

DISPLAY TYPE

Screen Type	4K OLED
Screen Size (inch)	42
Resolution	4K Ultra HD (3,840 x 2,160)
Wide Color Gamut	OLED Color
Dynamic Tone Mapping	Yes (OLED Dynamic Tone Mapping Pro)
Perfect Black	Yes
Dimming Technology	Pixel Dimming
TruMotion / Refresh Rate	120Hz Native

PICTURE QUALITY

Processor	α 9 AI Processor 4K Gen6
AI Picture / Pro	AI Picture Pro
AI Upscaling	AI Super Upscaling 4K
Auto Genre Selection	Yes (SDR/HDR)
AI Brightness Control	Yes
HDR	Dolby Vision / HDR10 / HLG
HFR	4K 120 fps (HDMI, USB)
FILMMAKER MODE™	Yes
Motion Pro	OLED Motion
HEVC (Video Decoder)	4K@120P, 10bit

VP9 (Video Decoder)	4K@60p, 10bit
AV1	4K@60p, 10bit
G-Sync Compatible (Nvidia)	Yes
FreeSync Compatible (AMD)	Yes
HGIG Mode	Yes
Game Optimizer	Yes (Game Dashboard)
Picture Mode	10 modes (Personalized Picture Wizard, Vivid, Standard, Eco, Cinema, Sports, Game, Filmmaker, (ISF)Expert(Bright Room), (ISF)Expert(Dark Room))

SOUND QUALITY

Speaker (Sound Output)	20W
Woofer / per Channel Output	10W per Channel
Channel	2.0 channel
Direction	Down Firing
DOLBY ATMOS	Yes
AI Sound / Pro	AI Sound Pro (Virtual 9.1.2 Up-mix)
AI Acoustic Tuning	Yes
Clear Voice	Yes
Bluetooth Surround Ready	Yes (2 Way Playback)
WiSA Ready	Yes (Up to 2.1 Channel)
LG Sound Sync	Yes
Sound Mode Share	Yes

Audio Codec	AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X (Refer to manual)
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SMART FEATURE

ThinQ	Yes
Intelligent Voice Recognition	Yes
Works with Hey Google	Yes (Differ by region)
Works with Apple Home	Yes (Differ by region)
Works with Apple Airplay2	Yes (Differ by region)
AI Recommendation	Yes
Intelligent Edit	Yes
Hands-free Voice Control	Yes
AI Home	Yes
Home Hub	Yes
Home Office	Yes
Magic Remote Control	Built-In
Multi View	Yes
Room to Room Share	Yes (Sender/Receiver)
Smartphone Remote App	Yes (LG ThinQ)
AI Concierge	Yes
Operating System (OS)	webOS 23
Number of CPUs	Quad
Amazon Alexa	Yes (Built-in)

Art Gallery	Yes
App Store	Yes (App)
Web Browser	Yes
Music Service	Yes
Always Ready	Yes
Sports Alert	Yes
Family settings	Yes

BROADCASTING SYSTEM

Digital TV Reception(Terrestrial,Cable,Satellite) Yes

Terrestrial DVB-T2/T

Cable DVB-C

Analog TV Reception Yes

Data Broadcasting (Country Spec) Yes

CONNECTIVITY

HDMI Input 4ea (supports 4K 120Hz, eARC, VRR, ALLM as specified in HDMI 2.1 (2 port))

Simplink (HDMI CEC) Yes

eARC / ARC (Audio Return Channel) ARC (HDMI 2)

USB Input 3ea (v 2.0)

RF In 2ea

SPDIF (Optical Digital Audio Out) 1ea

Wi-Fi	Wi-Fi (Wi-Fi 5)
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Bluetooth Support	Yes (v 5.0)
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POWER

Power Supply	AC 100~240V 50-60Hz
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Standby Power Consumption	Under 0.5W
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Energy Saving Mode	Yes
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Illuminance Green sensor	Yes (Differ by region)
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Energy Standard	Yes (Differ by region)
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WEIGHT/DIMENSIONS

Weight without Stand (kg)	9.8
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Weight with Stand (kg)	10.1
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Size without Stand (WxHxD mm)	932 x540x 41.1
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Size with Stand (WxHxD mm)	932 x577x 170
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ACCESSORY

Remote	Magic Remote
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Batteries	Yes (AA x 2EA)
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Power Cable	Yes (Attached)
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WALL MOUNT

VESA Size (HxV mm)	300x200
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LG bracket Model (Optional)	OLW480B
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