LG | Business Solutions

SPACE WORD SEARCH PUZZLE

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

TR3DK Series

A New Level of Classroom with **LG CreateBoard**™

Genuine Touch & Writing Experience		Built-In Collaboration Software
Easy Connection & Sharing		User Friendly Experience
Security & Compatibility		Remote-control Services

TR3DK Series

Display	Inch	86" / 75" / 65" / 55"
	Native Resolution	3,840 × 2,160 (UHD)
	Brightness (w/o Glass)	440 nits (Max.), 390 nits (Typ.)
Touch	Multi-Touch Point	Max. 40 Points
Connectivity	Input	HDMI (x3, HDCP2.2), RGB (VGA), Audio (3.5mm), RS-232C, RJ45(LAN), USB 3.0 Type A (x4), USB2.0 Type A, USB Type-C (USB-PD, DP-Alt)
	Output	HDMI, Audio Out (Optical 1 (SPDIF)), Touch USB (x2), RJ45 (LAN)

READY TO CREATE

Ruler · Shape · Table · Mind map · Sticky-Notes · ...
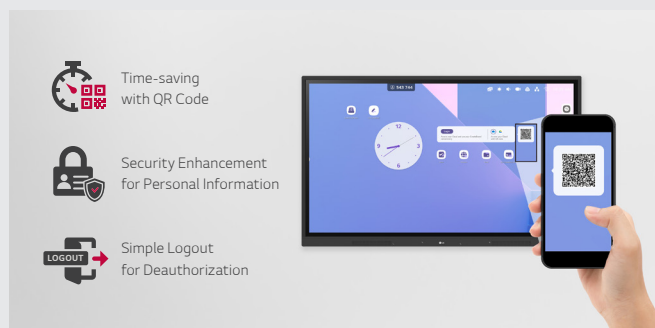
CreateBoard Lab Whiteboarding Software

LG CreateBoard Lab offers a variety of educational templates and teaching tools such as a ruler, table, and sticky notes, allowing for active engagement by students and enabling intuitive classes. Editing images and videos becomes easy with LG CreateBoard, and created resources can be easily shared with others through connected cloud drives.

Precise Touch

LG CreateBoard can simultaneously detect up to 40 points* for multi-touch functionality. This creates a lifelike touch experience, helping students easily become accustomed and truly engage in classes. CreateBoard was designed to facilitate the organic engagement of students.

* A max of 40 points are detected in the Windows environment, a max of 32 points are recognized in the Android environment, and up to 10 points can be recognized in the writing app.

Time-saving with QR Code

Security Enhancement for Personal Information

Simple Logout for Deauthorization

Multiple Window Mode

Picture-in-picture Mode

QR Login for Easy Cloud Access

The QR code on the home screen reduces preparation time for class by enabling personal device verification. Users can run a variety of apps on the LG CreateBoard including Google Drive and OneDrive with just one QR verification without any additional login process. Once a lesson is finished, users can simply click the Logout button to disconnect.

Smart Viewing

The Smart Viewing feature of LG CreateBoard enables efficient teaching. Two or more materials can be displayed on the same screen simultaneously without having to repeat Alt-tab, making teaching more convenient and efficient. Two materials can be displayed side by side (multi window mode), or one material can be overlaid on the other one (picture-in-picture mode).

* Multi window mode may not work for some apps.
* PIP mode is available for the external source screen.

