

CRYSTAL

FINE PITCH RENTAL LED DISPLAY

P1.89 P2.60 P2.98 P3.91



CRYSTAL **90° C**

OVERVIEW

With a pixel pitch ranging from P1.89 to P3.91 mm specially designed for indoor rental installations. The CRYSTAL is made for rental but can also be used for fixed installations. A user friendly cabinet allowing curved angles, an easy maintenance and a fast installation process.

UHD LED DISPLAY

INDOOR (IP41)

P1.89 - P2.6 - P2.98 - P3.91

1000 - 1500 NITS @5VOLTS

500 X 500 X 71 MM

BACK & FRONT MAINTENANCE

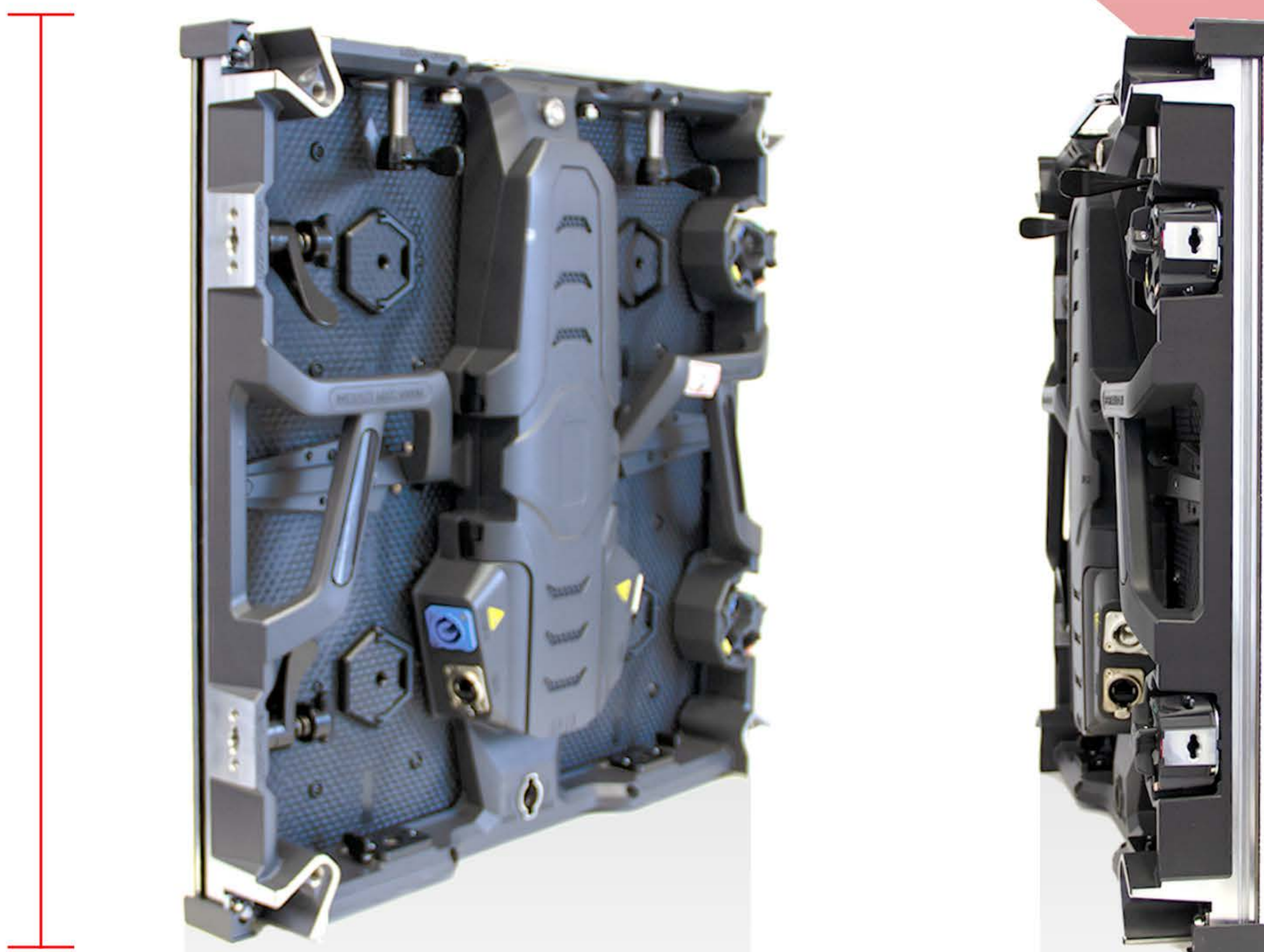
CORNER PROTECTION

DIE-CASTING ALUMINUM

8.5 KG/CABINET

X CABINET SIZE

