



* All images in this datasheet are for illustrative purposes only.

Indoor LED LSAC

54" LED Video Wall Display



Easy Replacement
and Undemanding
Maintenance



Optimum Cable-less
Design for Simple
Installation



Bezel-less
LED Display



Alpha 7 Intelligent
Processor

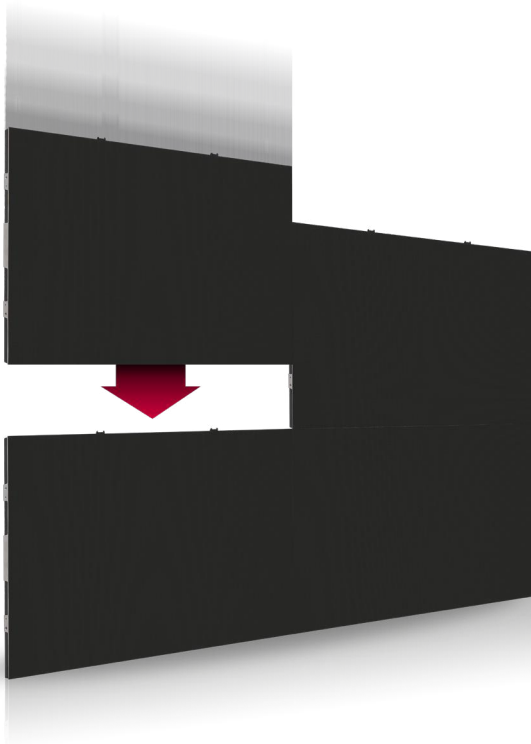


LG webOS
Smart Platform

LSAC

| | |
|--------------------|-------------------|
| Pixel Pitch | 2.5 mm |
| Brightness | 600 nit |
| Weight per Cabinet | 22.5 kg / Cabinet |
| Serviceability | Front |
| IP Rating | IP20 |

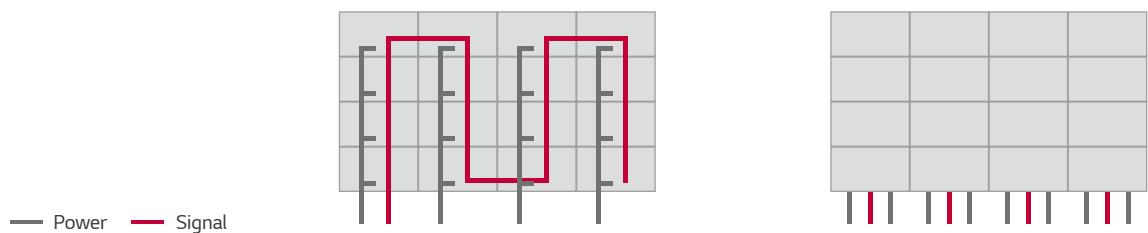
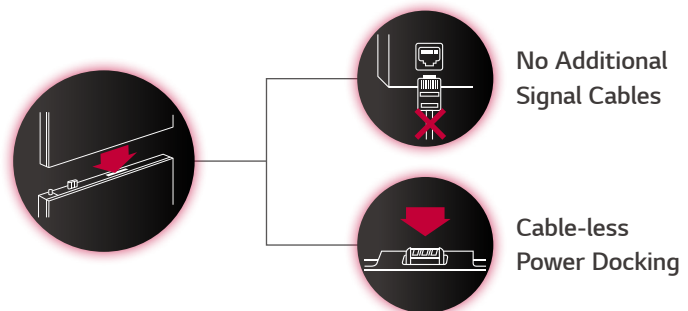
Optimum Cable-less Design for Simple Installation