READY TO SHARE
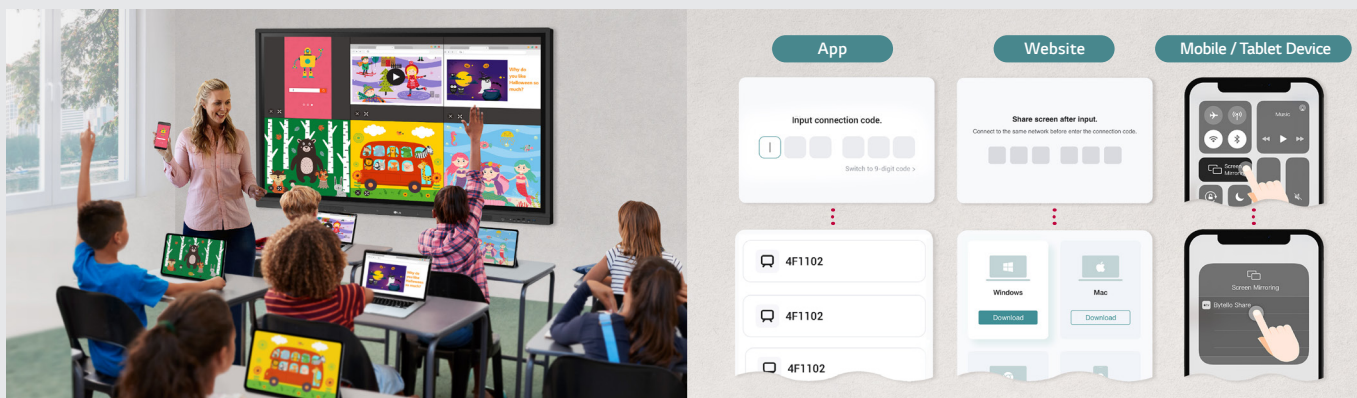
CreateBoard Share Wireless Casting Solution

LG CreateBoard Share enables users to show up to 9 shared screens or a file on a screen in real-time when the LG CreateBoard Share app is installed on the device.* Also, files from the host can be easily sent to any devices connected to the LG CreateBoard Share app, and several quick controls by the host are available.

* LG CreateBoard also supports app-less sharing for PC (via website) and mobile devices within the same network.
For a more stable connection, we recommend the installation of a dedicated app (LG CreateBoard Share).

Data Transmission

Up to 65W Charging

Easy Connection with USB Type-C

USB-C connectivity simplifies connections which enables charging, video, audio, touch and data transmission with just one cable.

* USB Type-C cables are sold separately.
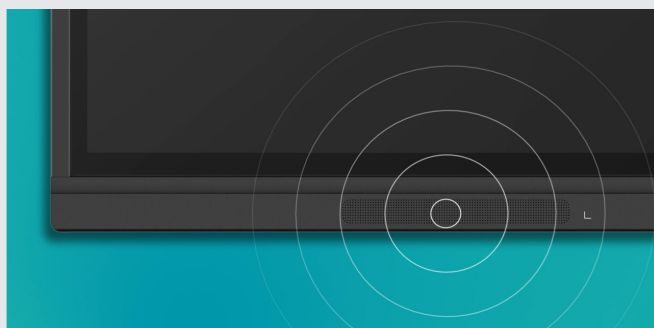
Amazing Sound

For students with hearing loss, powerful speakers can be an essential tool for accessing classroom content. By ensuring that the audio is clear and easy to hear, teachers can ensure that content is more accessible to every student they can participate fully in classroom discussions and activities.
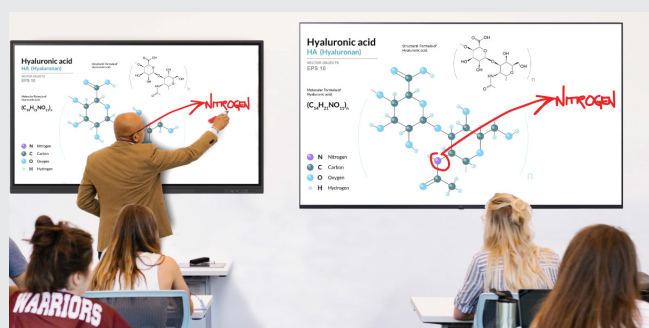
HDMI-out

Displaying content on a larger screen: An interactive display in a classroom is a great tool for sharing content with students. However, sometimes the display itself might not be large enough for everyone in the class to see clearly. In this case, an HDMI-out port allows the teacher to connect the display to a larger screen, such as a projector or a TV. This ensures that everyone in the class can see the content clearly and comfortably.

