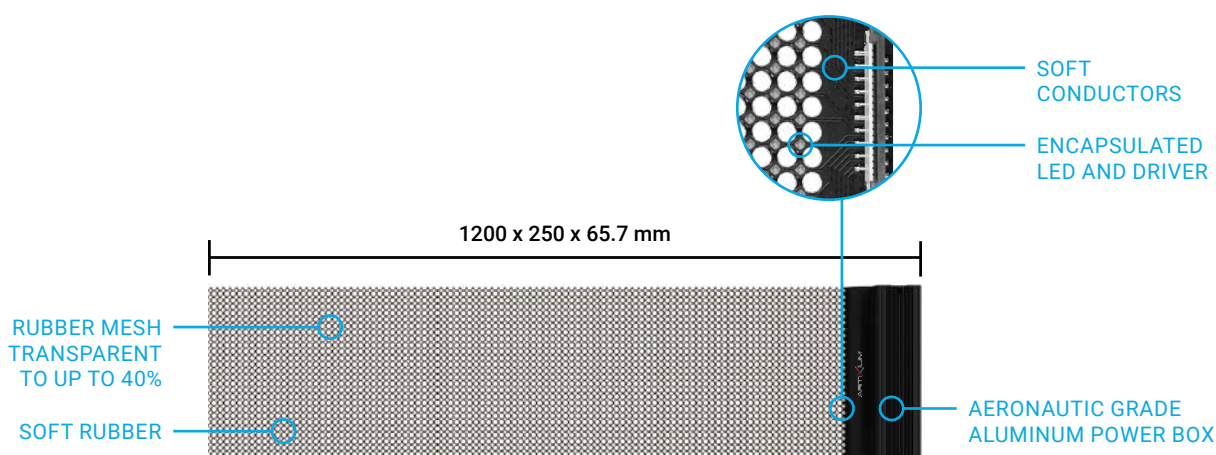
(L x H)



**MAINTENANCE**  
**Front & back maintenance**



## FEATURES

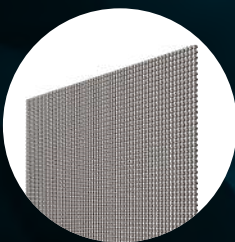




## HOLOGRAPHIC RENDER

The transparency and fine pitch of the CALCITE 2.0 offer an unprecedented render for your LED display. The effect obtained when displaying 3D renders is

closer to a hologram than to a traditional video, with an astonishing perceived depth and excellent definition.



FRONT OR BACK  
MAINTENANCE



HOLOGRAPHIC RENDER



FINE PITCH FOR  
HIGHER RESOLUTION

## HIGH TRANSPARENCY

The CALCITE 2.0 is the only transparent LED screen capable of attaining a 80% transparency rate.



## PATENTED ENCAPSULATION

Each LED driver is encapsulated with it SMD LED. This process guarantees the highest transparency rate attained by a transparent LED screen to this date. This encapsulation allows to drastically diminish the space occupied by the electronic elements, offering a better visibility through your LED display.

## FITS EVERY GLASS SURFACE

With its flexible rubber weaving and high transparency rate, the CALCITE 2.0 can fit any given glass surface, whether straight or curved. This LED film can be glued to the front or the back of the glass surface according to your project's requirements.







## INDOOR & SEMI-INDOOR APPLICATIONS

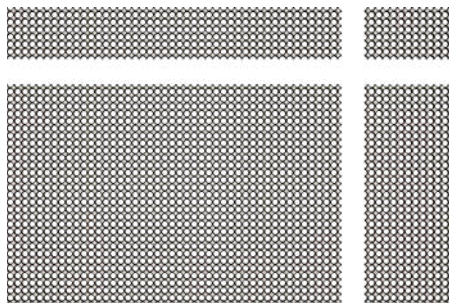
Even though the CALCITE 2.0's IP doesn't allow direct outdoor use, its brightness allows you to display visual content visible from the outside of your

premises. This makes it ideal to enhance showcases and other glass surfaces toward the outside.



## CREATE LIVING INDOOR SPACES

With its holographic render and high transparency, the CALCITE 2.0 is the ideal product to sublimate offices, museums, conference rooms, hotels, etc. Its great adaptability allows it to fit many projects, from the most traditional to the most ambitious ones.



## CUSTOMIZABLE DIMENSIONS

the CALCITE 2.0's mesh can be cut horizontally and vertically to perfectly fit the surface you want to put it on. Furthermore, this product allows to create seamless transparent displays up to 3 meters tall.

## ADVANCED LED TECHNOLOGY

Even though it doesn't have a mask, the CALCITE 2.0 has a high contrast ratio thanks to its encapsulated black face LEDs. This feature guarantees good visibility and great definition for your visual content, even on a transparent surface.



