



TOPAZ

INDOOR RENTAL LED CABINET





OVERVIEW

The Topaz is a high-performance LED cabinet designed for environments that demand exceptional image precision and uncompromising reliability. Powered by next-generation MiniLED 4-in-1 technology, it delivers uniform visual rendering, enhanced impact resistance, and simplified maintenance. Highly versatile, the Topaz is perfectly suited for studios, broadcast sets, trade shows, and premium live events.



APPLICATION
Indoor



BRIGHTNESS
≤ 1500 NITS



INGRESS PROTECTION
IP20



WEIGHT
7.8 kg/cabinet



PIXEL PITCH
P1.5 P1.9 P2.6



MATERIAL
Die-casting aluminum & magnesium



DISPLAY AREA
500 x 500 mm

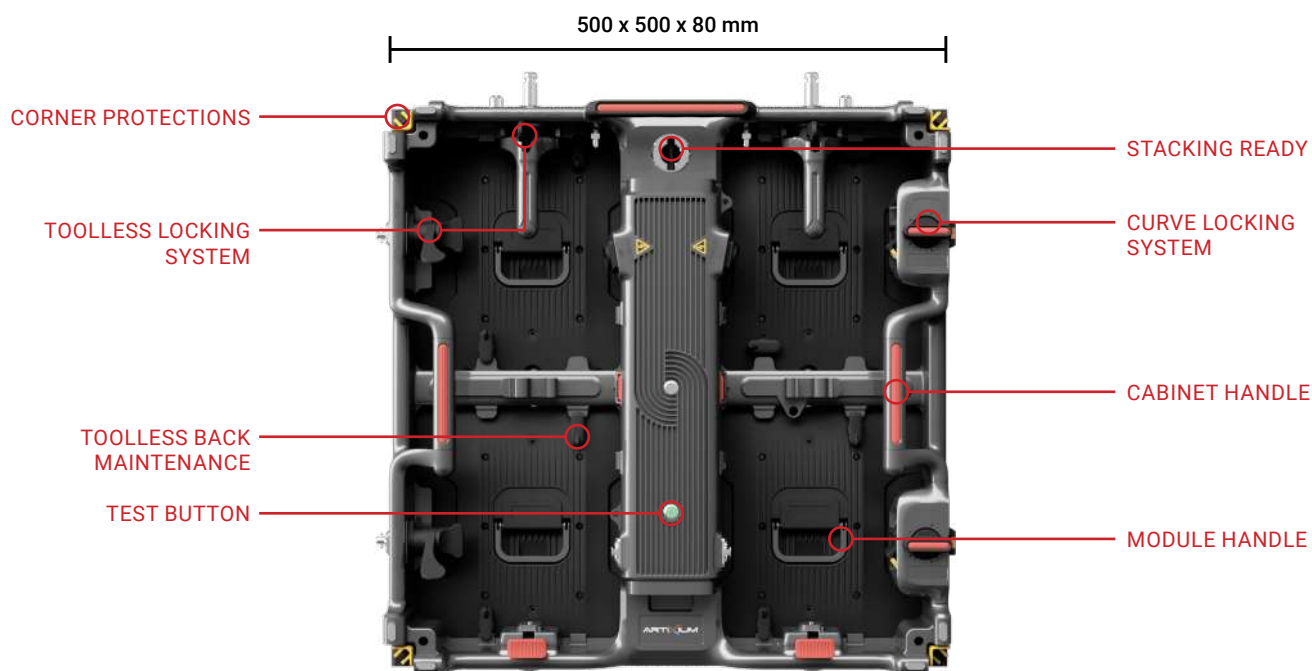
(W x H)



