

Universal Frames Enable Creative Design

Install the OPAL LED where you can imagine them. The universal OPAL frames with 3 dimensions are designed to accommodate either a flat or curved, zero-bezel LED canvas. With solutions for hanging, stacking, or wall-mounted options, the OPAL LED modules can be placed in any environment, indoor or outdoor, to create eye-catching and immersive effects.



Flawless Display

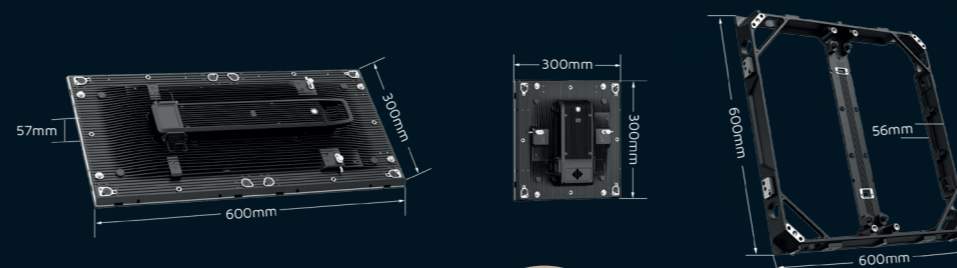
Due to high-precision engineering and manufacturing, the tolerances of the mounting frame are very low. XYZ axes alignment is easy and can be done without removing the LED module. This will result in perfectly aligned, seamless, and flat LED walls.

Specifications

Opal	Opal 1.2i
Pixel Pitch	1.25mm
Max Brightness Calibrated	600nits
Panel Dimension	300 x 600 x 57 mm 11.8" x 23.6" x 2.2" 300 x 300 x 57 mm 11.8" x 11.8" x 2.2"
Panel Resolution (H x V)	240 x 480 / 240 x 240
Panel Weight	5.2kg; 11.46lbs / 2.4kg; 5.3lbs
Frame Dimension	600 x 600 x 56 mm 23.6" x 23.6" x 2.2" 300 x 600 x 56 mm 11.8" x 23.6" x 2.2" 300 x 300 x 56 mm 11.8" x 11.8" x 2.2"
Frame Weight	3.3kg; 7.3lbs / 2.5kg; 5.5lbs / 1.5kg; 3.3lbs
Processing Platform	MVR / Brompton
Power Consumption Max/Average	170W/80W
BTU Max/Average	580/267
Transparency	Solid
Serviceability	Front / Rear
LED Configuration	4 in 1 LED common cathode
Viewing Angle Horizontal	160°
Viewing Angle Vertical	140°
Refresh Rate	3840Hz
Gray Scale	14bit
Frame Material	Die-casting Aluminum
Installation	Hanging / Stacking / Mounting
Operational Temp / Humidity	-20°-45°C, 10-90%RH -4°-113°F, 10-90%RH
Storage Temp / Humidity	-40°-60°C, 10-90%RH -40°-140°F, 10-90%RH
IP Rating	Indoor
Certifications	UL, FCC, RoHS, CE, PSE
EMC	Class B

Notes: The specifications are for reference, actual values may vary.

Dimensions



YOUR SPACE
OUR PASSION

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ROE Display Solutions

OPAL Indoor

Creative LED Platform

INDOOR FIXED INSTALL

HDR technology

HDR

Universal Frames



4-in-1 LED
common cathode



Easy maintenance



Easy and efficient
installation



Curved
configuration
possible



Fine pixel pitch
0.9, 1.2, 1.5, 1.8, 2.5



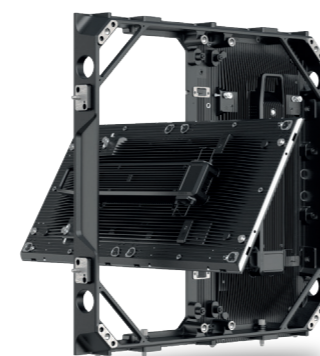
Hanging and
Stacking



\\ What inspires you?
LED panels feed the desire to create,
facilitating imaginative and
extraordinary designs.

Next-gen technology

The OPAL LED platform is designed with our next generation in mind. Innovative use of new technologies, like common cathode, translates into LED displays that use up to 25% less energy and generate less heat. Using common cathode technology will result in brighter and color consistent LEDs, making the overall LED performance very stable in all conditions.



Create without restrictions

Enabling out of the ordinary designs without customizing your LED panel time and again; that's what inspired ROE Visual to create OPAL.

No compromises on your visuals

The OPAL LED panel platform stands out with a stunning visual performance. Using black LEDs, the OPAL LED canvas has a high contrast ratio and a wide color gamut, delivering a high-definition viewing experience with unmatched color accuracy.



OPAL: The Versatile LED Platform

OPAL is a versatile LED platform conceptualized to aid designers in creating out-of-the-box designs. Its adaptable design, based on 300x300 mm square LED modules, translates into various frame dimensions which can be combined like Lego blocks, creating room for artistic, immersive displays that are out of the ordinary. OPAL uses just one platform that accommodates both in- and outdoor applications.