



QWARTZ

2.0 CURVE

INDOOR FLEXIBLE LED SCREEN





OVERVIEW

The brand-new QWARTZ 2.0 CURVE from Artixium combines the technology of flexible LED modules with the QWARTZ series, our benchmark for indoor large-format displays. Fully compatible with QWARTZ 2.0 cabinets, the QWARTZ 2.0 CURVE opens up new creative possibilities for even the most ambitious LED installations.



APPLICATION
Indoor



BRIGHTNESS
≤ 800 NITS @5volts



INGRESS PROTECTION
IP30



WEIGHT
8.5 kg/cabinet 500 x 500 mm



PIXEL PITCH
P1.9 P2.6 P3.1 P3.9



MATERIAL
Die-casting aluminum



DISPLAY AREA (W x H)
250 x 250

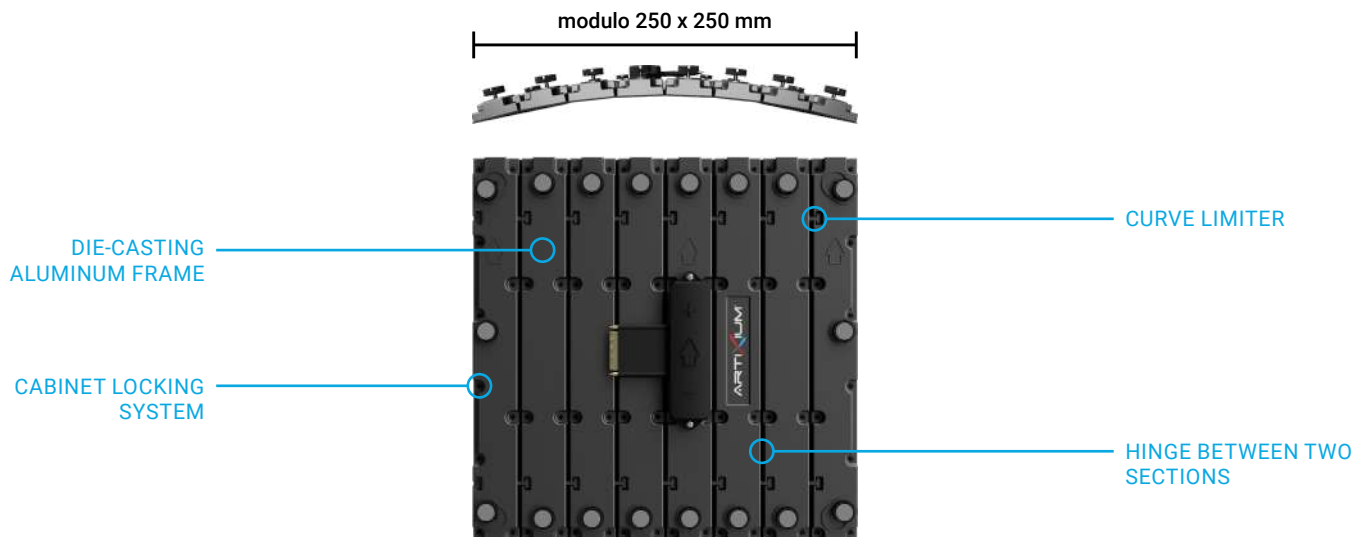


MAINTENANCE
Front maintenance



FEATURES

The QWARTZ 2.0 CURVE is an LED module designed to be integrated into QWARTZ 2.0 cabinets available in three different sizes, all fully compatible with each other. These cabinets stand out for their installation flexibility, as they can be mounted either vertically or horizontally.



CUSTOM-MADE MOUNTING STRUCTURES

To ensure a precise and seamless installation of your LED display, we offer custom-designed mounting structures that allow for a fast and simplified setup. Engineered for mechanical compatibility with our QWARTZ 2.0 cabinets, these structures make it easy to integrate curved sections with flat ones.



