



\* All images are for illustrative purposes only.

**Flexible Curved Open Frame OLED Signage EF5K**

# Artistic Space beyond Display

## LG OLED Signage

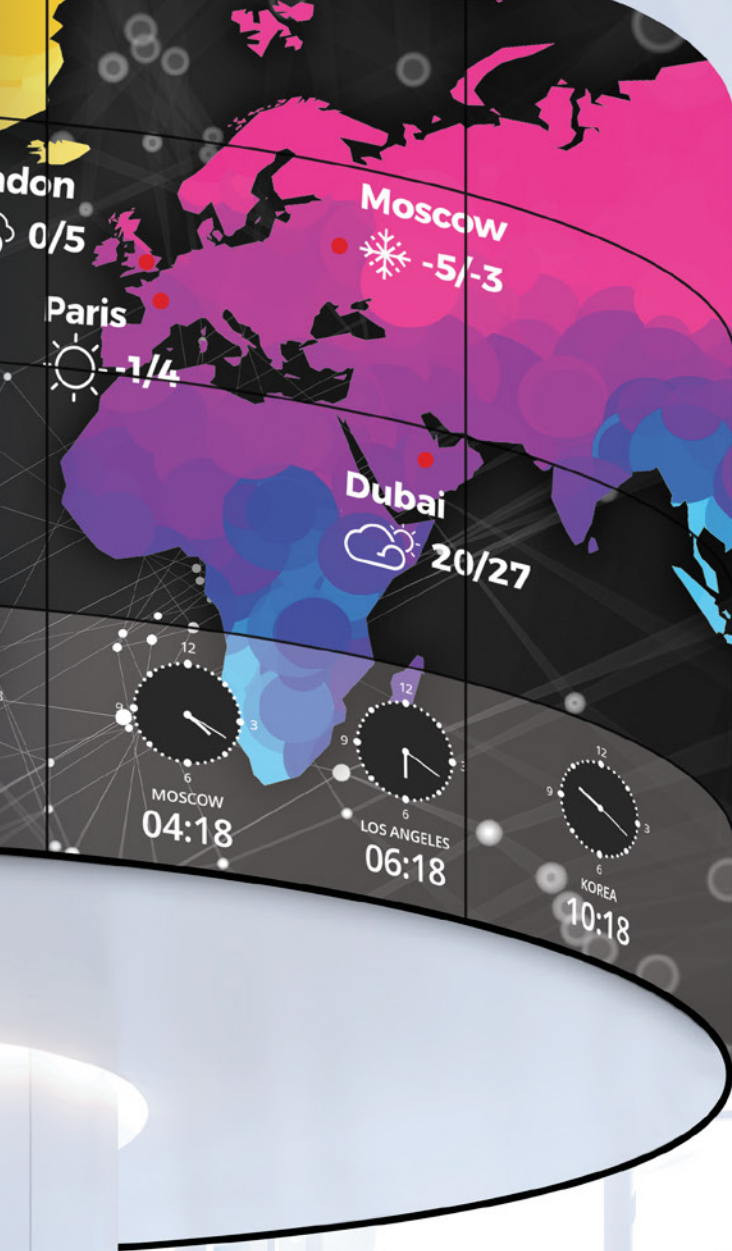
Unrivaled Picture Quality

Space-fitting Design

On-site Customization

Synced Playback

EF5K	
Screen Size	139.7 cm (55)
Panel Technology	OLED
Native Resolution	1,920 × 1,080 (FHD)
Brightness	150 / 400 cd/m <sup>2</sup> (nits) (APL 100% / 25%)
Contrast Ratio	150,000 : 1
Response Time	1 ms (G to G), 8 ms (MPRT)
Portrait / Landscape	Yes / Yes



