



# SILICIUM

OUTDOOR LED CABINET - FINE PITCH





## OVERVIEW

The SILICIUM is the latest addition to our Front Access LED cabinet range. Dedicated to outdoor applications, this high-quality product offers a fine pixel pitch as well as a high resistance to harsh weather conditions. Its bright display makes this LED cabinet ideal for advertisement purposes, as it offers clear visibility in all weather conditions, both day and night.



APPLICATION  
**Outdoor**



BRIGHTNESS  
**≤ 5300 NITS (LED TYPE SMD)**



INGRESS PROTECTION  
**IP65**



WEIGHT  
**34 - 36 kg/sqm**



PIXEL PITCH  
**P1.9 P2.9**



MATERIAL  
**Die-casting aluminum**



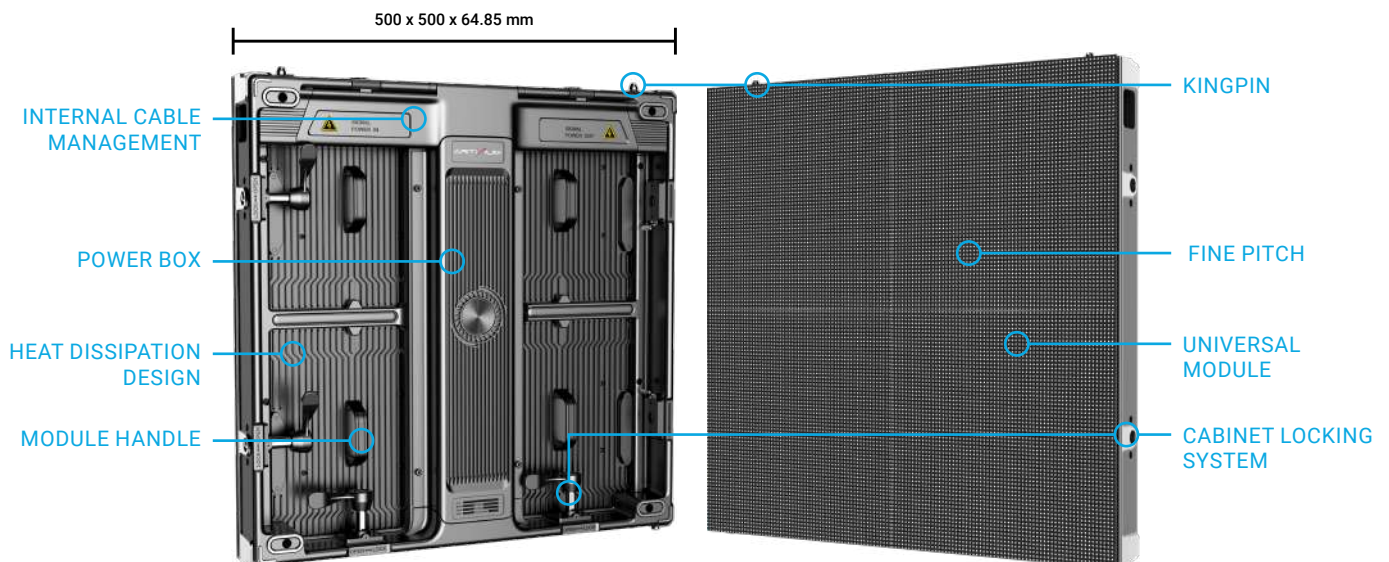
DISPLAY AREA (L x H)  
**500 x 500 mm**



MAINTENANCE  
**Front & back maintenance**



## FEATURES



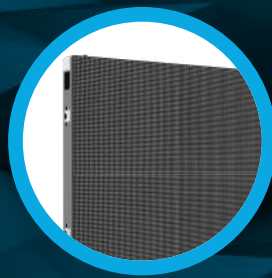


## EASY MAINTENANCE

The SILICIUM cabinets are accessible both from the back and the front. This feature makes this product highly adaptable and guarantees a quick and simple maintenance process. Furthermore, this maintenance can be operated by one technician, allowing you to save money on manpower.



