

ROE Display
Solutions



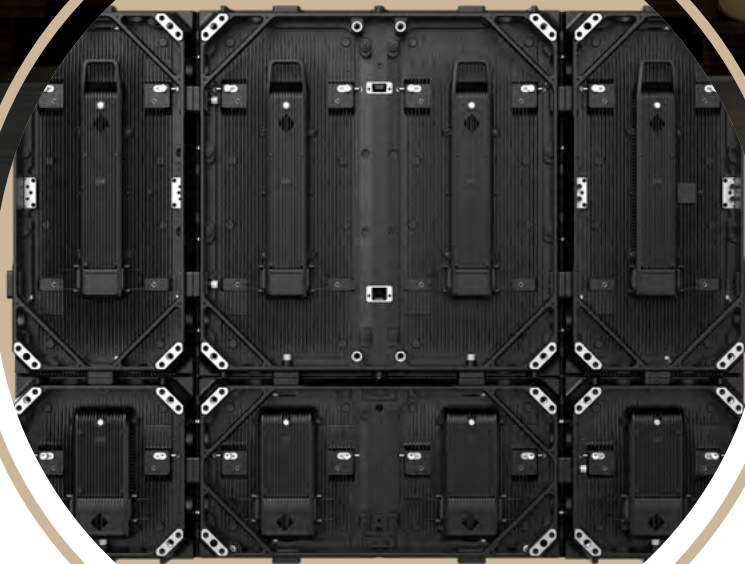
Opal Indoor

Versatile LED Platform

INDOOR FIXED INSTALL

Universal Frames Enable Creative Design

Take your creativity where it leads you. The Opal LED modules and panel frames are developed to offer easy installation. The universal Opal modules and panel frames are designed to accommodate either a flat or curved, zero-bezel LED canvas. With solutions for wall-mounting, stacking, or even hanging, the Opal LED modules can be placed in any environment to create eye-catching and immersive effects.



Flawless Display

Due to high-precision engineering and manufacturing, the mounting frame has high tolerance. 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.

HDR technology

HDR

Universal frames



4-in-1 LED
common cathode



Easy maintenance



Easy and efficient
installation



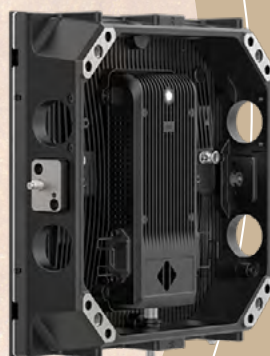
Curved
configuration
possible



Fine pixel pitch
1.2



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 results 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.

Don't Compromise on Your Visuals

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



Opal: The Versatile LED Platform

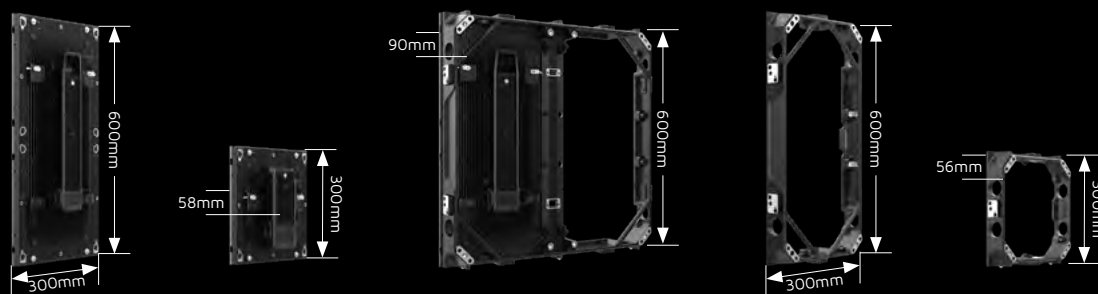
Opal is a versatile LED platform conceptualized to aid designers in creating out-of-the-box designs. Its adaptable design, based on 300x300 mm square LED modules, translates into various frame dimensions which can be combined like Lego blocks, creating room for artistic, immersive displays that are out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

Specifications

Opal	Opal 1.2i		
Pixel Pitch	1.25mm		
Max Brightness Calibrated	800nits		
Panel Dimensions	300mm x 600mm x 58mm 11.8" x 23.6" x 2.3"	300mm x 300mm x 58mm 11.8" x 11.8" x 2.3"	
Panel Resolution (H x V)	240 x 480	240 x 240	
Panel Weight	5.17kg; 11.4lbs	2.36kg; 5.2lbs	
Power Consumption Max / Average	120W / 60W	60W / 30W	
BTU Max / Average	410 / 190	205/ 95	
Transparency	Solid		
Serviceability	Front / Rear		
Curving (Concave & Convex)	Concave 5°~Convex 5°		
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		
Processing Platform	MVR / Brompton / Nova		
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	CE, FCC, ETL, PSE, RoHS, UL, WEEE		
EMC	Class B		
Frame			
Frame Dimensions	600mm x 600mm x 56mm 23.6" x 23.6" x 2.2"	300mm x 600mm x 56mm 11.8" x 23.6" x 2.2"	300mm x 300mm x 56mm 11.8" x 11.8" x 2.2"
Frame Weight	3.72kg; 8.2lbs	2.5kg; 5.5lbs	1.46kg; 3.2lbs

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

Dimensions



www.roevisual.com

ROE China | ROE US | ROE EU | ROE UK | ROE JP | ROE ME
roe@roevisual.com