READY TO MANAGE

LG ConnectedCare DMS

LG ConnectedCare DMS* is a cloud solution for remotely monitoring, controlling, and managing the status of LG CreateBoard installed in educational environments. This feature enables IT managers to operate and manage important resources on operating devices without physically visiting sites.
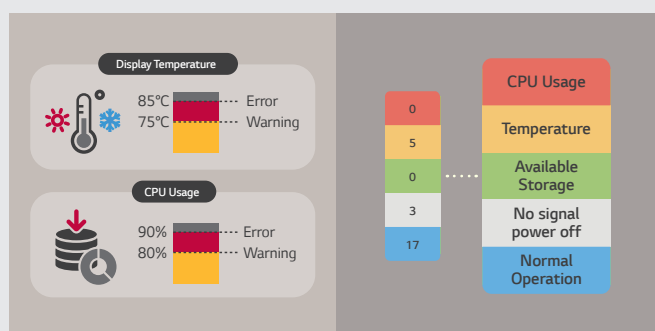

Threshold Settings

Users can set thresholds in eight categories including display temperature, memory usage, or signal, and can receive warning or error notifications based on their threshold settings.

Monitoring & Fault Diagnosis

An engineer can check the status in real-time and diagnose problems remotely. Also, the current status of issues can be categorized, allowing for easy viewing and quick responses.
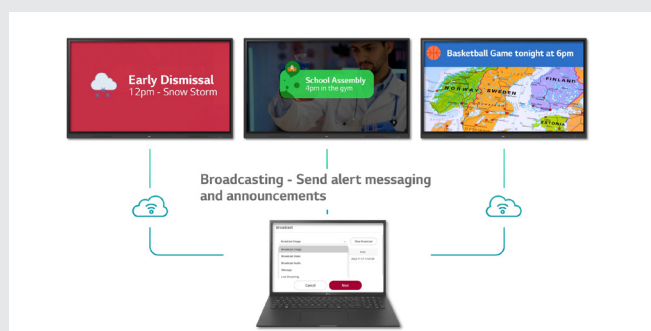
Alert Message & Broadcasting

LG ConnectedCare allows the organization to send alerts, messages, videos, or live streams to the display. When the alert message is sent out to the device, LG CreateBoard interrupts the current display shows the alert information.


App Management

Access the ConnectedCare DMS software remotely via the web-based dashboard at any time to monitor device health, troubleshoot issues, make system updates, and more.



Remote Scheduling & Control

Frequently used controls such as the power on/off, scheduling, brightness, and screen lock functions can be applied remotely. Content including images, videos, audio messages, or live streaming can be remotely shared with connected devices.

OTHER FEATURES

USB Type-C   HDMI   TOUCH   USB
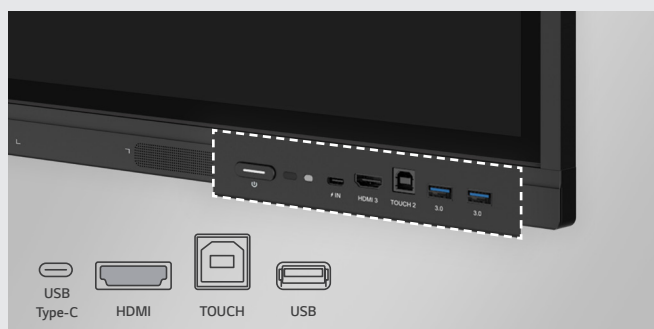
Front Connectivity Design

