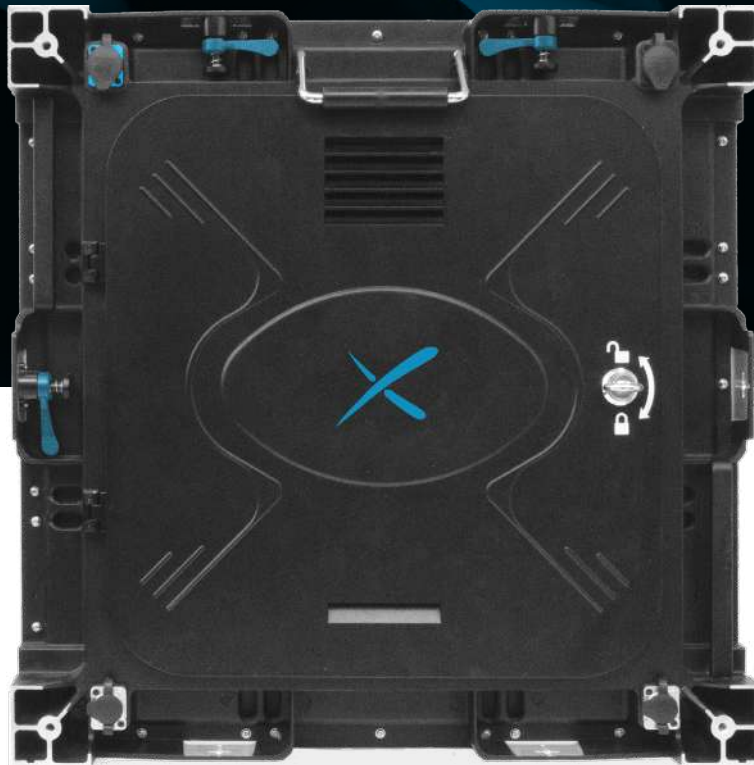




# PHOTON

FIXED INDOOR & OUTDOOR  
COST-EFFECTIVE LED DISPLAY





## OVERVIEW

The PHOTON is our newborn solution for cost-effective fixed LED displays. This product is the perfect balance between straightforward engineering and optimized components. Measuring 576 x 576 x 85 mm and weighing 7 kg, the PHOTON is ideal for fast and easy fixed LED integration projects.