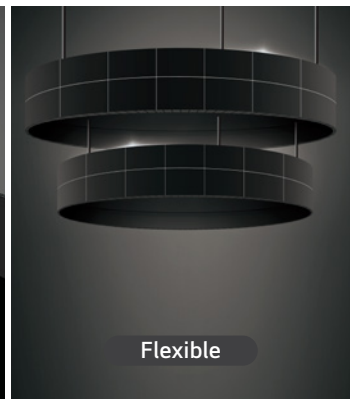
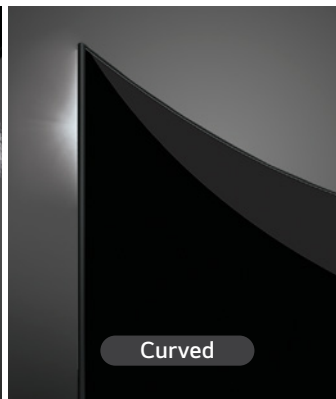
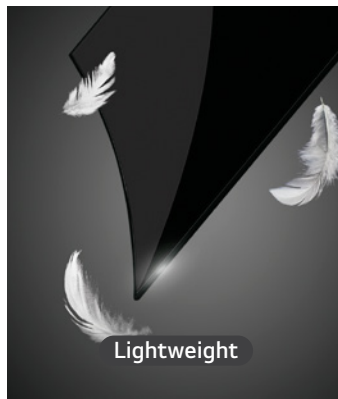
Blending in with the space while captivating everyone's mind. LG OLED signage offers flexible design. Beyond its informative features, LG OLED signage delivers unsurpassed advertising effectiveness, redesigning space as a prestige-enhancing landmark with perfect colors and innovative forms.





## Expandable Screen Size

The screen size can be as large as users want by tiling up displays horizontally and vertically. This provides viewers with an incredibly immersive viewing experience.



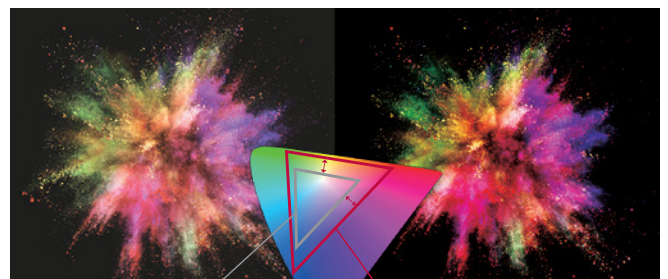
## Splendid Design

LG OLED technology doesn't require a backlight unit nor a liquid crystal layer so it offers a flexible design with unbelievably lightweight and slim features.



LCD

LG OLED Signage



LCD

LG OLED Signage

## Absolute Black

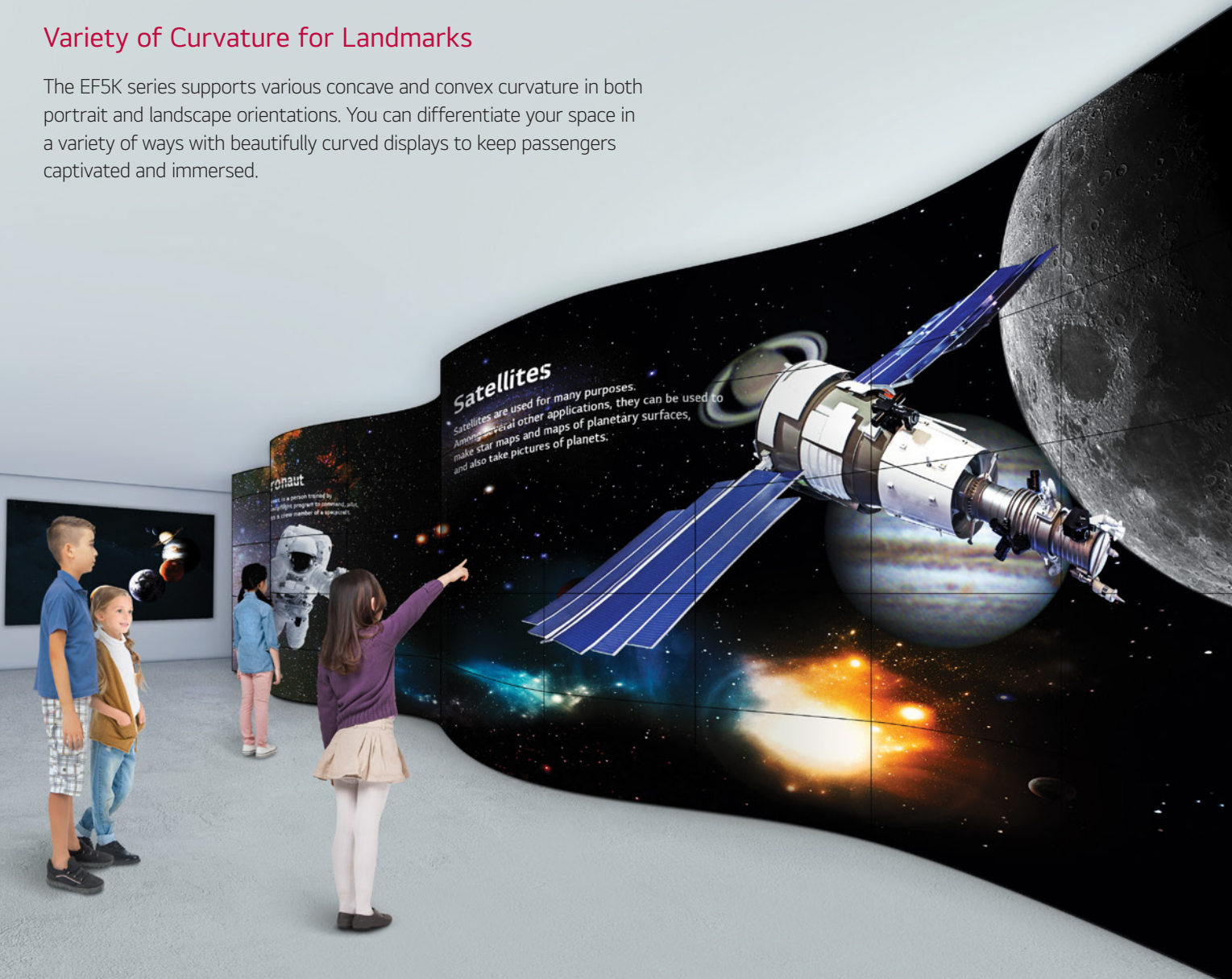
Equipped with over 8 million self-lighting pixels operating individually, LG OLED Signage reproduces absolute blacks with no light bleed and offers infinite contrast.