Front connections allow easy access to connect and disconnect cables and other devices without having to reach around to the back of the display. This saves time and effort, making it easier to set up and adjust the display.
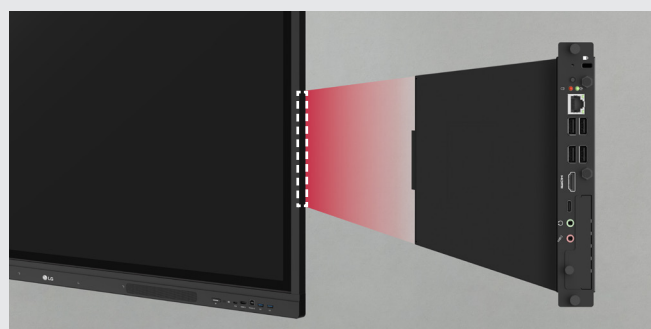

Built-in OPS Slot

The Windows 10 OPS allows using a range of collaboration tools, such as Office 365 or Google G-Suite easily, that can help students and teachers work together more effectively.

* OPS (Open Pluggable Specification) is an optional purchase

Screen Lock

Teachers can lock the screen using the Screen Lock function, and unlock it by entering a password. Users can set the Screen Lock in the Settings menu to protect the device from unidentified users.

Regular Monitor   Reduced Flicker Monitor
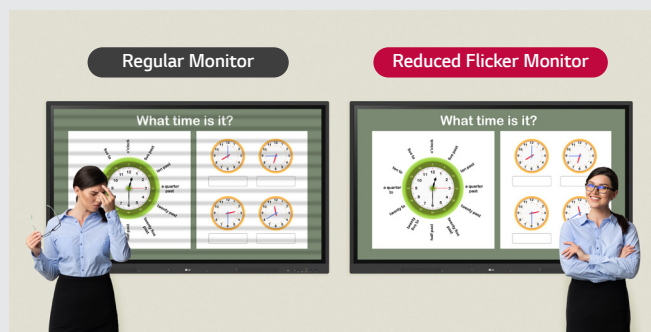
Viewing Comfort

LG CreateBoard has introduced a reduced flicker function. With the reduced flickering of the monitor's backlight, users can use the device with more comfort even when using it for a long time.

ACCESSORIES

CreateBoard Slot-in PC

The CreateBoard features an optional Windows slot-in PC for more flexibility, allowing users to run familiar applications such as Office 365, Google G-Suite, and more.
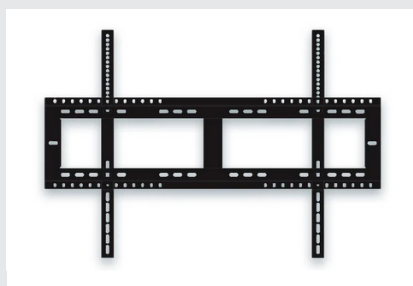
Universal Wall Mount

LG offers a fixed wall mount accessory that allows the display to be securely installed in a variety of environments.
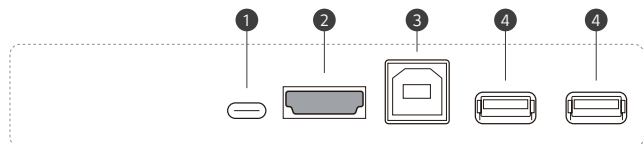

Display Mobile Stand

LG offers a mobile cart for the display, allowing users to more safely transport the display between various rooms.