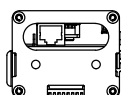
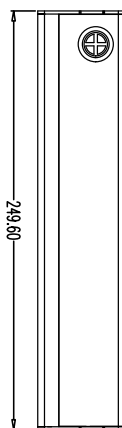
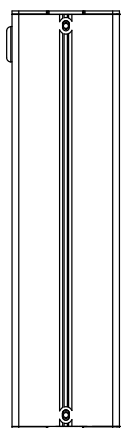
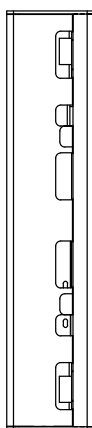
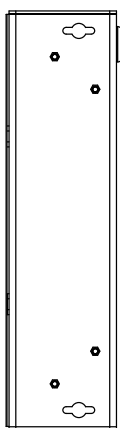
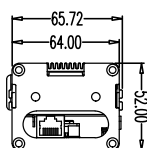
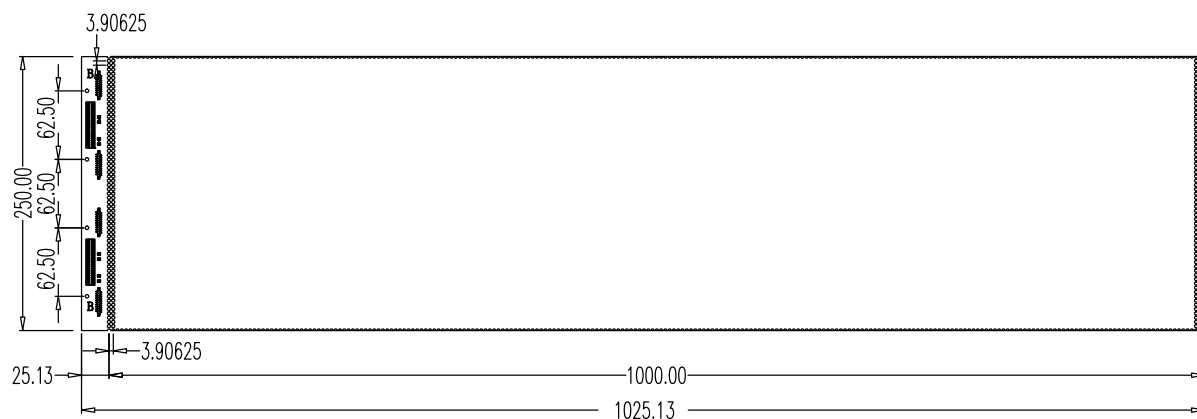
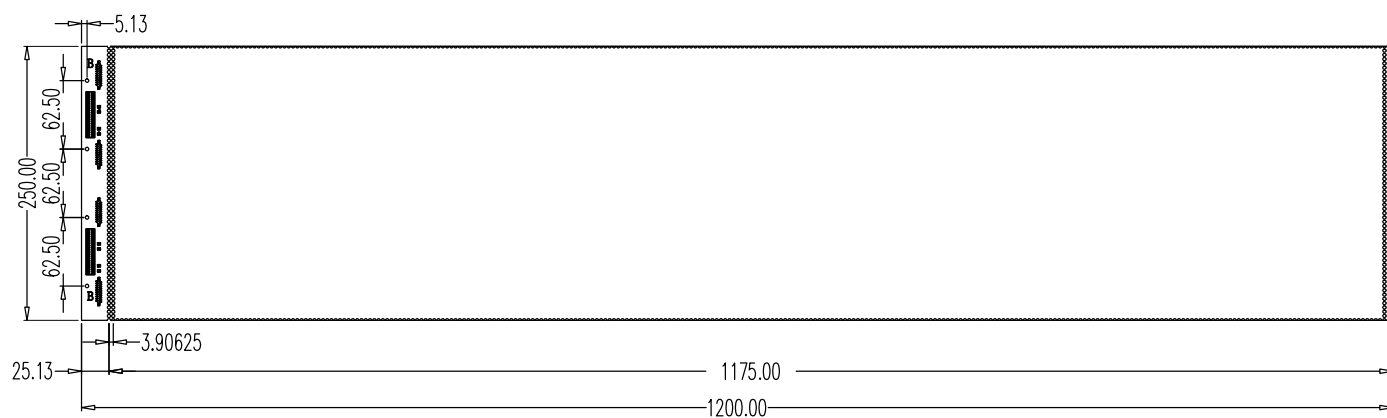


## TECHNICAL SPECIFICATIONS

		INDOOR	
Product Parameters	Unit	3.9	6.2
Pixel Pitch	mm	3,91	6,25
LED		Custom SMD encapsulated with driver	
Application		Holographic transparent LED film	
Ingress Protection	IP	IP20	
Brightness	cd/m <sup>2</sup>	≤ 4000 Nits @5volts	≤ 5000 Nits @5volts
Color Temperature after calib (adjustable)	deg. K	6500	
Viewing Angle (50% brightness)	deg.	160H / 160 V	
Cabinet Size (WxHxD)	mm	1200 x 250 x 65.7	1500 x 250 x 65.7
Display area (WxH)	mm	1200 x 250	1200 x 250
Module Size (WxHxD)	mm	1200 x 250 x 1.8	1200 x 250 x 1.8
Pixel Matrix Per Cabinet (WxH)	px	307 x 64	240 x 40
Pixel Matrix Per Module (WxH)	px	307 x 64	240 x 40
Pixel Density	px/m <sup>2</sup>	65536	25600
Weight of cabinet	kg	6	5
Cabinet Material		Aeronautic grade aluminum	
Maintenance Mode		Back & Front	
Mask specification		Rubber + encapsulated PCB	
Contrast Ratio		High	
Grey scale (linear)	bit	14	
Brightness control	bit	16	
Processing depth	bit	16	
Color		281 Trillions	
Display Refresh Rate	Hz	3840	
Operation Power	V	AC100-240V	
Max. Power Consumption	W/m <sup>2</sup>	1200	
Average Power Consumption	W/m <sup>2</sup>	500	
Control Mode		Synchronization	
Video Frame Rate	Hz	50/60Hz	
Input Types Supported		DVI / SDI / HDMI / S-video / VGA	
3D ready (optional)		Yes	
Calibration		Yes	
Lifetime (50% brightness)	h	50000	
Operating Humidity Range		20 / 85	
Operating Temperature Range		0 / 50	
Screen Uniformity Correction		Yes	
Certification		CE / ETL / CCC	
Available options		-	
Compatibility		No	



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