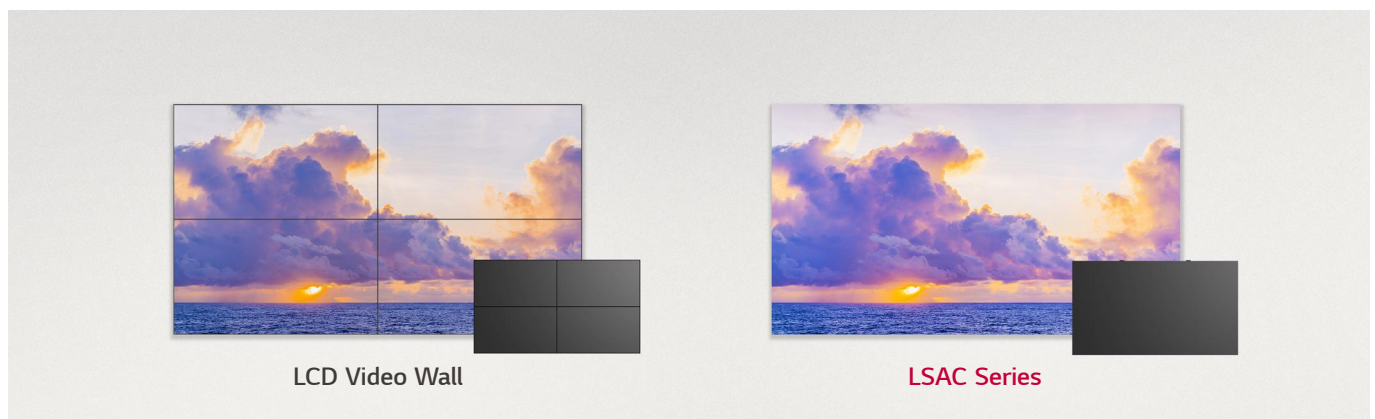
Cable-less Signal Transmission & Power Docking

The LSAC series is the innovative LED signage applying the cableless transmission technology with non connectors*. For up to UHD resolution with the 16:9 ratio, it does not require a cable connection between the cabinets to supply signal & power. Its block assembly design makes the LSAC series easier to be installed than before.

* Non Connectors: Connectors that use RF (Radio Frequency) to transmit and receive data between two devices.



| | LCD Video Wall 4×4 | LSAC Series 4×4 |
|-----------------------------|--------------------|-----------------|
| The Number of Signal Cables | 16 ea | 4 ea |
| The Number of Power Cables | 16 ea | 8 ea |
| Lifetime (Half Brightness) | 60,000 Hr | 100,000 Hr |

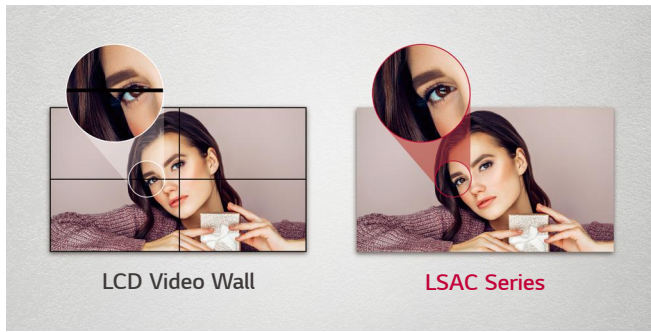


Easy Replacement and Undemanding Maintenance

Upgrade your existing 55-inch LCD video wall to the latest technology and LED display without having to secure additional space.

* The product can be installed using VESA wall-mount (600×400) and screws.

* The VESA wall-mount or any other wall-mounts are sold separately.



Bezel-less LED Display

Unlike the LCD video walls, LSAC series is truly bezel-free, so audiences can focus on visual content in its entirety without any bezel interference between displays.



