OPAL

HIGH RESISTANCE INTERACTIVE LED FLOOR

OPAL

OVERVIEW

The OPAL is an excellent LED interactive floor display, with an extremely short response time, high stability, and a load capacity of over 2000kg/sqm. Its adjustable feet and easy front access maintenance make for quick and flawless integration. The OPAL has up to 16 quick response touch points per module, allowing for a unique interactive experience without any delay.
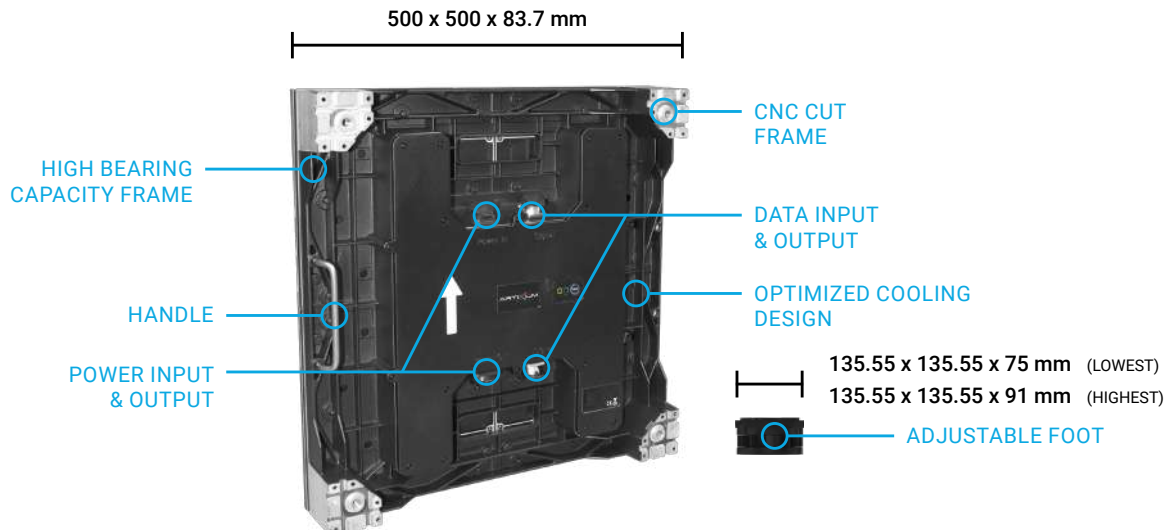
APPLICATION
Indoor

INGRESS PROTECTION
IP65

PIXEL PITCH
P2.6 P2.9 P3.9 P5.2 P6.2

DISPLAY AREA (W x H)
500 x 500 mm

BRIGHTNESS
≤ 3000 NITS @ 5 volts

WEIGHT
15 - 13 kg/cabinet

MATERIAL
Aluminum

MAINTENANCE
Front maintenance

FEATURES

500 x 500 x 83.7 mm

CNC CUT FRAME

HIGH BEARING CAPACITY FRAME

DATA INPUT & OUTPUT

HANDLE

OPTIMIZED COOLING DESIGN

POWER INPUT & OUTPUT

135.55 x 135.55 x 75 mm (LOWEST)
135.55 x 135.55 x 91 mm (HIGHEST)

ADJUSTABLE FOOT

QUICK RESPONSE TIME

Depending on the pixel pitch, the modules can each contain from 4 to 16 touchpoints with a 33ms response time (less than 0.033s). This gives you the ability to create unique interactions between your audience and your LED installation concept. You can also enhance your dynamic and interactive installation by triggering both visuals and sound effects. The OPAL offers endless possibilities for showrooms, museums, shows, and so on.