SEAMLESS TRANSITION BETWEEN
FLAT AND CURVED SECTIONS



FRONT MAINTENANCE VIA
VACUUM SUCTION SYSTEM

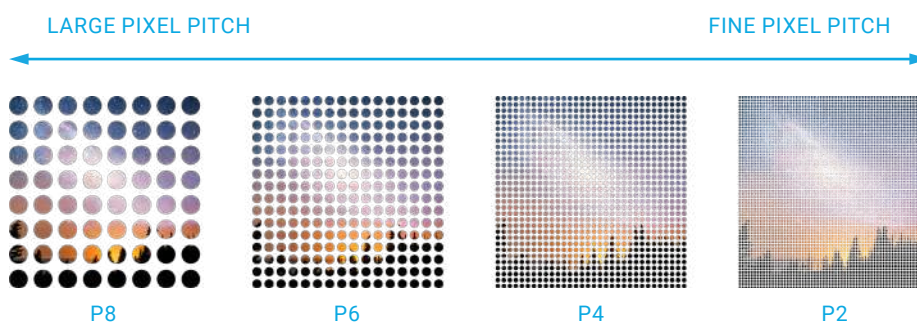


THE MINIMUM DIAMETER
FOR A CIRCLE IS 950 MM

FINE PIXEL PITCH

Like the standard QWARTZ 2.0, the QWARTZ 2.0 CURVE features a fine pixel pitch tailored for high-definition LED applications. With pitch options ranging

from P1.9 to P3.9, you can achieve a resolution perfectly suited to your screen's size, delivering an impressive visual experience.



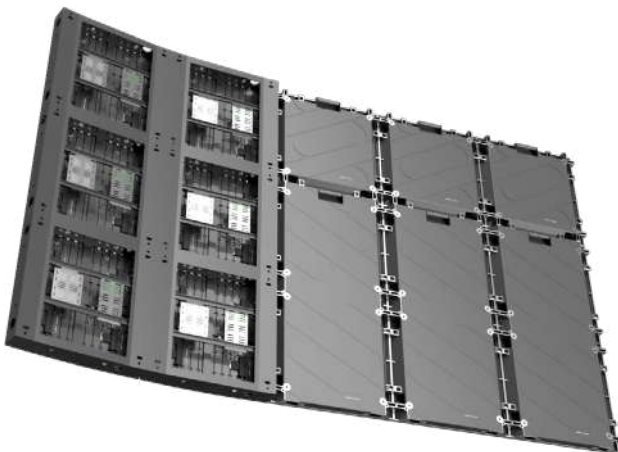
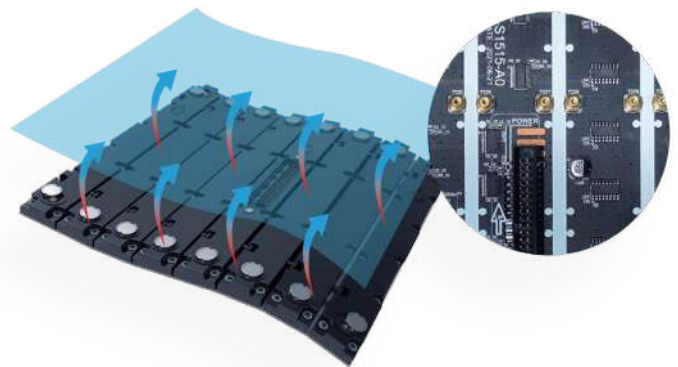


FLEXIBILITY

The QWARTZ 2.0 CURVE module is articulated into eight segments, allowing for curvatures up to 30° (concave or convex). This enables the creation of a wide range of curved shapes, from arches and waves to full circles (minimum diameter: 950 mm).

HIGH-QUALITY PCB

To meet the demands of flexibility, the QWARTZ 2.0 CURVE features a glass fiber-reinforced epoxy resin PCB. This material ensures excellent flexibility and rigidity, while providing outstanding heat tolerance for reliable and long-lasting performance.