## Rich Color

LG OLED Signage provides richness in all colors, bringing colors to life with great accuracy and vividness.

## Variety of Curvature for Landmarks

The EF5K series supports various concave and convex curvature in both portrait and landscape orientations. You can differentiate your space in a variety of ways with beautifully curved displays to keep passengers captivated and immersed.



### In Portrait



Max Curvature in Portrait  
• Concave/Convex: up to 1,000R

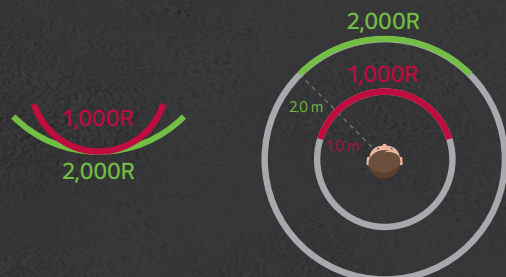
### In Landscape

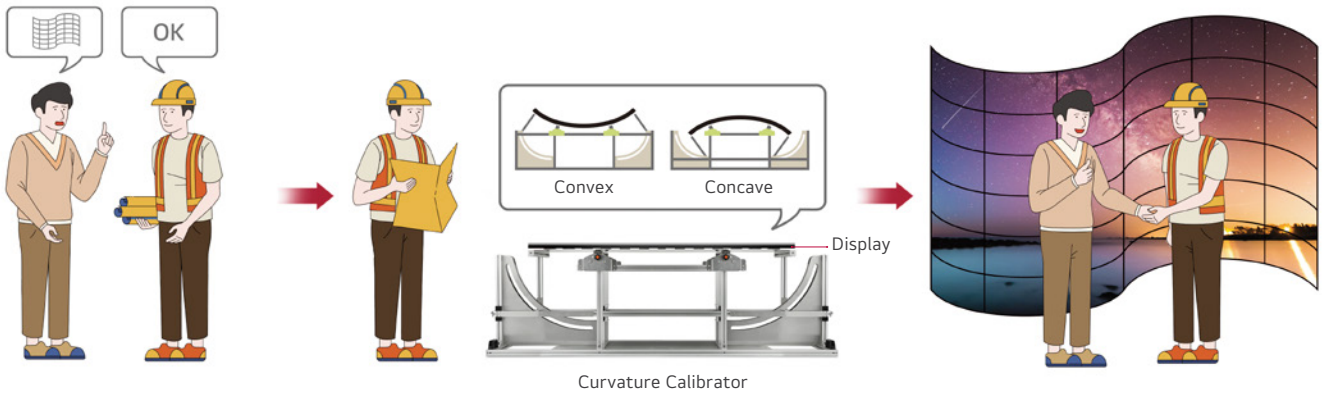


Max Curvature in Landscape  
• Concave/Convex: up to 1,000R

### What is R?

Due to the nature of its curved design, "R" signifies the radial length of a circle which allows for its curved display. For example, displays with a curvature of 1,000R will have a radius of 1m (1,000mm).