500 x 500 x 71 mm



CRYSTAL

MAIN FEATURES

✂ NEW 4 in 1 TECHNOLOGY

For Pixel pitch 1.89 only

The Crystal is special, 4 LEDs are encapsulated which makes it a very strong and robust cabinet for its fine pitch. It's also a way to repair leds easily and to prevent leds to get ripped away if the cabinet happens to scratch a surface during the installation.

✂ RENTAL FINE PITCH

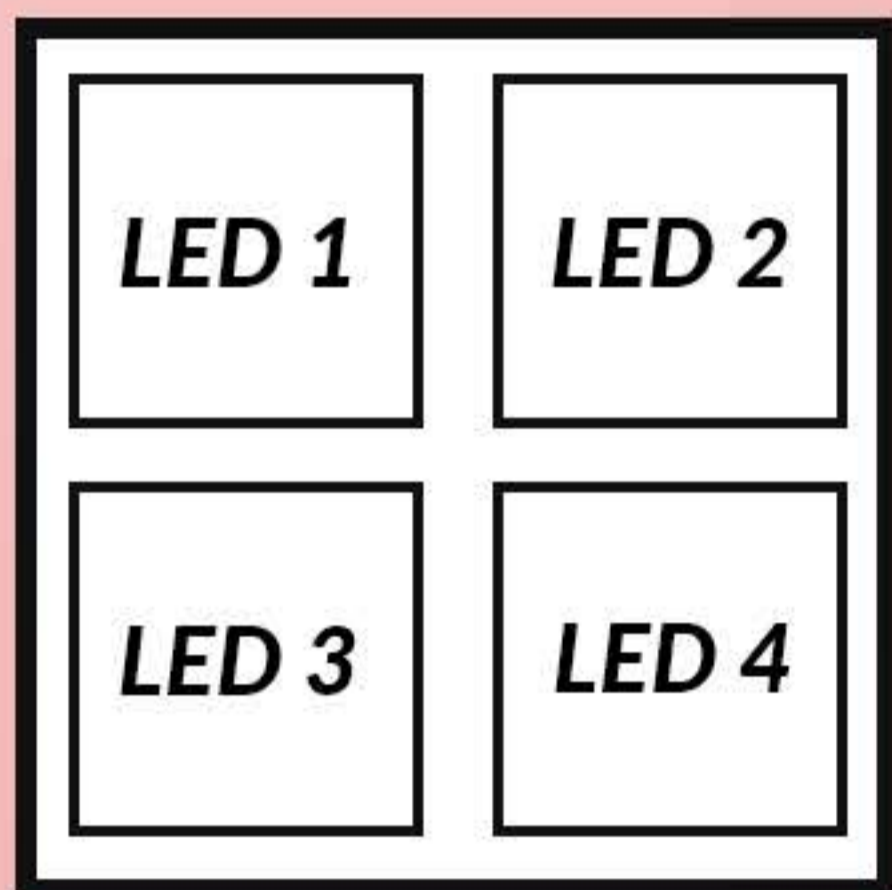
The CRYSTAL is our ultimate solution for ultra small pitch rental installations. With a brand new technology enabling the transportation and installation of an ULTRA HD LED screen with no setbacks or broken led.