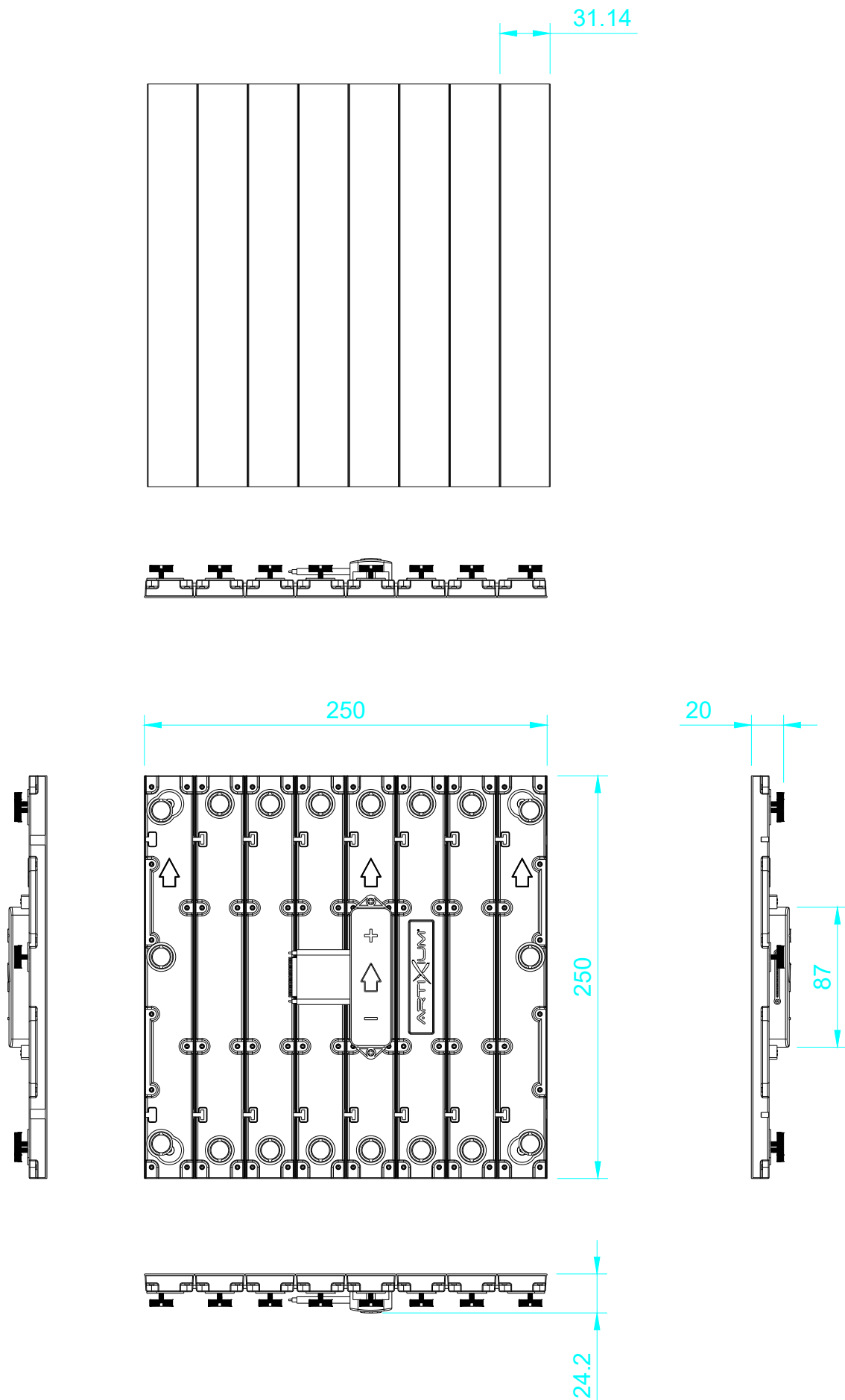
QWARTZ 2.0 COMPATIBILITY

One of the standout advantages of this product is its full compatibility with QWARTZ 2.0 cabinets, allowing you to build a versatile stock of cross-compatible LED screens. This makes it easy to handle both standard projects and highly creative, customized installations.