Vivid Color Expression Powered by HDR

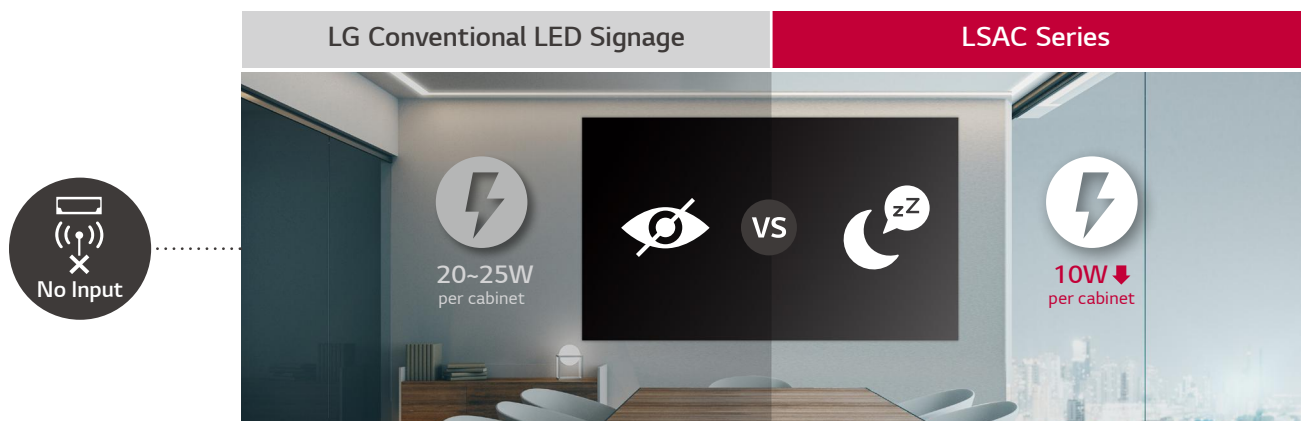
With HDR (HDR10, HDR10 Pro*) support, content becomes vivid with great visual impact. The wider color spectrum and greater contrast ratio allow viewers to fully enjoy lively content.

* HDR10 Pro is LG's own HDR solution for processing HDR signal by using enhanced dynamic tone mapping.



EMC Class B Certified

The LSAC series is certified as EMC Class B, which requires electronic equipment made for use in residential environments as well as commercial, industrial, or business environments. Therefore, it is suitable for up-close uses such as corporate meeting rooms, board rooms, etc.



Standby Mode

When there is no input signal for a period of time, the screen turns off and the main circuit parts inside the LED cabinet go to a standby mode. This saves additional power consumption and enables the product to be reactivated simply by using a remote control.

Alpha 7 Intelligent Processor



Optimized Image Quality with α 7 Intelligent Processor

The "Alpha 7 Intelligent Processor" applied to the LSAC series recognizes and analyzes the original content, optimizing the clarity and sharpness of the content for itself.



Compatibility with LG Software Solutions

Powered by LG's high performance system controller, the LSAC series is compatible with LG software solutions including SuperSign CMS, LED Assistant, and ConnectedCare, which help customers operate their own business flawlessly.

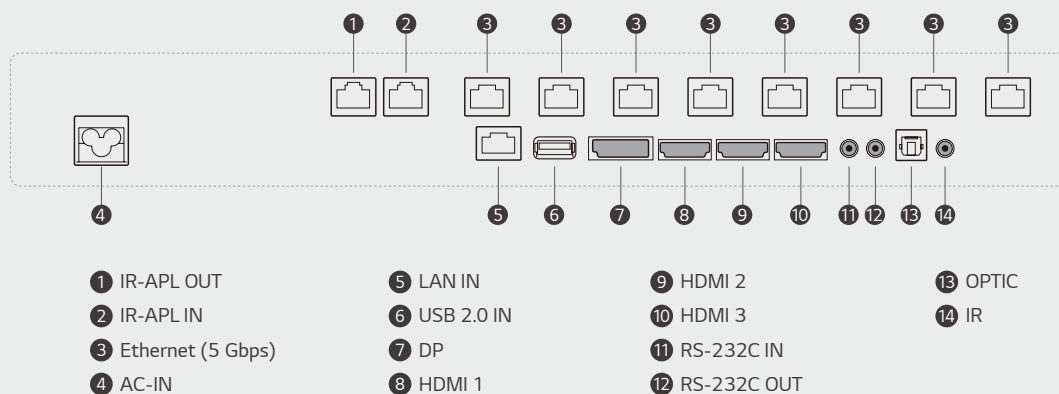
* 'LG ConnectedCare' and 'SuperSign CMS' need to be purchased separately.

