CALCITE 2.0

TRANSPARENT LED FILM

ARTIXIUM

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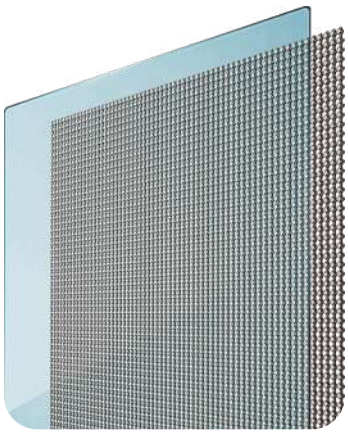
CALCITE 2.0

TRANSPARENT HOLOGRAPHIC LED FILM
FRONT & BACK MAINTENANCE

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
7 - 6 - 5 kg/m²

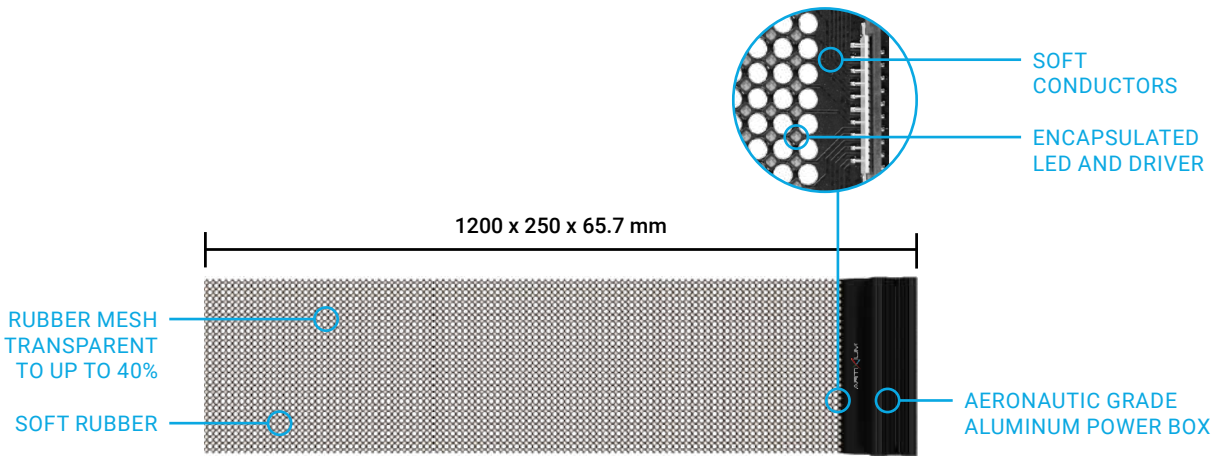
PIXEL PITCH
P2.5 P3.9 P6.2

MATERIAL
Aeronautic grade aluminum

DISPLAY AREA (W x H)
1200 x 125 mm (P2.5)
1200 x 250 mm (P3.9)
1500 x 250 mm (P6.2)

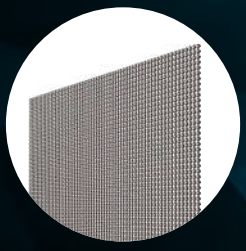
MAINTENANCE
Front & back maintenance

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

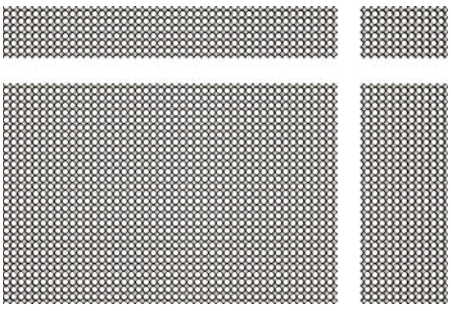
With its flexible rubber weaving and high transparency rate, the CALCITE 2.0 can fit any given glass surface, whether straight or curved. This LED film can be glued to the front or the back of the glass surface according to your project's requirements.

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**	**2.5**	**3.9**	**6.2**
Pixel Pitch	mm	2,50	3,91	6,25
LED		Custom SMD2121 4in1 (RGB + driver)		
Application		Holographic transparent LED film		
Ingress Protection	IP	IP20		
Brightness	cd/m²	≤ 3000 Nits @5volts	≤ 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 125 x 65.7	1200 x 250 x 65.7	1500 x 250 x 65.7
Display area (WxH)	mm	1200 x 125	1200 x 250	1500 x 250
Module Size (WxHxD)	mm	1200 x 125 x 1.8	1200 x 250 x 1.8	1500 x 250 x 1.8
Pixel Matrix Per Cabinet (WxH)	px	480 x 50	307 x 64	240 x 40
Pixel Matrix Per Module (WxH)	px	480 x 50	307 x 64	240 x 40
Pixel Density	px/m²	160000	65536	25600
Weight of cabinet	kg	7	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/m²	1200		
Average Power Consumption	W/m²	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		