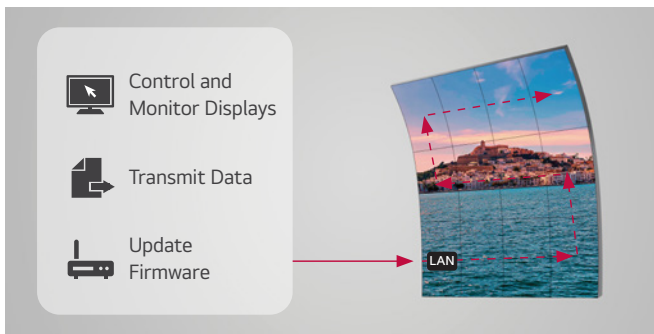




### On-site Customization

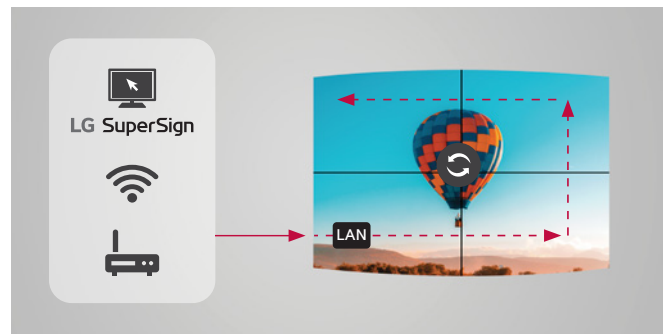
The EF5K series enables a completely new approach for innovative and flexible designs. Its optional "Curvature Calibrator(CC)\*" supports the coordination of displays with various convex and concave curvature, depending on the requirements. This makes it possible to rapidly respond to changes on-site, making it easier to successfully build an eye-catching landmark.

\* A Curvature Calibrator needs to be purchased separately. Please contact your regional LG sales representatives for details.



### LAN Daisy Chain Management

The LAN daisy chain allows users to control and monitor displays, transmit data and even update firmware all at once, reducing management burden.

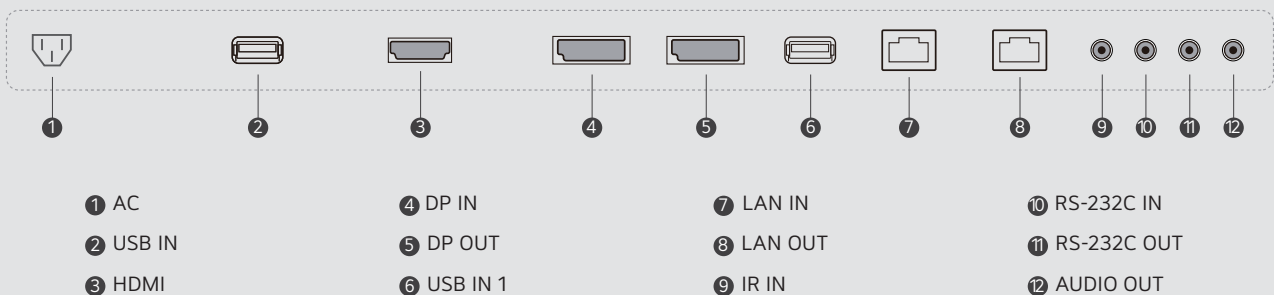


### Videowall Playlist & Sync Playback

Through its built-in high performance SoC, each display plays its video tile for synchronized content playback.