SPECIFICATIONS

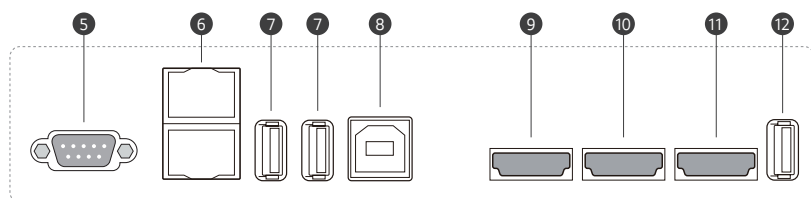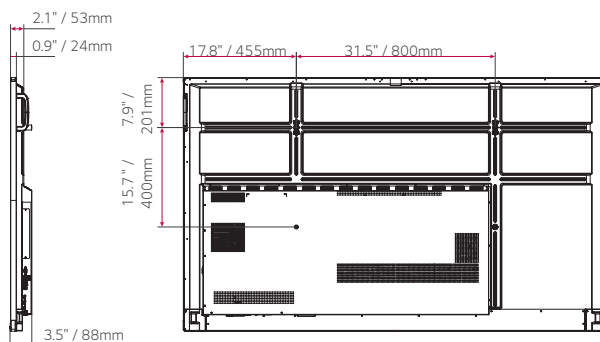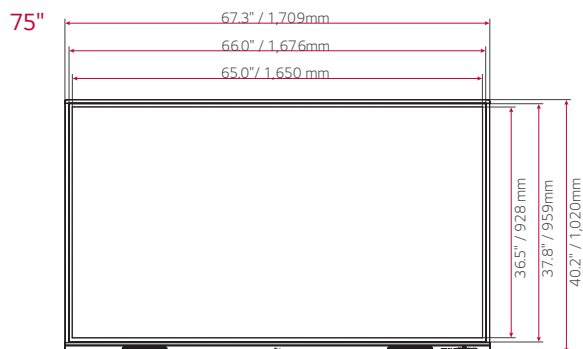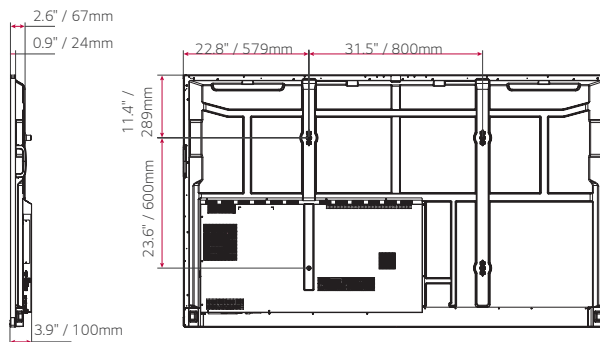|		86TR3DK	75TR3DK	65TR3DK	55TR3DK
DISPLAY	Screen Size	86"	75"	65"	55"
	Panel Technology	IPS	IPS	IPS	IPS
	Resolution	16:9 3840x2160 (4K UHD)	16:9 3840x2160 (4K UHD)	16:9 3840x2160 (4K UHD)	16:9 3840x2160 (4K UHD)
	Refresh Rate	60Hz	60Hz	60Hz	60Hz
	Brightness (With Glass)	350 nits (Typ.), 400 nits (Max)	350 nits (Typ.), 400 nits (Max)	350 nits (Typ.), 400 nits (Max)	350 nits (Typ.), 400 nits (Max)
	Contrast Ratio	1200:1 (static), 5000:1 (Dynamic)	1200:1 (static), 5000:1 (Dynamic)	1200:1 (static), 5000:1 (Dynamic)	1200:1 (static), 5000:1 (Dynamic)
	Viewing Angle (H x V)	178° x 178°	178° x 178°	178° x 178°	178° x 178°
	Response Time	8ms	8ms	8ms	8ms
	Lifetime	Up to 30,000 Hours	Up to 30,000 Hours	Up to 30,000 Hours	Up to 30,000 Hours
	Operation Hours (Hours/Day)	16/7	16/7	16/7	16/7
	Touch Points	40 Point Max Multi-touch (40 Point Max for Windows, 32 Point Max for Android)	40 Point Max Multi-touch (40 Point Max for Windows, 32 Point Max for Android)	40 Point Max Multi-touch (40 Point Max for Windows, 32 Point Max for Android)	40 Point Max Multi-touch (40 Point Max for Windows, 32 Point Max for Android)
	Touch Technology	Infrared	Infrared	Infrared	Infrared
HARDWARE	OS	Android 11	Android 11	Android 11	Android 11
	CPU	Quad core A55	Quad core A55	Quad core A55	Quad core A55
	GPU	Mali G52MP2	Mali G52MP2	Mali G52MP2	Mali G52MP2
	Storage	32GB	32GB	32GB	32GB
	RAM	4GB	4GB	4GB	4GB
	OPS (Open Pluggable Specification)	Yes, Optional	Yes, Optional	Yes, Optional	Yes, Optional
	Speakers	Stereo 15W x 2 Forward-Facing	Stereo 15W x 2 Forward-Facing	Stereo 15W x 2 Forward-Facing	Stereo 15W x 2 Forward-Facing
CONNECTIVITY	Input	HDMI (x3), VGA (x1), Audio-in (x1), RS232X (x1), RJ45 (x1), USB 3.0 (x4), USB 2.0 (x1), USB Type-C with PD (x1)	HDMI (x3), VGA (x1), Audio-in (x1), RS232X (x1), RJ45 (x1), USB 3.0 (x4), USB 2.0 (x1), USB Type-C with PD (x1)	HDMI (x3), VGA (x1), Audio-in (x1), RS232X (x1), RJ45 (x1), USB 3.0 (x4), USB 2.0 (x1), USB Type-C with PD (x1)	HDMI (x3), VGA (x1), Audio-in (x1), RS232X (x1), RJ45 (x1), USB 3.0 (x4), USB 2.0 (x1), USB Type-C with PD (x1)