* The availability of the 'LG ConnectedCare' service differs by region, so please contact the LG sales representative in your region for more details.

* The items that can be monitored by LG ConnectedCare : Main Board (Temp, Signal Status, FPGA Ver, Ethernet Connection Status), Receiving Card (Temp, LED Power)

* Actual GUI may vary in different webOS versions.

CONNECTIVITY SYSTEM CONTROLLER



* Jack Panels may differ from the above image, so please contact LG sales team to verify before ordering.

SPECIFICATIONS

| | | LSAC025-MK | LSAC025-SK |
|---------------------------|---|----------------------------------|----------------------------------|
| Physical Parameters | Pixel Configuration | 3 in 1 SMD | 3 in 1 SMD |
| | Pixel Pitch (mm) | 2.5 | 2.5 |
| | Module Resolution (W × H) | 120 × 90 | 120 × 90 |
| | Module Dimensions (W × H, mm) | 300 × 225 | 300 × 225 |
| | Weight per Module (g) | 430 | 430 |
| | No. of Modules per Cabinet (W × H) | 4 × 3 | 4 × 3 |
| | Cabinet Resolution (W × H) | 480 × 270 | 480 × 270 |
| | Cabinet Dimensions (W × H × D, mm) | 1,200 × 675 × 51 | 1,200 × 675 × 51 |
| | Cabinet Surface Area (m ²) | 0.81 | 0.81 |
| | Weight per Cabinet (kg/Cabinet) | 22.5 | 22.5 |
| | Weight per Square Meter (kg/m ²) | 27.8 | 27.8 |
| | Physical Pixel Density (pixels/m ²) | 160,000 | 160,000 |
| | Flatness of Cabinet (mm) | ±0.5 | ±0.5 |
| | Cabinet Material | Die-cast Aluminum | Die-cast Aluminum |
| | Service Access | Front | Front |
| Optical Specifications | Max Brightness (nit) | 600 | 600 |
| | Color Temperature (K) | 3,200-9,300 | 3,200-9,300 |
| | Visual Viewing Angle (H × V) | 160 × 160 | 160 × 160 |
| | Brightness Uniformity | 95% | 95% |
| | Color Uniformity | ±0.015 Cx,Cy | ±0.015 Cx,Cy |
| | Contrast Ratio | Typ. 5,000 : 1 / Peak. 9,000 : 1 | Typ. 5,000 : 1 / Peak. 9,000 : 1 |
| | Processing Depth (bit) | 20 (HDR10, HDR10 Pro) | 20 (HDR10, HDR10 Pro) |
| Electrical Specifications | Power Consumption (W/Cabinet, Max.) | 290 | 290 |
| | Power Consumption (W/Cabinet, Avg.) | 190 | 190 |
| | Power Consumption (W/m ² , Max.) | 358 | 358 |
| | Heat dissipation (BTU/Cabinet, Max.) | 990 | 990 |
| | Heat dissipation (BTU/Cabinet, Avg.) | 648 | 648 |
| | Heat dissipation (BTU/m ² , Max.) | 1,222 | 1,222 |
| | Power Supply (V) | 100 to 240 | 100 to 240 |
| | Frame Rate (Hz) | 50 / 60 | 50 / 60 |
| | Refresh Rate (Hz) | 3,840 | 3,840 |
| Operation Specifications | Lifetime (Half Brightness) | 100,000 | 100,000 |
| | Operating Temperature (°C) | 0 to +40 | 0 to +40 |
| | Operating Humidity | 10-80% RH | 10-80% RH |
| | IP Rating Front / Rear | IP20 / IP20 | IP20 / IP20 |
| Certification | | Safety 60950-1, EMC Class B | Safety 60950-1, EMC Class B |
| Environment | | RoHS | RoHS |
| System Controller | | CSAC-025K | CSAC-025K |
| 90 Degree Corner Cut | | No | No |
| Service Access | | Front | Front |

* Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.



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