✂ INSTALLATION

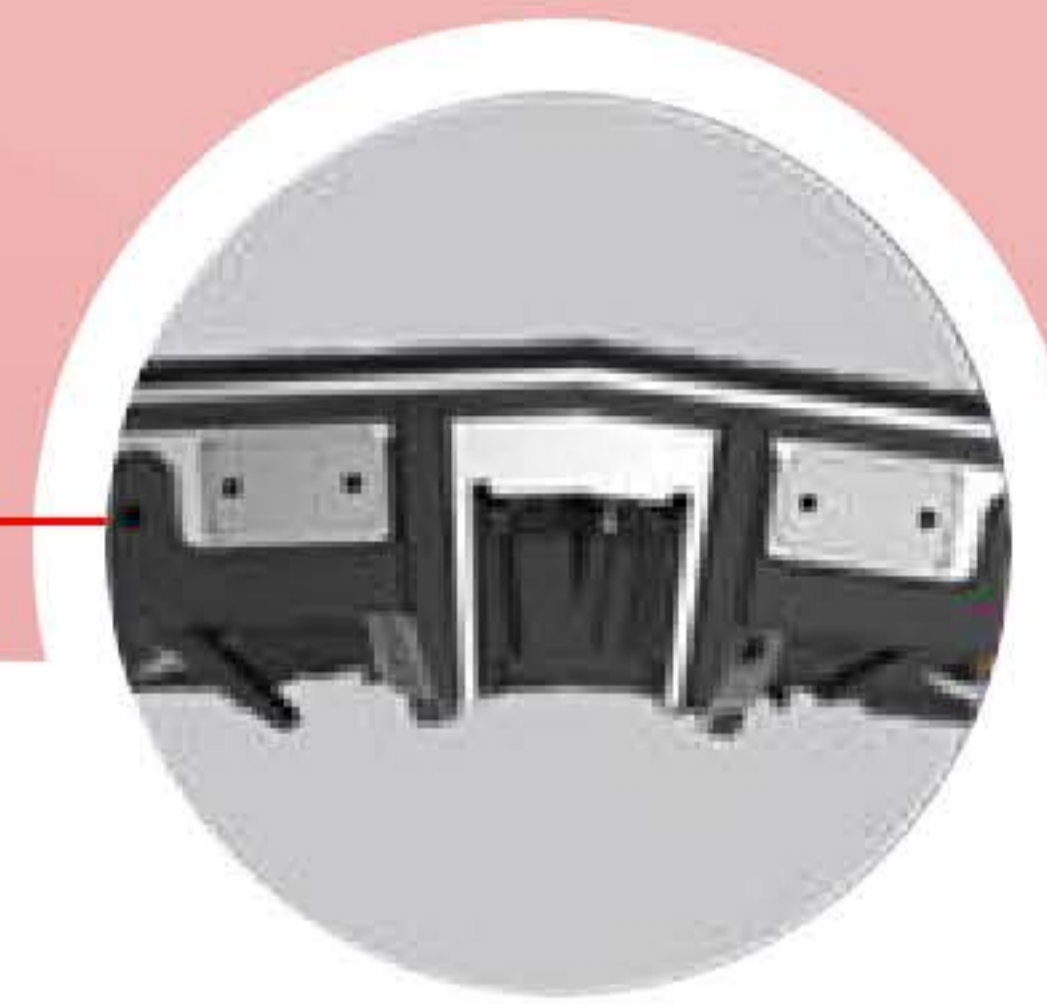
Furthermore to its remarkable features, the CRYSTAL has been designed to be user friendly, carrying 8.5kg per cabinets (Standard) and its tool-less locking system, the CRYSTAL can be easily installed by one Technician.

The CRYSTAL innovative sidelock enables concave & convex installation using our 5 angles rotative system.