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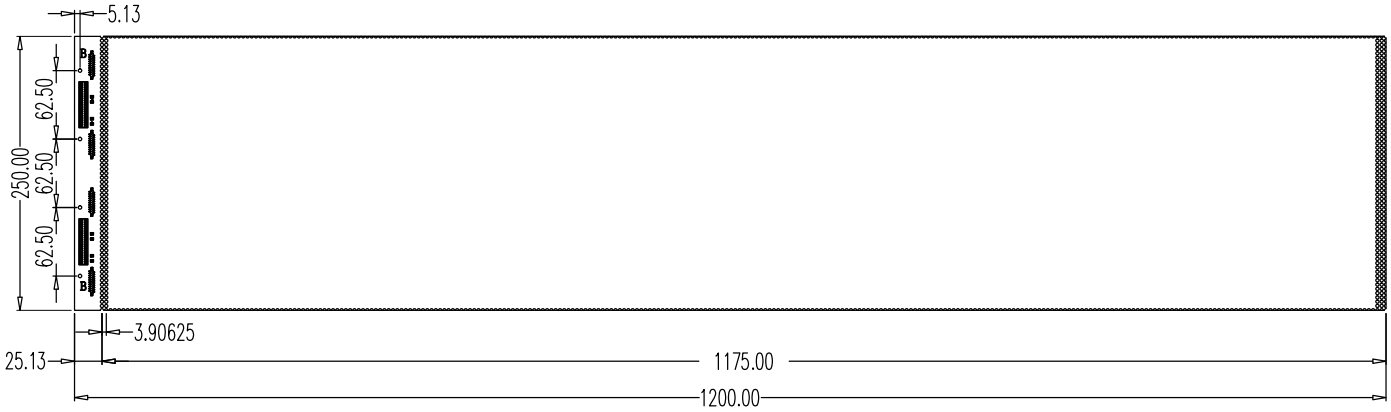
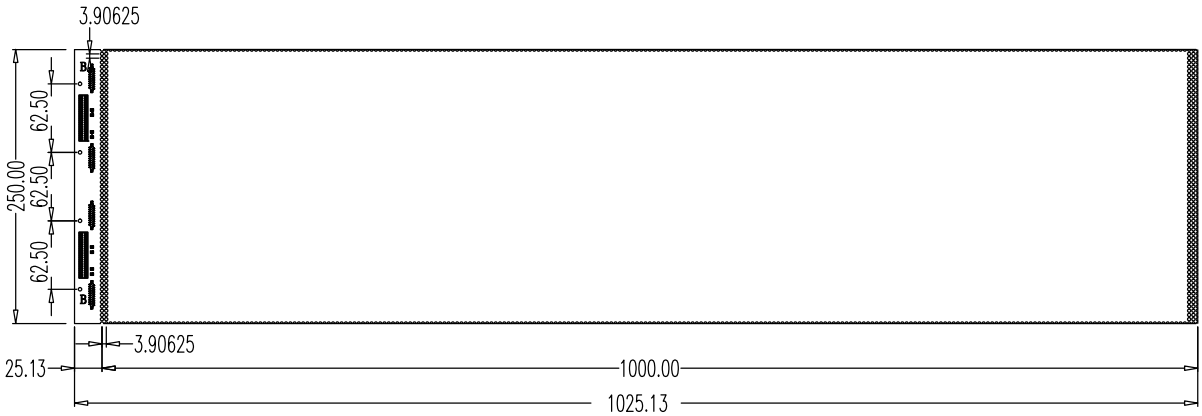
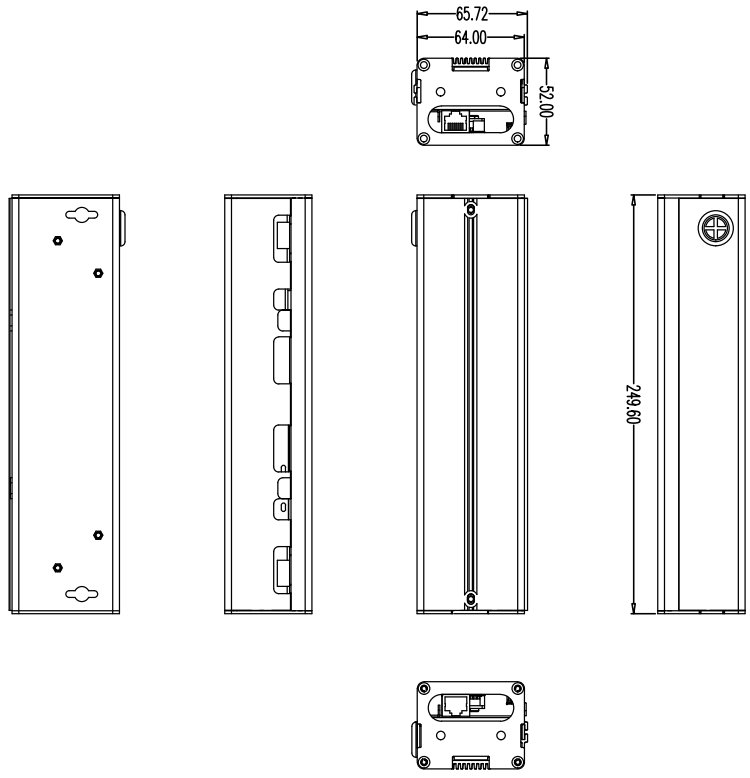
TECHNICAL DRAWINGS







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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