MAINTENANCE
Back maintenance



FEATURES



DISPLAY QUALITY

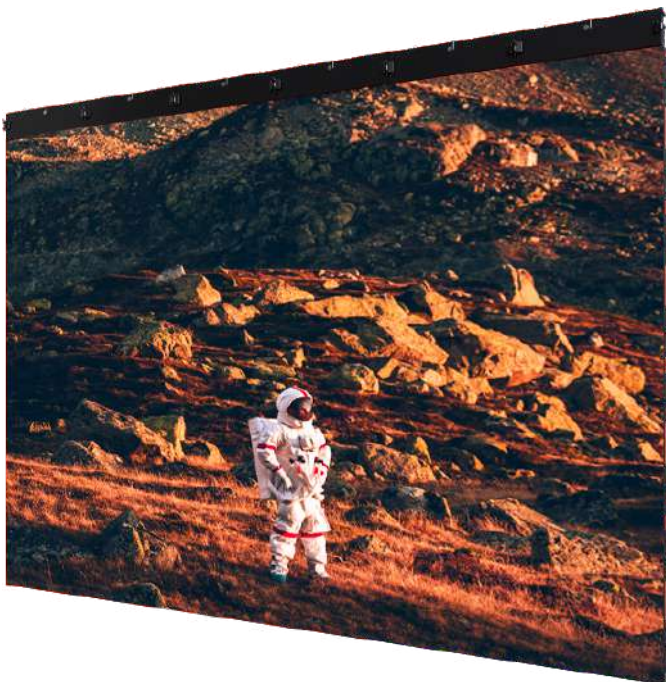
The Topaz P1.5 embodies Artixium's expertise in high-resolution LED technology. With a pixel pitch of only 1.56 mm, it delivers exceptional pixel density, making it ideal for environments where every detail matters — such as studios, broadcast sets, corporate spaces, or luxury installations.

This fine pixel pitch ensures smooth and precise imagery, even at close viewing distances, with no visible pixel grid and

no loss of sharpness.

Thanks to its MiniLED 4-in-1 technology, the Topaz P1.5 combines deep contrast, uniform brightness, and mechanical robustness, guaranteeing consistent visual quality across the entire display surface.

This level of precision makes the Topaz P1.5 a benchmark solution for projects demanding immersive and highly realistic rendering.



PERFORMANCE AND SMOOTHNESS

Thanks to its high refresh rate and extended grayscale depth, the Topaz delivers smooth and seamless visuals, making it ideal for camera capture and the display of ultra-high-quality content. The electronic and mechanical design of its die-cast magnesium power block ensures optimal heat dissipation, effectively reducing energy consumption and extending the system's overall lifespan.

CROSS-COMPATIBLE RANGE

Designed in continuity with our event range, the Topaz offers lateral cross-compatibility with the Helium 2.0, Boron 2.0, and Beryl corner cabinet series.

All cabinets share the same quick-locking system, connector interface, and harmonized mechanical dimensions, allowing seamless integration within mixed configurations.

This compatibility ensures aesthetic and technical consistency across large-scale projects while simplifying logistics, maintenance, and inventory management. As a result, the Topaz stands as a natural complement to the solutions already deployed in the field.





MAINTENANCE

The Topaz features a toolless rear-maintenance design, engineered to maximize reliability and ease of service.

Each module, power supply unit, and receiving card is fully accessible from the back of the cabinet, eliminating the need to disassemble the entire structure.

This approach ensures quick and secure intervention while preserving the front surface integrity, which is more exposed to mechanical and visual stress.

Its modular chassis design also allows the independent replacement of key components, minimizing downtime and simplifying on-site maintenance, even in complex configurations.



CURVE LOCKING SYSTEM



**COMPATIBLE WITH OUR RIGGING
ACCESSORIES**



TOOLLESS LOCKING SYSTEM

INCURVATION

The Topaz stands out for its curving capability, offering exceptional flexibility in the design of immersive and dynamic LED displays.

Each cabinet can be curved either convexly or concavely, enabling the creation of cylindrical, arched, or wrap-around structures with no visible seams. This adaptability opens the door to creative installations, whether for panoramic LED walls, stage designs, or architectural display surfaces.

The mechanical precision of its assembly ensures a smooth curvature and perfect continuity between modules, with no image distortion.





4IN1 MINILED

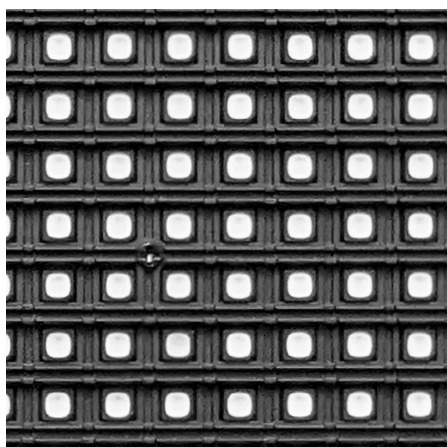
At the heart of the Topaz lies MiniLED 4-in-1 technology, a major innovation that pushes the limits of image quality and durability.