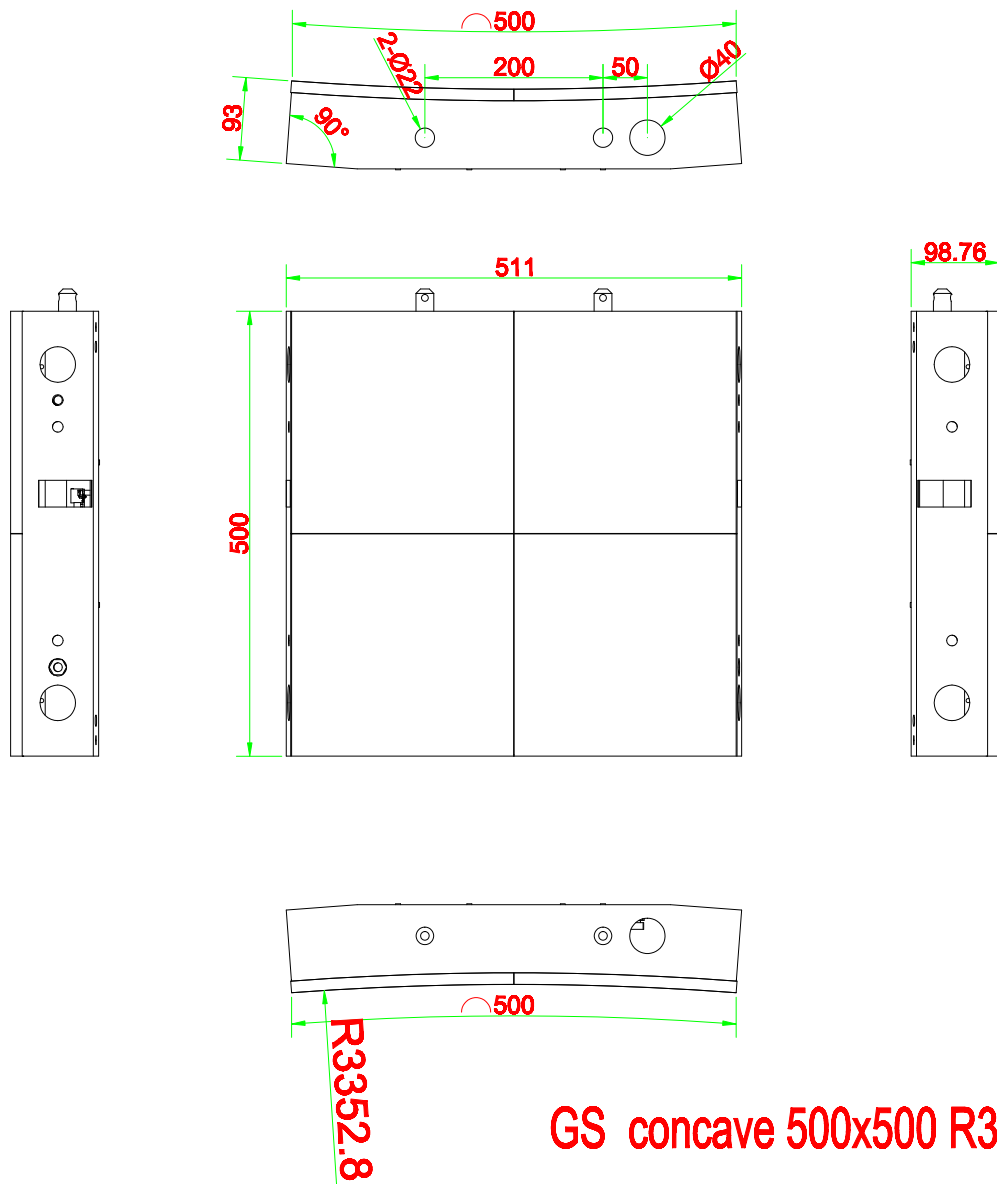
TECHNICAL SPECIFICATIONS

| | | INDOOR | | | |
|--|--------|---|---------|---------------------------|---------|
| Product Parameters | Unit | 1.9 | 2.6 | 3.1 | 3.9 |
| Pixel Pitch | mm | 1,95 | 2,60 | 3,13 | 3,91 |
| LED | | SMD1515 (Full Black Face) | | SMD2020 (Full Black Face) | |
| Application | | Indoor flexible module | | | |
| Ingress Protection | IP | IP30 | | | |
| Brightness | cd/m² | ≤ 800 Nits @5volts | | | |
| Color Temperature after calib (adjustable) | deg. K | 6500 | | | |
| Viewing Angle (50% brightness) | deg. | 140 H / 140 V | | | |
| Cabinet Size (WxHxD) | mm | 250 x 250 x 20 | | | |
| Display area (WxH) | mm | 250 x 250 | | | |
| Module Size (WxHxD) | mm | 250 x 250 | | | |
| Pixel Matrix Per Cabinet (WxH) | px | 128 x 128 | 96 x 96 | 80 x 80 | 64 x 64 |
| Pixel Matrix Per Module (WxH) | px | 128 x 128 | 96 x 96 | 80 x 80 | 64 x 64 |
| Pixel Density | px/m² | 262144 | 147456 | 102400 | 65536 |
| Weight of cabinet | kg | 0.5 | | | |
| Cabinet Material | | Polycarbonate | | | |
| Maintenance Mode | | Front | | | |
| Mask specification | | 95% Plastic + 5% Fiber / SS screws / No shaders | | | |