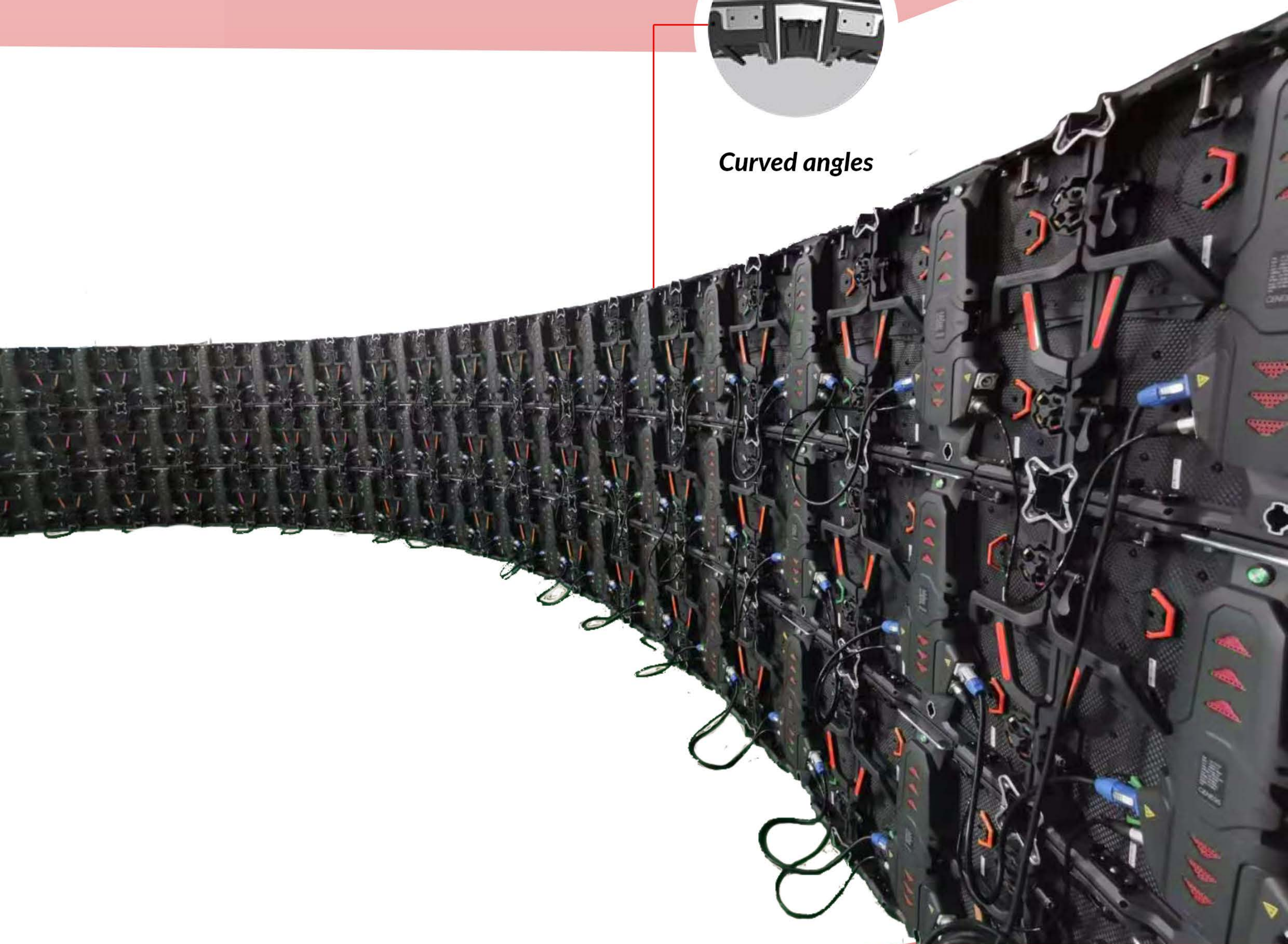
Hanging Bars and Stacking system option available