APPLICATION  
**Indoor / Outdoor**



INGRESS PROTECTION  
**IP41 (indoor)  
IP65 (outdoor)**



PIXEL PITCH  
**P3 P4 (indoor)  
P6 (outdoor)**



DISPLAY AREA (W x H)  
**576 x 576 mm**



BRIGHTNESS  
**≤ 2000 NITS (indoor)  
≤ 6000 NITS (outdoor)**



WEIGHT  
**7 kg/cabinet**



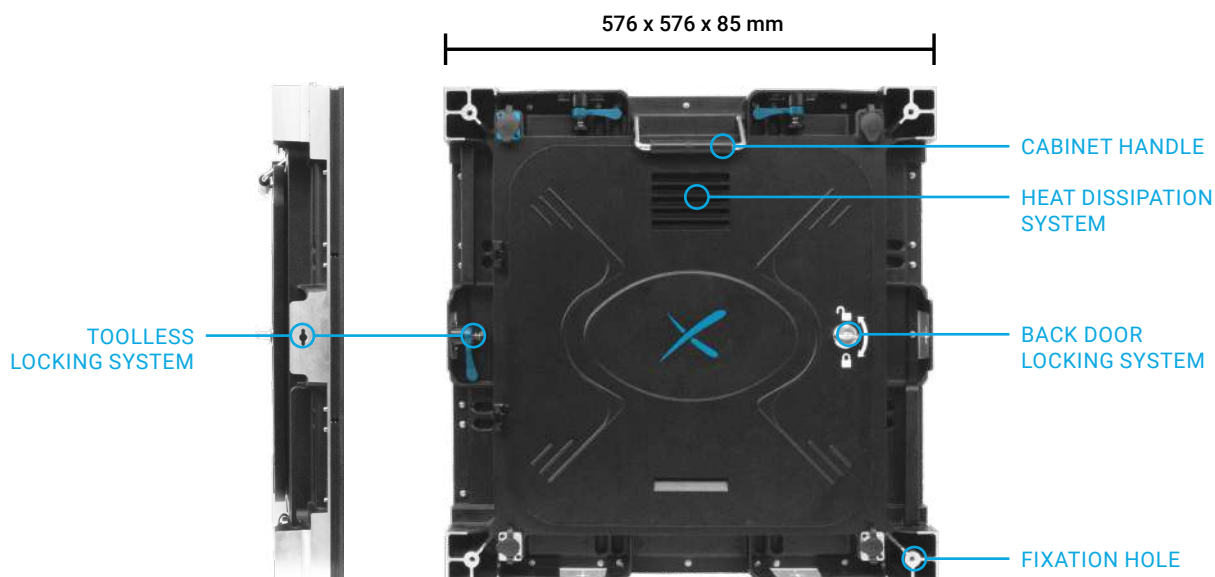
MATERIAL  
**Die-casting aluminum**



MAINTENANCE  
**Back maintenance**



## FEATURES





## SMART MAINTENANCE

The different features of the PHOTON are designed to be user-friendly, with toolless locking systems, transportation handles, easy back access and a 7 kg lightweight per cabinet. These properties make the PHOTON easy and quick to integrate and to maintain.



IP66 CONNECTOR PROTECTIONS



HEAT DISSIPATION SYSTEM



TOOLLESS LOCKING SYSTEM



## RENTAL OR PERMANENT

The PHOTON is first and foremost adapted to fixed LED applications, however, its added value is its suitability for rental installations. This is made possible by its numerous user-friendly features and lightweight which make the PHOTON easy to integrate as well as to disassemble.

## HIGH BRIGHTNESS

Although the PHOTON doesn't come with the finest pixel pitches on the market, it has a high contrast ratio and a high brightness. These features make the PHOTON's display resolution both sharp and visible from afar. Once again, the PHOTON shows a good balance between cost-effectiveness and good performance.