Unlike traditional SMD LEDs, MiniLED 4-in-1 clusters four diodes within a single encapsulation, significantly reducing the pixel gap and enhancing visual continuity. This process delivers a more uniform image, free from moiré and artifacts, while achieving superior contrast, especially in brightly lit environments or under stage lighting.

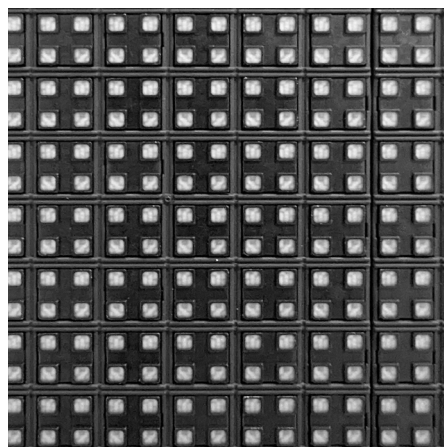
Thanks to the smaller chip size and optimized heat dissipation, the Topaz ensures enhanced color stability even during extended operation.

The 4-in-1 design also improves mechanical robustness, minimizing the risk of LED damage during handling and allowing simplified maintenance.

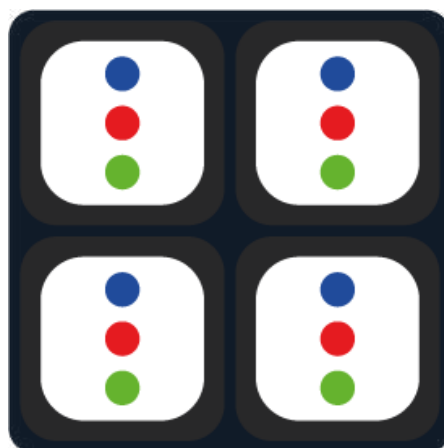
The result is a more reliable, thinner, and visually coherent LED display, engineered to meet the demands of the most immersive professional applications.