	Output	HDMI-out (x1), Audio-out (x1), SPDIF (x1), Touch USB (x2), RJ45 (x1)	HDMI-out (x1), Audio-out (x1), SPDIF (x1), Touch USB (x2), RJ45 (x1)	HDMI-out (x1), Audio-out (x1), SPDIF (x1), Touch USB (x2), RJ45 (x1)	HDMI-out (x1), Audio-out (x1), SPDIF (x1), Touch USB (x2), RJ45 (x1)
	Wireless	802.11a/b/g/n/ac/ax (WiFi 6)	802.11a/b/g/n/ac/ax (WiFi 6)	802.11a/b/g/n/ac/ax (WiFi 6)	802.11a/b/g/n/ac/ax (WiFi 6)
	Bluetooth	5.0	5.0	5.0	5.0
	Ethernet	Gigabit LAN	Gigabit LAN	Gigabit LAN	Gigabit LAN
BUILT-IN SOFTWARE	Collaboration	LG CreateBoard Lab, Note 2.0	LG CreateBoard Lab, Note 2.0	LG CreateBoard Lab, Note 2.0	LG CreateBoard Lab, Note 2.0
	Casting	LG CreateBoard Share	LG CreateBoard Share	LG CreateBoard Share	LG CreateBoard Share
	Management	LG ConnectedCare DMS	LG ConnectedCare DMS	LG ConnectedCare DMS	LG ConnectedCare DMS
	Productivity	OfficeSuite	OfficeSuite	OfficeSuite	OfficeSuite
MECHANICAL	Weight (Net)	129.2 lbs / 58.6 kg	104.3 lbs / 47.3kg	77.2 lbs / 35.0 kg	57.6 lbs / 26.1 kg
	Weight (Package)	167.3 lbs / 75.9 kg	133.6 lbs / 60.6 kg	98.6 lbs / 44.7 kg	76.1 lbs / 34.5 kg
	Dimension (W x H x D) (Net)	77.0 X 45.7 x 3.9 in 1957 × 1160 × 100 mm	67.3 x 40.2 x 3.5 in 1709 × 1020 × 88 mm	58.6 x 35.3 x 3.5 in 1489 × 897 × 88 mm	50.0 x 30.5 x 3.4 in 1271 × 774 × 87 mm
	Dimensions (W x H x D) (Paclage)	83.1 x 50.5 x 8.9 in 2110 × 1283 × 225 mm	"73.4 x 44.9 x 8.9 in 1863 × 1140 × 225 mm"	"64.1 x 39.6 x 8.2 in 1628 × 1005 × 208 mm"	55.2 x 33.8 x 8.7 in 1401 × 859 × 220 mm
	VESA™ Mount Compatilbe	800 × 600	800 x 400	600 x 400	400 x 200
ENVIRONMENT	Operation Temperature	32°F to 104°F 0℃ to 40℃	32°F to 104°F 0℃ to 40℃	32°F to 104°F 0℃ to 40℃	32°F to 104°F 0℃ to 40℃
	Operation Humidity	10% to 90% RH	10% to 90% RH	10% to 90% RH	10% to 90% RH
ELECTRICAL	Power Supply	100-240 Vac, 50/60Hz, 5.5A	100-240 Vac, 50/60Hz, 5.5A	100-240 Vac, 50/60Hz, 5.5A	100-240 Vac, 50/60Hz, 5.5A
	Typical Power Consumption	385 W	225 W	220 W	170 W
	Max Power Consumption	580 W	430 W	420 W	395 W
	Standby Power Consumption	≤0.5 W	≤0.5 W	≤0.5 W	≤0.5 W