| Contrast Ratio | | High | | | |
| Grey scale (linear) | bit | ≥14 | | | |
| Brightness control | bit | 16 | | | |
| Processing depth | bit | 16 | | | |
| Color | | 281 Trillions | | | |
| Scan Rate | | 1/32 | 1/24 | 1/20 | 1/16 |
| Display Refresh Rate | Hz | 2880 | | | |
| Operation Power | V | AC100-240V | | | |
| Max. Power Consumption | W/m² | 450 | | | |
| Average Power Consumption | W/m² | 150 | | | |
| Control Mode | | Synchronous / Asynchronous | | | |
| Video Frame Rate | Hz | 50/60Hz | | | |
| Input Types Supported | | DVI / SDI / HDMI | | | |
| 3D ready (optional) | | Yes | | | |
| Calibration | | Yes | | | |
| Lifetime (50% brightness) | h | 100000 | | | |
| Operating Humidity Range | | 10-90% | | | |
| Operating Temperature Range | | 0°C / +40°C | | | |
| Screen Uniformity Correction | | Yes | | | |
| Certification | | CE / FCC / ETL | | | |
| Available options | | Custom support frames | | | |
| Compatibility | | Compatible with the Quartz 2,0 | | | |

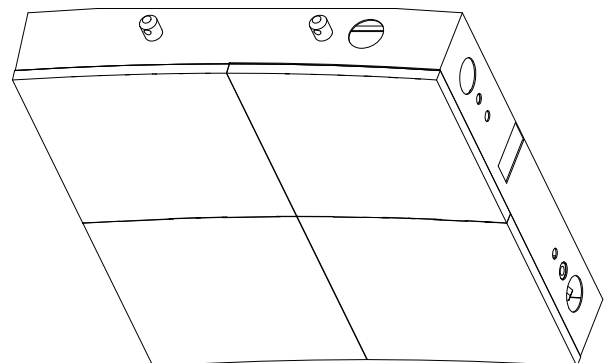
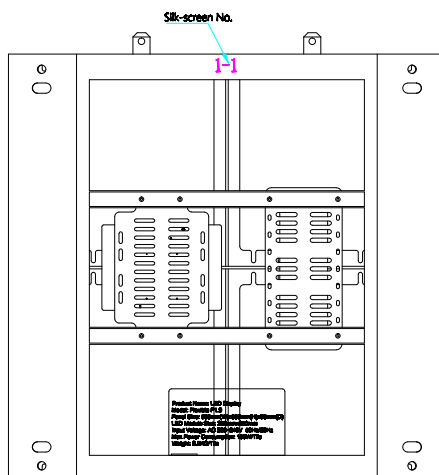




TECHNICAL DRAWINGS



GS concave 500x500 R3352.8mm



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