ADJUSTABLE FEET
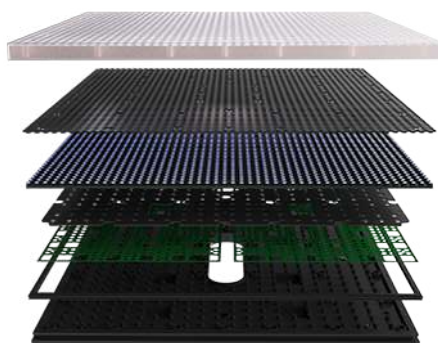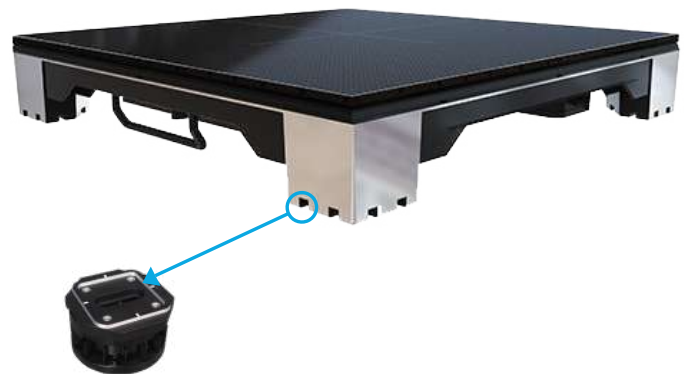
QUICK AND EASY INTEGRATION

HIGH BEARING CAPACITY

FRONT MAINTENANCE

Each module of the OPAL can be removed and replaced from the front thanks to a vacuum tool that allows for a quick intervention, if needed.

ULTRA RESISTANT

The OPAL LED floor application is waterproof and highly resistant to shocks and heavyweight, bearing up to 2t/sqm. It is designed to withstand a tremendous amount of use without taking any damage.

EASY INTEGRATION

The OPAL adjustable feet are designed to allow a quick assembly of the different cabinets. Once one of them is placed on the floor, the feet will serve as guides for the other cabinets to fit perfectly. Combined with the ability to adjust the height, allows for flawless and quick integration.

OPAL

HIGH RESISTANCE INTERACTIVE FLOOR CABINET FRONT MAINTENANCE
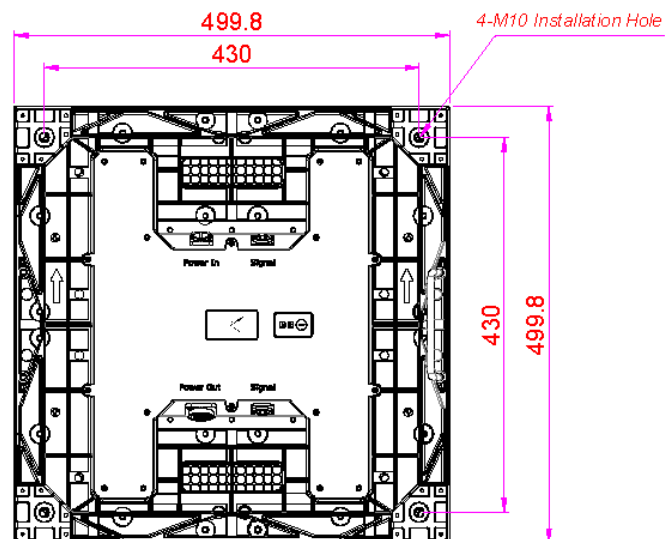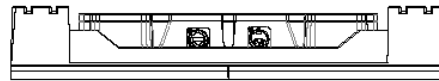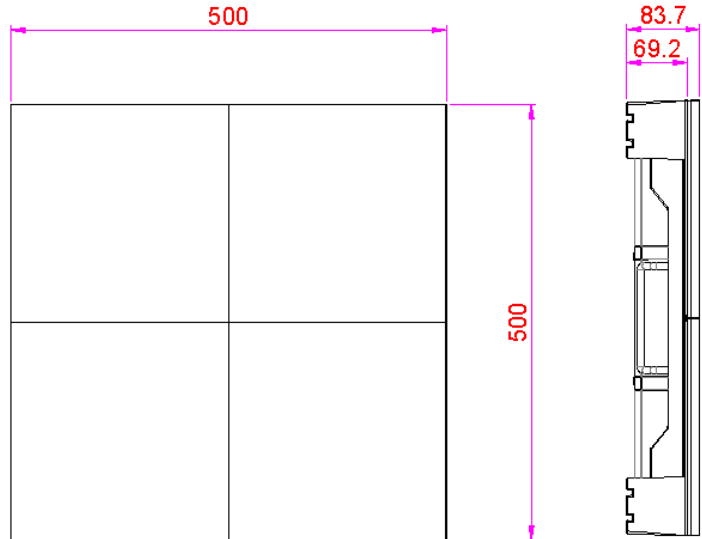
TECHNICAL SPECIFICATIONS