SMD LED



4IN1 MINILED





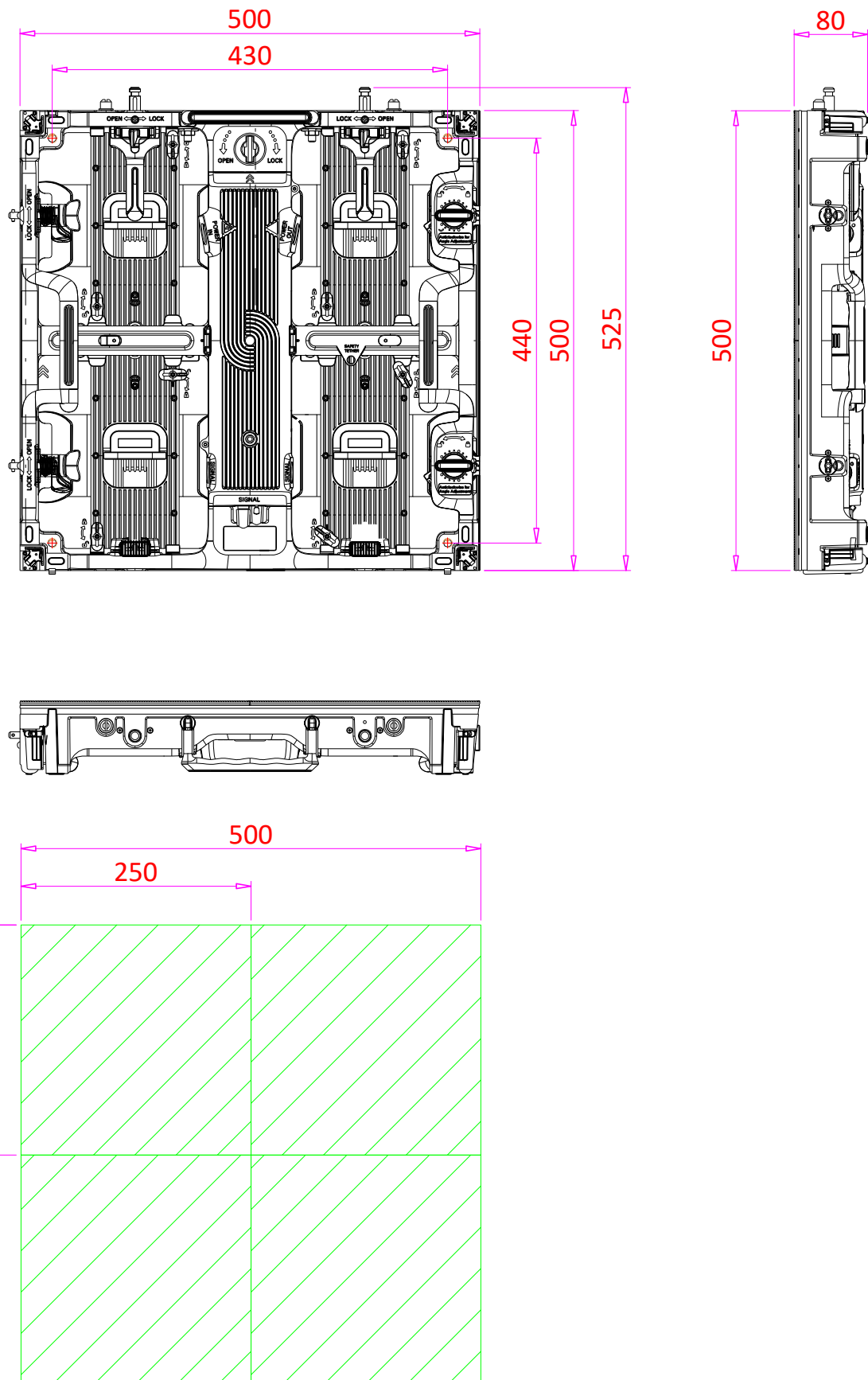
TECHNICAL SPECIFICATIONS

		INDOOR		
Désignation	Unité	1.5	1.9	2.6
Pixel Pitch	mm	1,56	1,95	2,60
LED		MiniLED 4in1		
Application		Indoor rental LED cabinet		
Ingress Protection	IP	IP20		
Brightness	cd/m²	≤ 800 NITS @5volts	≤ 1500 NITS @5volts	
Color Temperature after calib (adjustable)	deg. K	6500		
Viewing Angle (50% brightness)	deg.	160 H / 140 V		
Cabinet Size (WxHxD)	mm	500 x 500 x 80		
Display area (WxH)	mm	500 x 500 / 500 x 1000		
Module Size (WxHxD)	mm	250 x 250 x 24.8		
Pixel Matrix Per Cabinet (WxH)	px	320 x 320	256 x 256	192 x 192
Pixel Matrix Per Module (WxH)	px	160 x 160	128 x 128	96 x 96
Pixel Density	px/m²	409600	262144	147456
Weight of cabinet and modules	kg	7.8		
Cabinet Material		Die-casting magnesium		
Maintenance Mode		Back		
Mask specification		95% Plastic + 5% Fiber / Clips (no screws) / No shaders		
Contrast Ratio		High		
Grey scale (linear)	bit	16		
Brightness control	bit	16		
Processing depth	bit	16		
Color		281 Trillions		
Scan Rate		1/20	1/8 (1/16 & 1/32 opt.)	
Display Refresh Rate	Hz	7680		
Operation Power	V	AC110-220V		
Max. Power Consumption	W/m²	440	560	
Average Power Consumption	W/m²	135	170	
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		10-90%		
Operating Temperature Range		-10°C / +50°C		
Screen Uniformity Correction		Below 0.0001 (no-control point)		
Certification		CE / ETL / CCC / FCC / CB		
Options		Corner cabinets / Hanging bars / Stacking / Dollies		
Compatibility		Compatible with the BORON 2.0 & the HELIUM 2.0		