CONNECTIVITY

Front

① ② ③ ④ ④

Bottom

⑬ ⑭ ⑯ ⑰ ⑱

⑮

Side

⑤ ⑥ ⑦ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫

① USB Type-C	⑦ USB 3.0	⑬ SPDIF
② HDMI 3	⑧ TOUCH 1	⑭ AUDIO OUT
③ TOUCH 2	⑨ HDMI 1	⑮ AUDIO IN
④ USB 3.0	⑩ HDMI 2	⑯ VGA
⑤ RS-232C	⑪ HDMI OUT	⑰ SWITCH
⑥ LAN	⑫ USB 2.0	⑱ POWER

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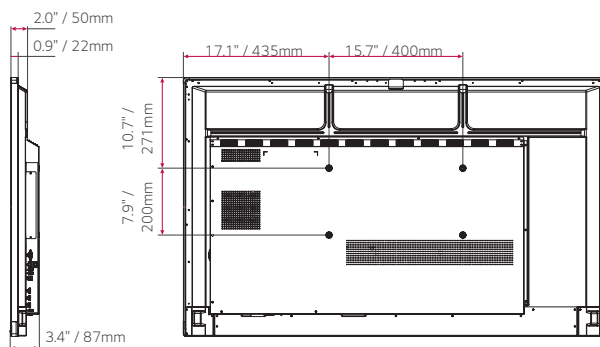
DIMENSIONS

86"
77.0" / 1,957mm
75.7" / 1,924mm
74.7" / 1,897mm
42.0" / 1,068mm
43.2" / 1,098mm
45.7" / 1,160mm
2.6" / 67mm
0.9" / 24mm
22.8" / 579mm
31.5" / 800mm
11.4" / 289mm
23.6" / 600mm
3.9" / 100mm

75"
67.3" / 1,709mm
66.0" / 1,676mm
65.0" / 1,650 mm
36.5" / 928 mm
37.8" / 959mm
40.2" / 1,020mm
2.1" / 53mm
0.9" / 24mm
17.8" / 455mm
31.5" / 800mm
7.9" / 201mm
15.7" / 400mm
3.5" / 88mm

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

DIMENSIONS

65"

58.6" / 1,488mm
57.4" / 1,458mm
56.2" / 1,428mm

31.7" / 804mm
33.0" / 838mm
35.3" / 897mm

2.0" / 51mm
0.9" / 24mm

17.5" / 444mm   23.6" / 600mm

8.7" / 222mm
15.7" / 400mm

3.5" / 88mm

55"

50.0" / 1,271mm
48.5" / 1,233mm
47.6" / 1,210mm

26.8" / 680mm
27.9" / 709mm
30.5" / 774mm

2.0" / 50mm
0.9" / 22mm

17.1" / 435mm   15.7" / 400mm

10.7" / 271mm
7.9" / 200mm

3.4" / 87mm

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