Product Parameters	Unit	INDOOR				
		2.6	2.9	3.9	5.2	6.2
Pixel Pitch	mm	2,60	2,98	3,91	5,21	6,25
LED		SMD1010 (GOB)	SMD1516	SMD1921		
Application		Interactive LED floor				
Ingress Protection	IP	IP65				
Brightness	cd/sqm	≤ 600Nits @5volts	≤ 2600Nits @5volts		≤ 3000Nits @5volts	
Color Temperature after calib (adjustable)	deg. K	5500 - 9500 Adjustable				
Viewing Angle (50% brightness)	deg.	120 L / 120 H				
Cabinet Size (WxHxD)	mm	500 x 500 x 83.7				
Display area (WxH)	mm	500 x 500				
Module Size (WxHxD)	mm	250 x 250 x 14.5				
Pixel Matrix Per Cabinet (WxH)	px	192 x 192	168 x 168	128 x 128	96 x 96	80 x 80
Pixel Matrix Per Module (WxH)	px	96 x 96	84 x 84	64 x 64	48 x 48	40 x 40
Pixel Density	px/sqm	147456	112896	65536	36864	25600
Weight of cabinet	kg	15	13			
Cabinet Material		Aluminum				
Maintenance Mode		Front				
Mask specification		Rubber / No shaders				
Contrast Ratio		Élevé				
Grey scale (linear)	bit	14				
Brightness control	bit	16				
Processing depth	bit	16				
Color		281 Trillions				
Display Refresh Rate	Hz	1920				
Operation Power	V	100V-240V AC				
Max. Power Consumption	W/sqm	600	800			
Average Power Consumption	W/sqm	200	240			
Control Mode		Synchronization				
Video Frame Rate	Hz	50/60Hz				
Input Types Supported		DVI/SDI/HDMI				
3D ready (optional)		Non				
Calibration		Yes				
Lifetime (50% brightness)	h	100000				
Operating Humidity Range		10% - 90%				
Operating Temperature Range		-30°C / +40°C				
Screen Uniformity Correction		-				
Certification		FCC / CE / ETL / CCC / CB				
Available options		Interactivity				
Compatibility		No				