### TECHNICAL SPECIFICATIONS

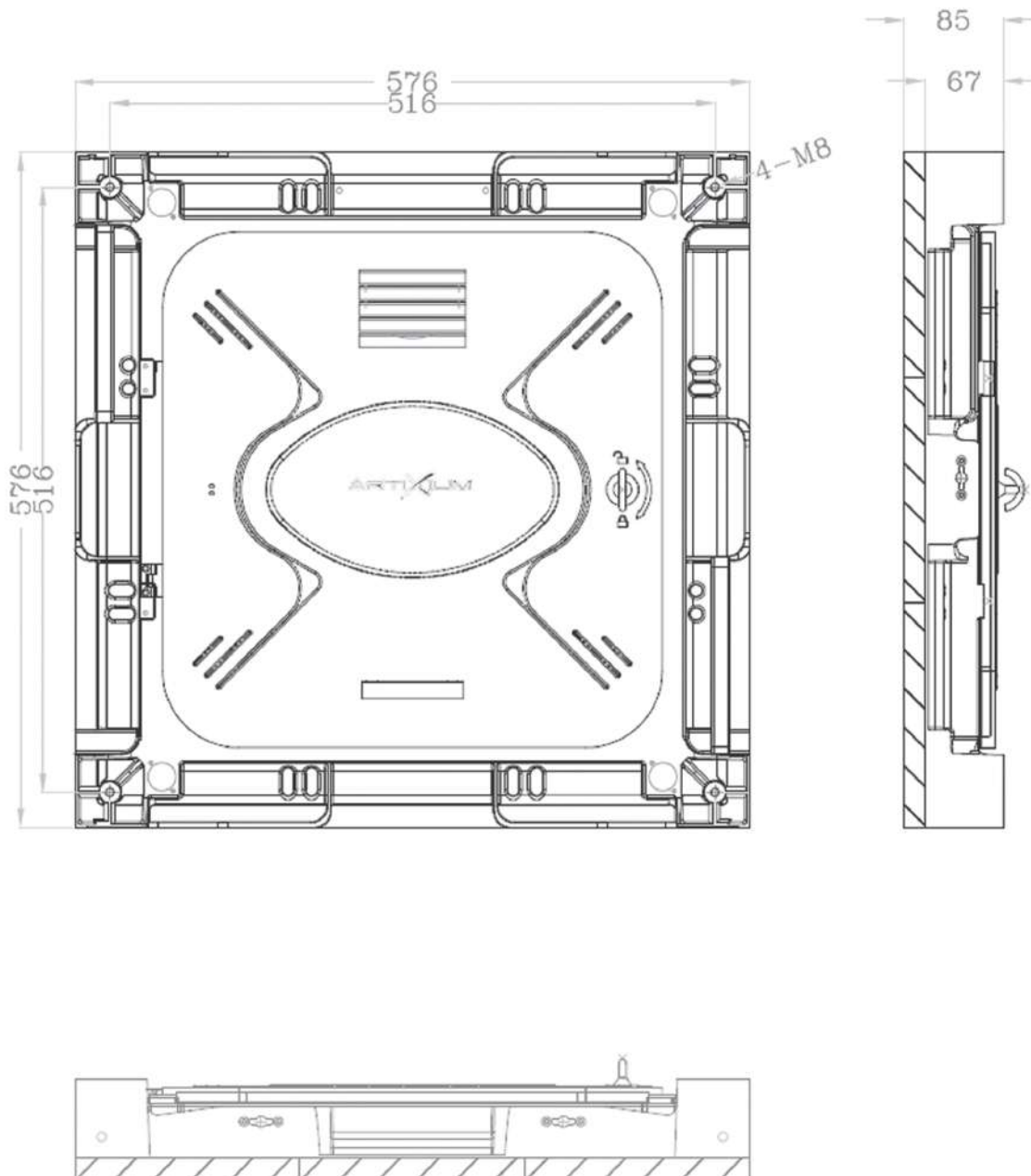
Product Parameters	Unit	INDOOR		OUTDOOR
		3	4	6
Pixel Pitch	mm	3,00	4,00	6,00
LED		SMD2020 3in1 (Black Face)		SMD2727 3in1 (Black Face)
Application		Media		
Ingress Protection	IP	IP41		IP65
Brightness	cd/sqm	≤ 2000 Nits @5volts		≤ 6000 Nits @5volts
Color Temperature after calib (adjustable)	deg. K	6500		
Viewing Angle (50% brightness)	deg.	140(+/-70) H / 140 V		
Cabinet Size (WxHxD)	mm	576 x 576 x 85		
Display area (WxH)	mm	576 x 576		
Module Size (WxHxD)	mm	288 x 288 x 15		
Pixel Matrix Per Cabinet (WxH)	px	192 x 192	144 x 144	96 x 96
Pixel Matrix Per Module (WxH)	px	96 x 96	72 x 72	48 x 48
Pixel Density	px/sqm	111111	62500	27778
Weight of cabinet	kg	7		
Cabinet Material		Die-casting aluminum		
Maintenance Mode		Back		
Mask specification		95% Plastic + 5% Fiber / SS Screws / 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		
Operation Power	V	AC85-230V		
Max. Power Consumption	W/sqm	300		560
Average Power Consumption	W/sqm	120		240
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				
Certification		CE / ETL / CCC		
Available options		Hanging bars		
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-

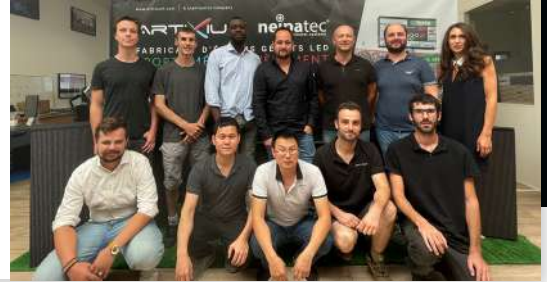
ing their communication smooth and hassle-free with clients from all around the world. Customer care, Innovation and flexibility has always been our values and we intend to keep this reputation for many years to come.

## 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)