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## CONNECTIVITY



# SPECIFICATIONS

Category	Spec Items	55EF5K
Panel	Screen Size	139.7 cm (55)
	Panel Technology	OLED
	Back Light Type	OLED
	Aspect Ratio	16:9
	Native Resolution	1920 x 1080 (FHD)
	Refresh Rate	120 Hz
	Brightness	150 / 400 nits (APL 100% / 25%)
	Contrast Ratio	150,000 : 1
	Color Gamut	BT709 120%
	Viewing Angle (H x V)	178 x 178
	Color Depth (Number of Colors)	10 bit (R), 1.07Billion colors
	Response Time	1 ms (G to G), 8 ms (MPRT)
	Surface Treatment (Haze)	Haze 0%, Hard coating (2H) Reflectance Typ. 1.2%
	Life time	30,000 Hrs (Typ.)
Operation Hours (Hours / Day)	18 / 7 (Moving Content Only)	
Portrait / Landscape	Yes / Yes	
Connectivity	HDMI In	Yes (1), HDCP1.4
	DP In	Yes (1), HDCP1.3
	RS232C In	Yes (1)
	RJ45 (LAN) In	Yes (1)
	IR In	Yes (1), External IR Receiver
	USB In	USB2.0 Type A (2)
	DP Out	Yes (1)
	Audio Out	Yes (1)
	RS232C Out	Yes (1)
	RJ45 (LAN) Out	Yes (1)
	IR Out	Sharing RS232C Out
	Daisy Chain	Input HDMI, DP / Output DP
Mechanical	Bezel Color	Black
	Bezel Width	T/R/L/B : 0.6/6.7/6.7/0.6 mm (Landscape, Off Bezel), T/R/L/B : 0.6/6.7/6.7/0.6 mm (Portrait, Off Bezel), T/R/L/B : 5.0/7.6/7.6/10.6 mm (Landscape, On Bezel) T/R/L/B : 5.0/13.2/7.8/5.0 mm (Portrait, On Bezel)
	Weight (Head)	5.8 kg (Landscape, Head), 7.0 kg (Portrait, Head), 3.5 kg (Signage Box)
	Packed Weight	17.0 kg (Landscape), 17.6 kg (Portrait)
	Monitor Dimensions (W x H x D)	1224.9 x 696.2 x 38.0 mm (Landscape, Head, w/Pemnut), 701.4 x 1219.7 x 38.0 mm (Portrait, Head, w/Pemnut), 1224.9 x 696.2 x 12.4 mm (Landscape, Head, w/o Pemnut), 701.4 x 1219.7 x 12.4 mm (Landscape, Head, w/o Pemnut), 413 x 353 x 57.3 mm (Signage Box)
Carton Dimensions (W x H x D)	1360 x 842 x 252 mm	
HW Feature	Internal Memory (eMMC)	16 GB
	Temperature Sensor	Yes
	FAN (Built-in)	Yes
SW Feature	OS Ver. (webOS)	webOS4.0
	Local Contents Scheduling	Yes
	Group Manager	Yes
	USB Plug & Play	Yes
	Fail over	Yes
	RS232C Sync	Yes
	Local Network Sync	Yes
	Video Tag	Yes (4)
	Screen Rotation	Yes
	External Input Rotation	Yes
	Gapless Playback	Yes
	Tile Mode Setting	Yes
	Setting Data Cloning	Yes
	SNMP	Yes
	ISM Method	Yes
	Auto Set ID	Yes
	Status Mailing	Yes
	Control Manager	Yes
	Crestron Connected	Yes
	PM mode	Yes
Wake on LAN	Yes	
HDMI-CEC	Yes	
SI Server Setting	Yes	
ProIdiom	Yes	
Scan Inversion	Yes	
Environmental Conditions	Operation Temperature	0 °C to 40 °C
	Operation Humidity	10 % to 80 %
Power	Power Supply	AC 100-240 V, 50 / 60 Hz
	Power Type	Built-In Power
Power Consumption	Typ.	116 W (IEC 62087)
	Max.	318 W
	BTU (British Thermal Unit)	1054 BTU / Hr (Typ.), 1085 BTU / Hr (Max)
	DPM	0.5 W
	Power off	0.5 W
Certification	Safety	CB / NRTL
	EMC	FCC Class "A" / CE / KC
Software Compatibility	ERP / Energy Star	Yes / No
	SuperSign CMS	Yes
	SuperSign Control+	Yes
	SuperSign WB	Yes
	Mobile CMS	Yes
Connected Care	Yes	
Language	OSD	English, French, German, Spanish, Italian, Korean, Chinese (Simplified), Chinese (Original), Portugues (Brazil), Swedish, Finnish, Norwegian, Danish, Russian, Japanese, Portugues (Europe), Dutch, Czech, Greek, Arabic
Accessory	Basic	Remote Controller (include battery 2ea), Power Cord, QSG, IR receiver, Regulation Book, Phone to RS232C Gender, FFC Cables (220 mm x 4ea for connection between panel and Signage box), DP Cable (2 m), LAN Cable (1.5 m), RS232 Cable (4P-4P, 1.5 m), LC Cable (VLC, 3 m), Tape (4EA for Cabling), Screw (M3 x L4.5, 30EA / M3 x L5.5, 50EA / M3 x 3.5, 10EA), Shield Cover Assy', Tiling Set Fixer 6EA, Flex Bar 2EA
Special Feature	Tilt (Face up)	Yes (Max 90 Degree)
	Tilt (Face down)	Yes (Max 90 Degree)

\*Creative Visualization

\*\*Product Images shown are for representative purpose only. Actual product may vary.

As a continuing policy of product development at LG Electronics, the design and specifications are subject to change. They may vary from model to model. Color/shades may vary due to printing restrictions. E&OE.

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