TECHNICAL DRAWINGS

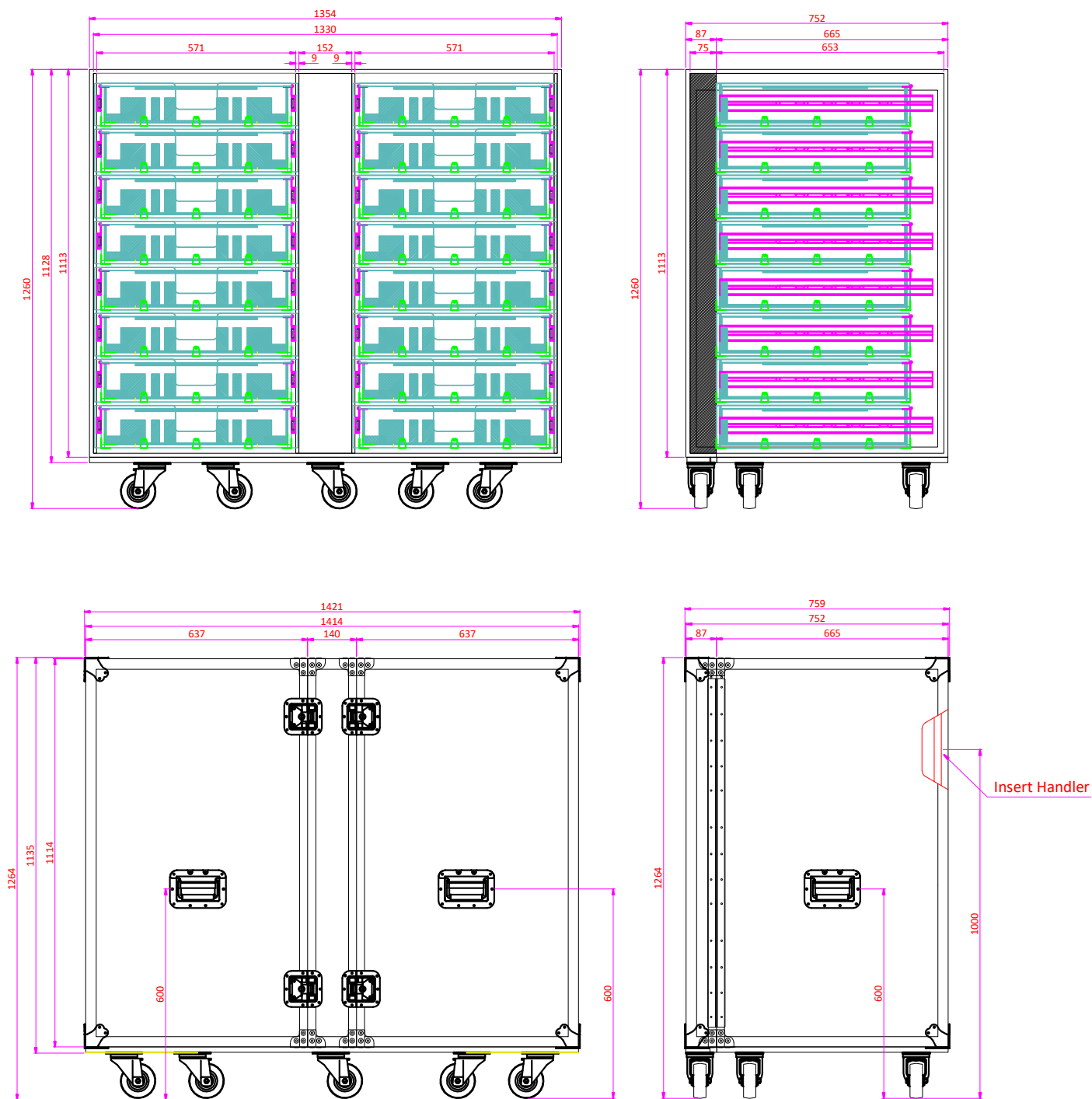
500x500mm CABINET





TECHNICAL DRAWINGS

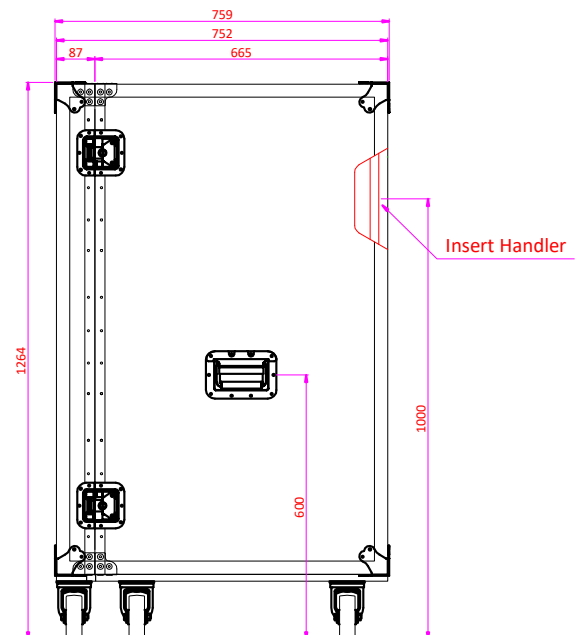
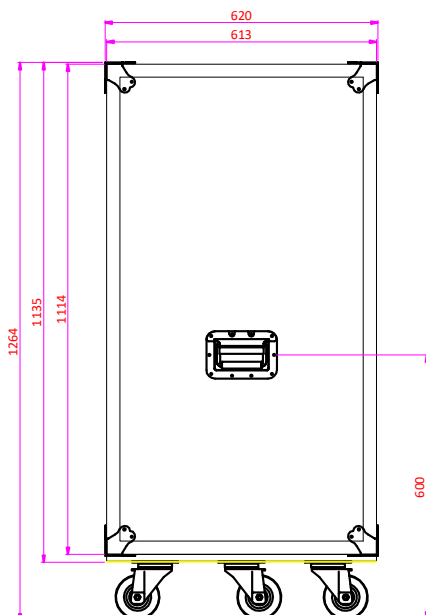
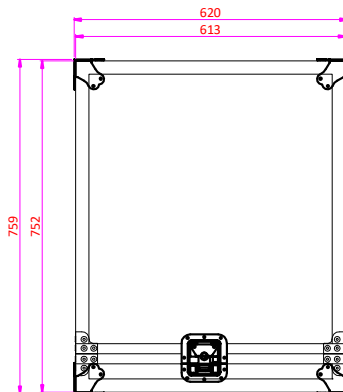