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TECHNICAL DRAWINGS

500

500

83.7

69.2

499.8

430

4-M10 Installation Hole

430

499.8

Power In   Signal

Power Out   Signal

TECHNICAL DRAWINGS

TECHNICAL DRAWINGS

Lowest — 75

Highest — 91

FIXTURE

67 / 75

67

Ø137.5

**Adjustable feet,
Lowest Height 75mm**

FIXTURE

83 / 91

83

Ø137.5

**Adjustable feet,
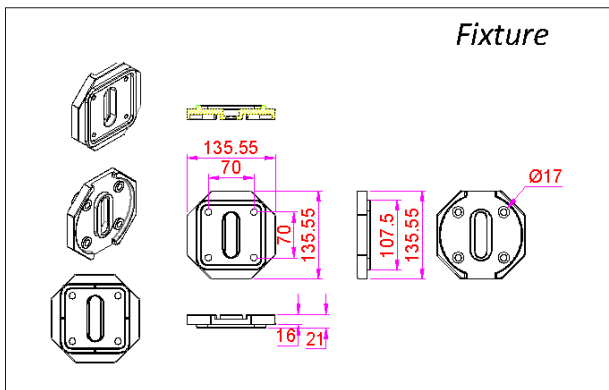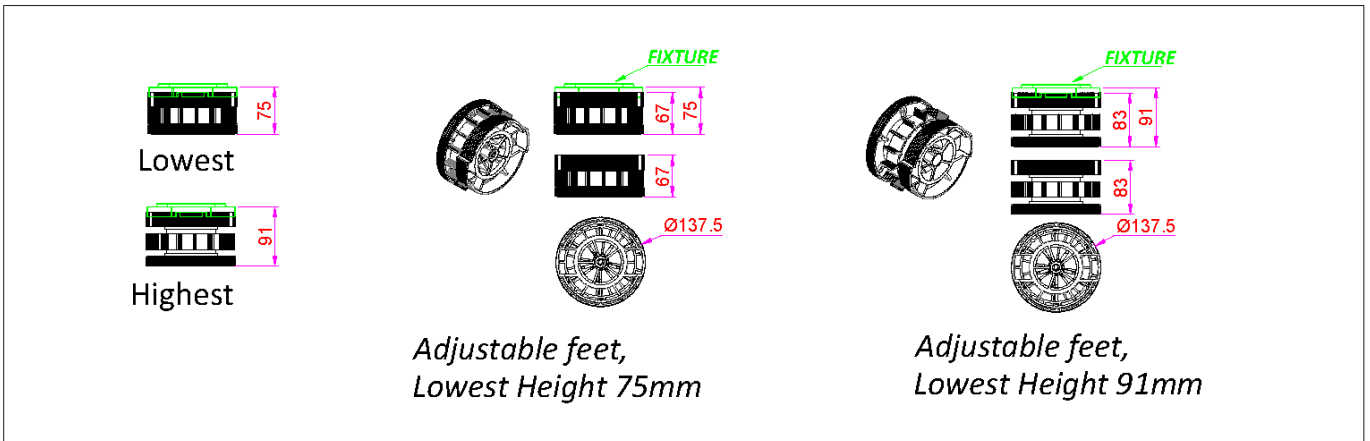Lowest Height 91mm**

Fixture

135.55
70
70 / 135.55
Ø17
107.5 / 135.55
16 21
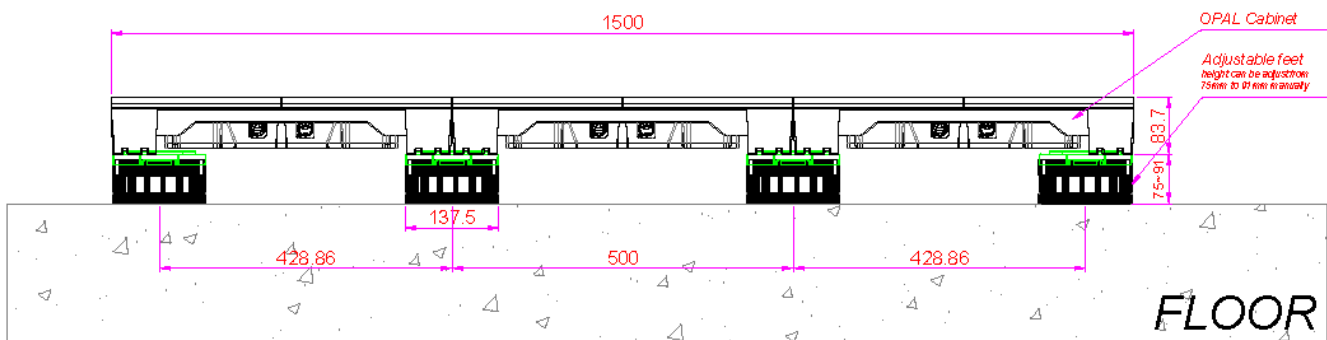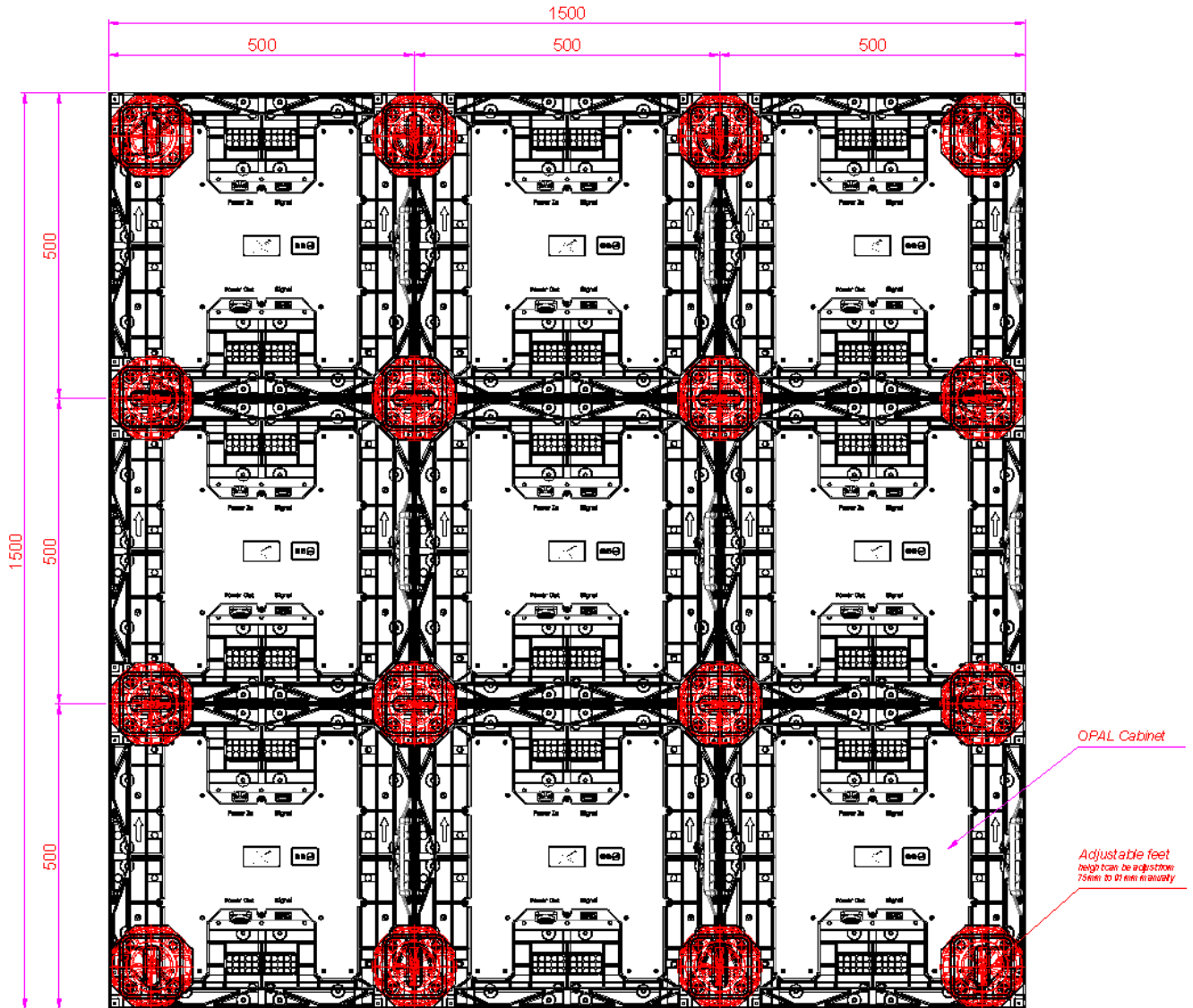
CONTACT

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."

ARTIXIUM
FRANCE

112 Avenue Franklin Roosevelt
69120 Vaulx-en-Velin
France

ARTIXIUM
CHINA

Artixium Operational Center
518000 Shenzhen
China

ARTIXIUM
GERMANY

Weissensteinstrasse 90b,
46149 Oberhausen
Germany

ARTIXIUM
TURKEY

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

www.artixium.com

0 428 001 801

linkedin.com/company/artixium

twitter.com/artixium

contact@artixium.com

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ARTIXIUM®

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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