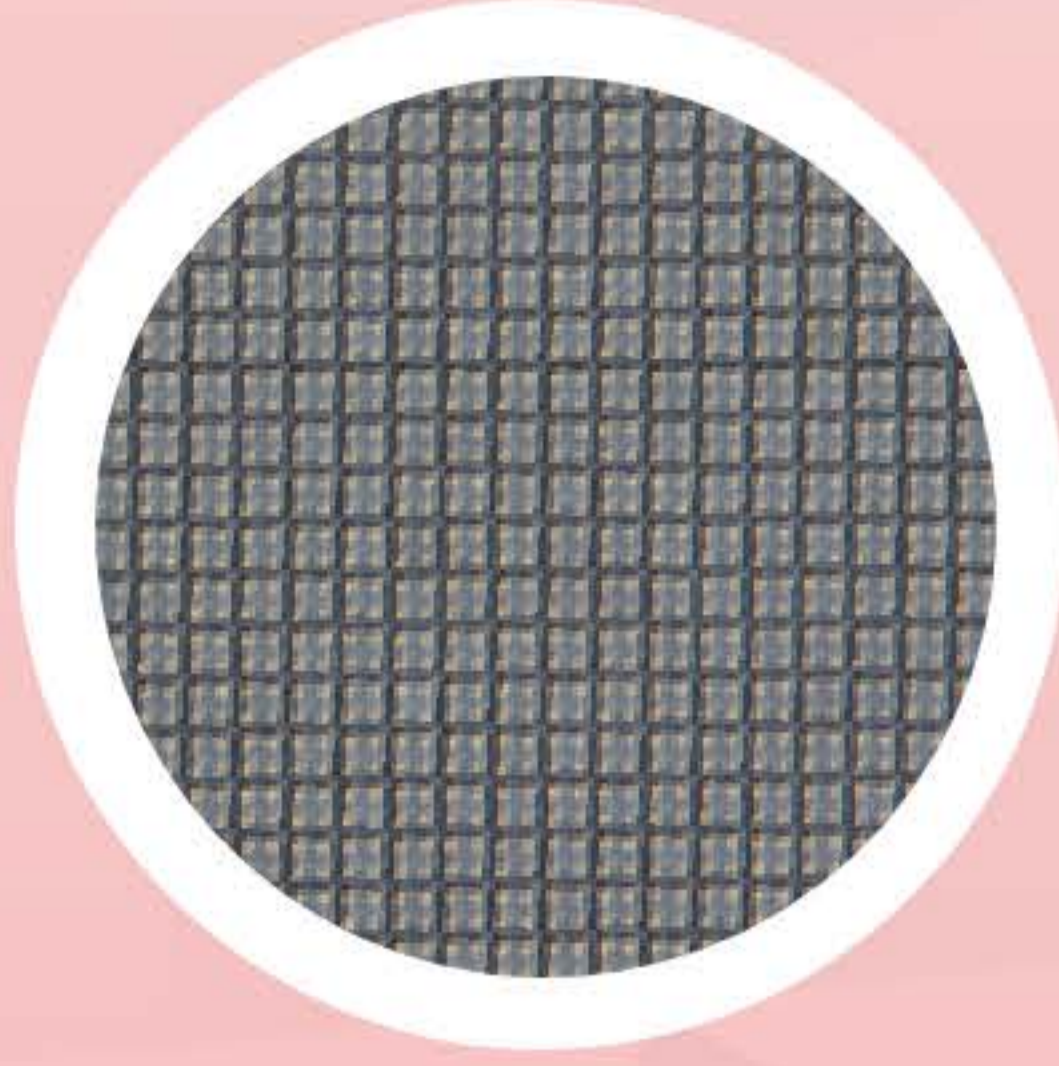
**Encapsulation
Mini LED 4 in 1**



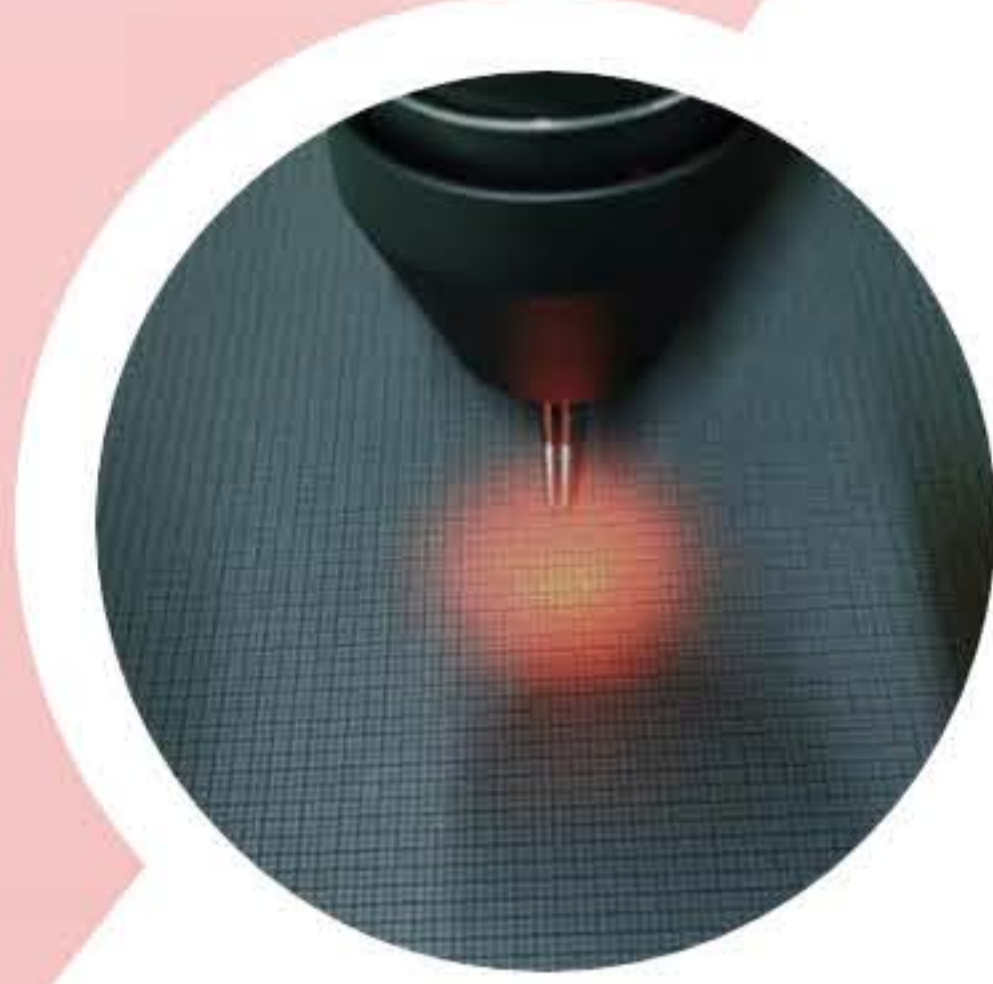
Curved angles



CRYSTAL MAIN FEATURES



**Solid 4 led in
1 encapsulation**
For Pixel pitch 1.89 only



**Single Led reparable
with special tool**
For Pixel pitch 1.89 only



Corner Protection



**Power Supply
Plug in place system**



Data & Power



Locking Systems



Test Button



**5 different
Curve angles**

Corner Protection

Backshell/Test button

Easy Locking System

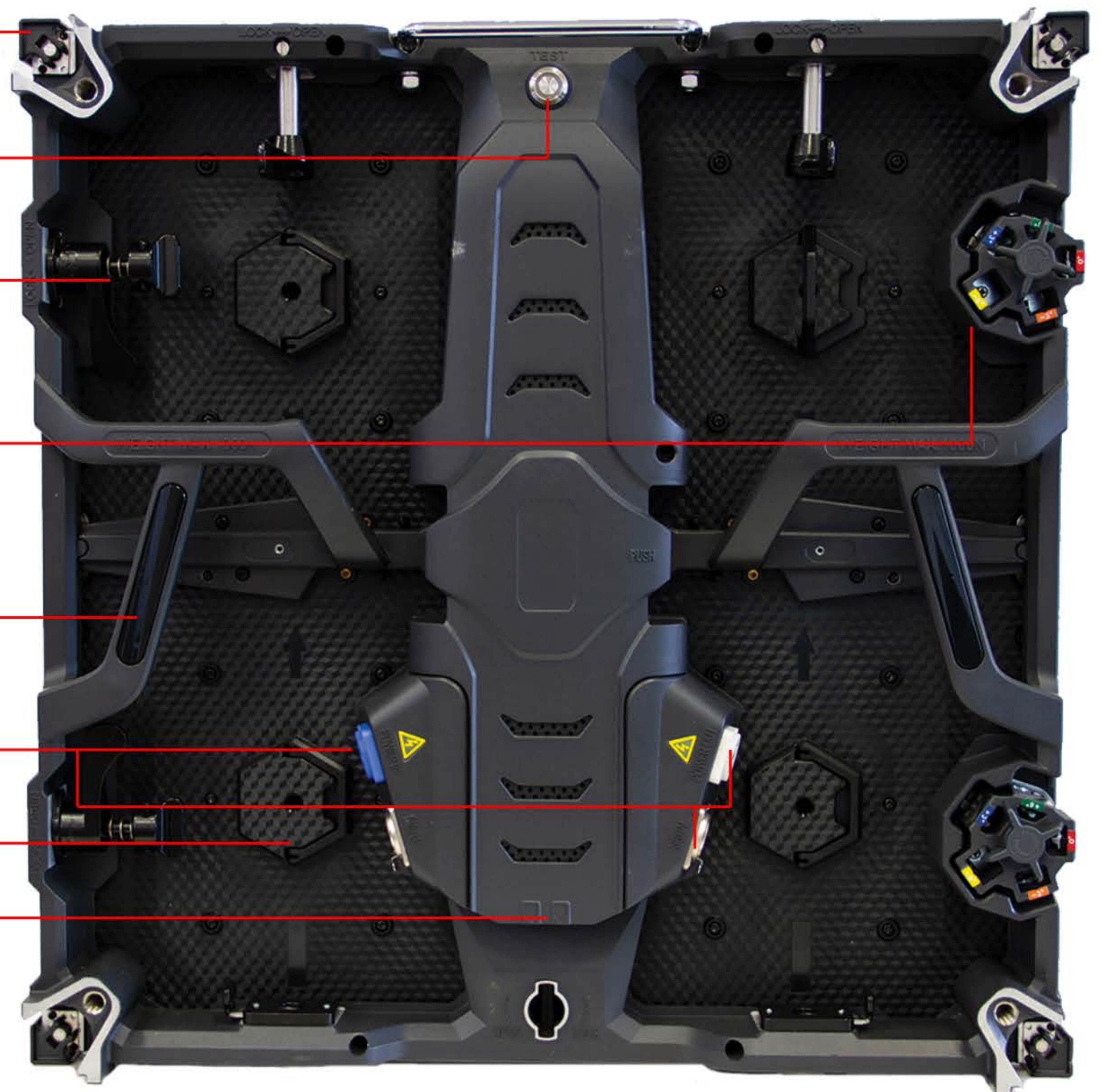
**Curve Angle Adjustment
(5 different angles)**

Transportation Handle

Data & Power Connector

Module Handle

Magnet backdoor system



CRYSTAL

TECHNICAL SPECIFICATIONS

		Indoor			
Product Parameters	Unit	1,8	2,6	2,9	3,9