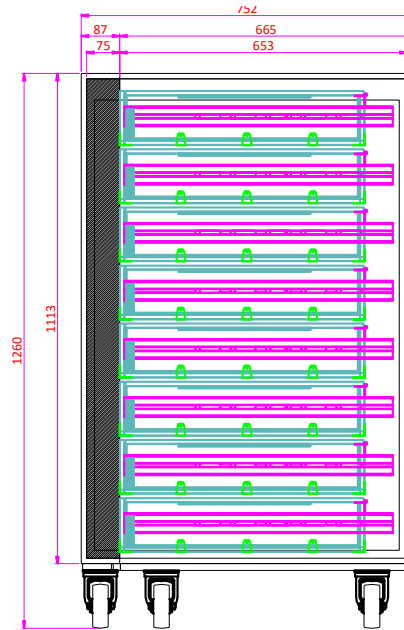
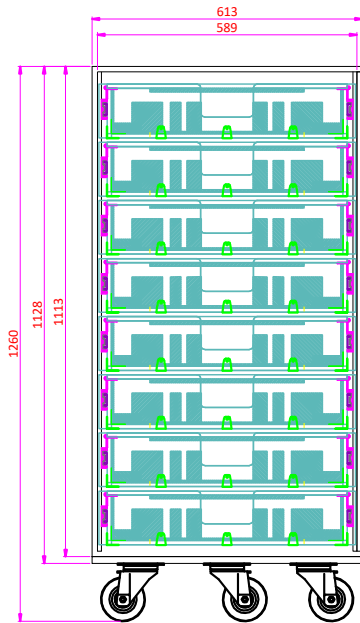
FLIGHTCASE 16in1





TECHNICAL DRAWINGS

FLIGHTCASE 8in1





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.

www.artixium.com