HEAT DISSIPATION



FINE OUTDOOR PITCH



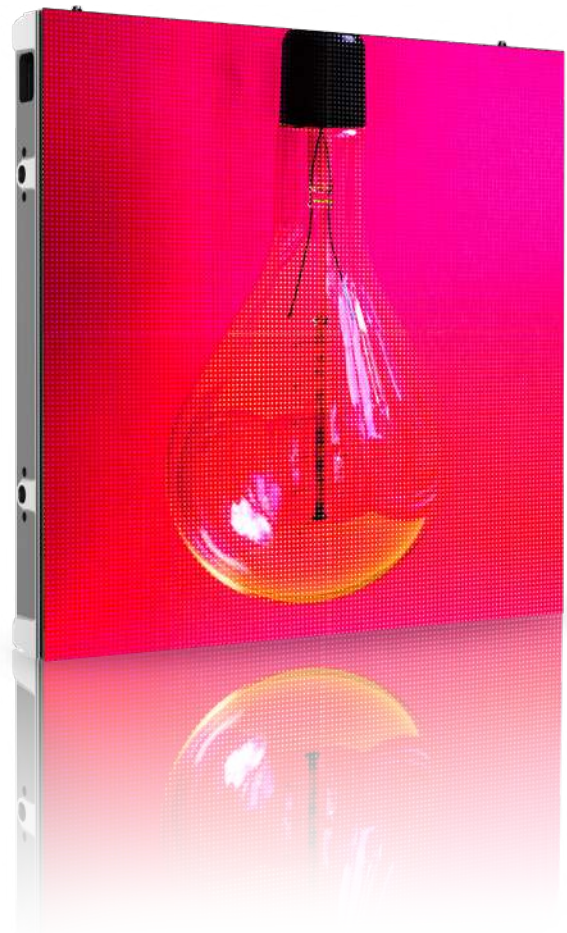
IP65 RATING

## FINE PITCH

The SILICIUM offers a fine pixel pitch of 1.9mm or 2.9mm, which are amongst the finest available on the outdoor LED display market. Only our Ultra HD products have finer pixel pitches. Therefore, for a reasonable price, you can offer your audience high-quality visual content on bright and contrasted giant LED screens.

## IP65 RATING

The ingress protection rating of IP65 guarantees the resistance and durability of your giant LED screen. It indicates a total resilience to particle ingress as well as water projections. Hence, you can rest assured that your screen won't get damaged by weather conditions, as harsh as they might be.