Pixel Pitch	mm	1,89	2,60	2,98	3,91
LED		MiniLED 4in1	SMD2020 Full Black Face	SMD2020 Full Black Face	SMD2020 Full Black Face
Application		Fine pitch Rental application			
Ingress Protection	IP	IP41			
Brightness	cd/sqm	1000Nits @5volts	1500 Nits @5volts		
Color Temperature after calib (adjustable)	deg. K	6500			
Viewing Angle (50% brightness)	deg.	140(+/-70) H / 140 V			
Cabinet Size (WxHxD) in mm	mm	500 x 500 x 71			
Module Size (WxHxD) in mm	mm	250 x 250 x 15			
Pixel Matrix Per Cabinet (W x H)	px	264 x 264	192 x 192	168 x 168	128 x 128
Pixel Matrix Per Module (W x H)	px	132 x 132	96 x 96	84 x 84	64 x 64
Pixel Density	px/sqm	278784	147456	112896	65536
Weight of cabinet and modules	kg	8,5			
Cabinet Material		Aluminum Die Casting			
Maintenance Mode		Back and Front Access			
Mask specification		95% Plastic + 5% Fiber / Clip type (no screws) / No 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 per cabinet	W	Estimation: 200W / Can change with calibration			
Average Power Consumption per cabinet	W	Estimation: 80W / Can change with calibration			
Control Mode		Synchronisation			
Video Frame Rate	Hz	50/60Hz			
Input Types Supported		DM / SDI / HDMI			
3D ready (optional)		yes			
Calibration		yes			
Lifetime (50% brightness)	h	50000			
Operating Humidity Range		10-95%			
Operating Temperature Range		-10°C / +50°C			
Screen Uniformity Correction		Below 0.0001 (Out of Control point)			
Certification		CE / ETL / CCC			
Features		Corner Protection			
Compatibility					



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