### TECHNICAL SPECIFICATIONS

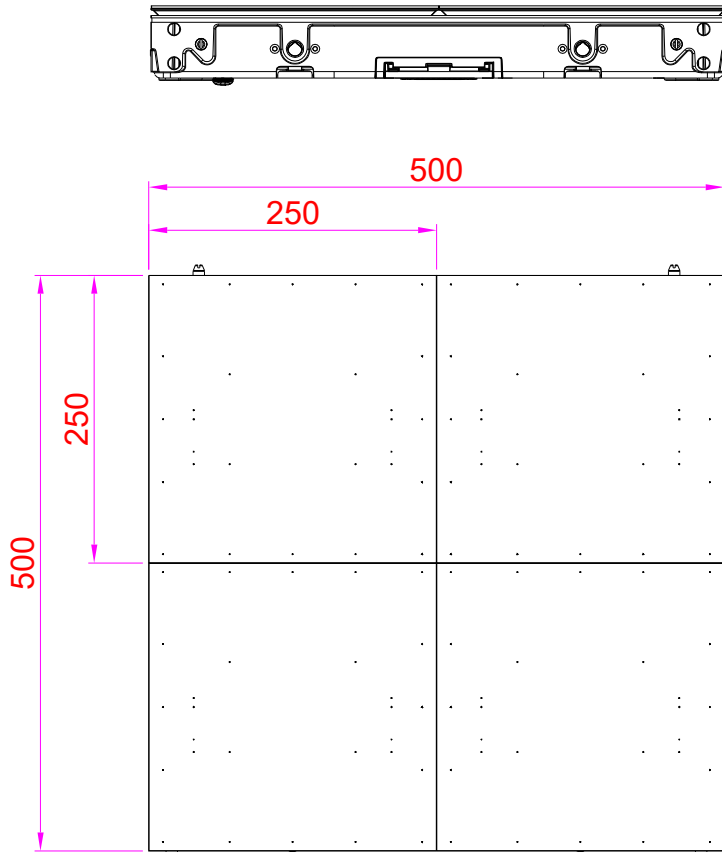
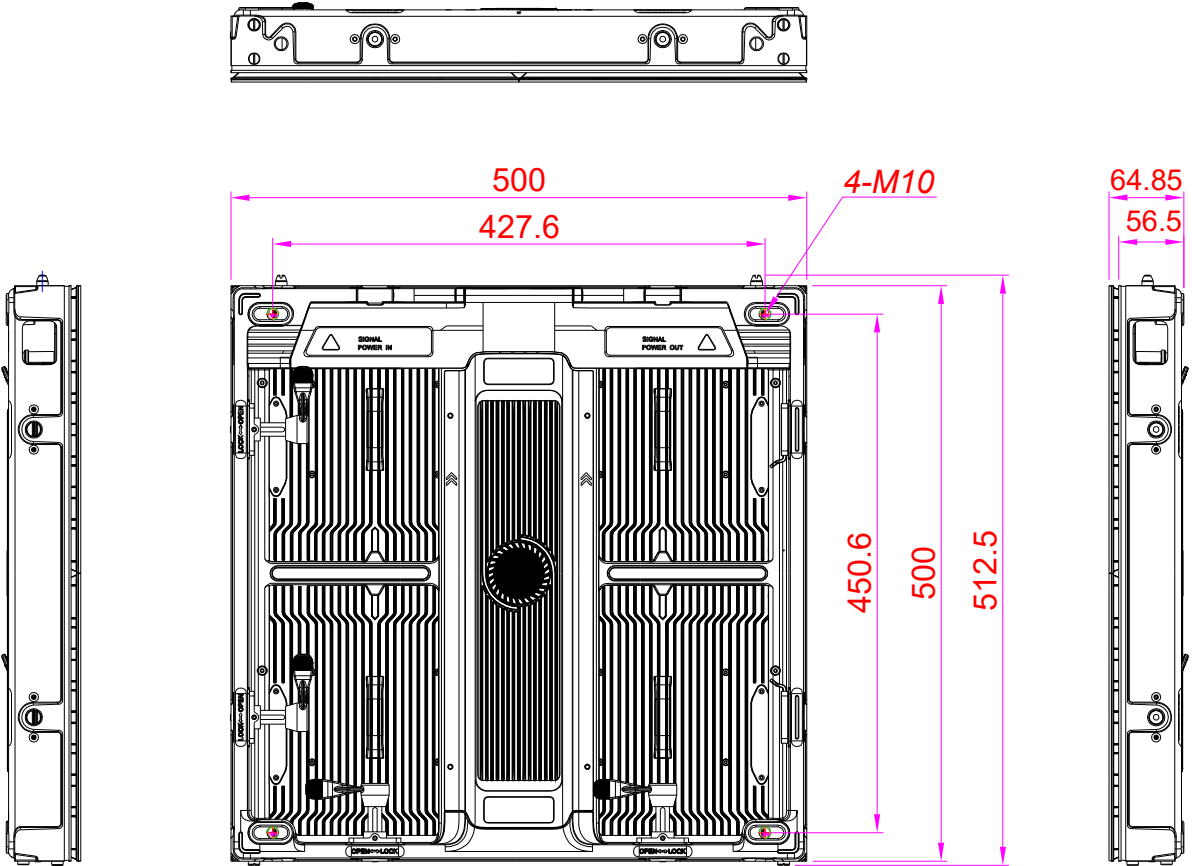
		OUTDOOR	
Product Parameters	Unit	1.9	2.9
Pixel Pitch	mm	1,95	2,98
LED		SMD1212	SMD1515
Application		Fine pitch outdoor LED cabinet	
Ingress Protection	IP	IP65	
Brightness	cd/sqm	≤ 4000 Nits @5volts	≤ 5300 Nits @5volts
Color Temperature after calib (adjustable)	deg. K	6500	
Viewing Angle (50% brightness)	deg.	160H / 160 V	
Cabinet Size (WxHxD)	mm	500 x 512.5 x 64.85	
Display area (WxH)	mm	500 x 500	
Module Size (WxHxD)	mm	250 x 250 x 15	250 x 250 x 21
Pixel Matrix Per Cabinet (WxH)	px	256 x 256	168 x 168
Pixel Matrix Per Module (WxH)	px	128 x 128	84 x 84
Pixel Density	px/sqm	262144	112896
Weight of cabinet	kg	34	36
Cabinet Material		Die-casting aluminum	
Maintenance Mode		Front & back	
Mask specification		95% Plastic + 5% Fiber / SS screws / Shaders	
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/sqm	560	
Average Power Consumption	W/sqm	168	
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	100000	
Operating Humidity Range		10-95%	
Operating Temperature Range		-30°C / +50°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."*



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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)