Wallpaper TV LG OLED evo AI W6 4K Smart TV 2026



83" 77"

The Ultimate Wireless Wallpaper TV Experience Completely redefine your living space with the LG OLED evo AI W6. Engineered as a true "Wallpaper TV," the W6 features a staggeringly thin 9.95mm display with the power board and speakers seamlessly integrated. Powered by the alpha 11 AI Processor 4K Gen3 and accompanied by the innovative Zero Connect Box for wire-free A/V transmission, this TV delivers up to 3.9x higher peak brightness, Reflection Free Premium anti-glare technology, and a massive 165Hz VRR for elite gaming--all while sitting virtually flush against your wall.

- Design: Wallpaper TV Design (9.95mm thick) with Zero Connect Box (Wireless A/V transmission)
- Processor: alpha 11 AI Processor 4K Gen3
- Brightness: Up to 3.9X Brighter than conventional OLEDs
- Anti-Glare: Reflection Free Premium Certified
- Gaming Features: Native 120Hz (Up to 165Hz VRR), <0.1ms response time, NVIDIA G-Sync & AMD FreeSync Compatible
- Audio: 60W 4.2 Channel Down-Firing Speakers with Dolby Atmos & WOW Orchestra

The Impossible 9.95mm Wallpaper Design Step into the future of home theater aesthetics with the LG OLED evo AI W6. This isn't just a TV; it's an architectural marvel. The entire screen measures an astonishing 9.95mm thick, with the power board and speakers seamlessly integrated directly into the display. Thanks to the included Zero Connect Box, your video and audio signals are transmitted to the TV entirely wirelessly. You can hide all your consoles and cable boxes away in a cabinet, leaving the Wallpaper TV to sit perfectly flush against your wall with no messy wires in sight.

Breathtaking Brightness & Reflection Free Premium Equipped with a cutting-edge 4K OLED panel, the W6 pushes the limits of illumination, achieving up to 3.9 times higher peak brightness compared to conventional OLED displays. Coupled with LG's Intertek-certified Reflection Free Premium coating, the W6 ensures that glare from sunlight or indoor lighting won't distract you. Enjoy 100% Color Fidelity, Perfect Black, and absolute clarity at any time of day.

Powered by the alpha 11 AI Processor 4K Gen3 The brain driving this masterpiece is the state-of-the-art alpha 11 AI Processor. It features AI Picture Pro with Super Upscaling 4K and Dynamic Tone Mapping Ultra to optimize every single frame. On the audio side, the processor leverages alpha 11 AI Sound Pro to create a multi-dimensional Virtual 11.1.2 channel up-mix. Clear Voice Pro ensures you never miss a word of dialogue, while Dolby Atmos fills your room with cinema-quality sound from the built-in 60W 4.2 channel down-firing speakers.

Elite 165Hz Cloud Gaming The W6 is built for the hardcore gamer. Experience blistering speeds with a native 120Hz refresh rate that pushes up to an incredible 165Hz VRR in 4K. Say goodbye to lag with a response time of less than 0.1ms. Fully equipped with NVIDIA G-Sync, AMD FreeSync, and Auto Low Latency Mode (ALLM), you are guaranteed tear-free, buttery-smooth gameplay. Real-time adjustments are made effortless through the Game Dashboard.

Intelligent Sensors & Smart Home Hub The TV acts as an intelligent centerpiece for your home. It features built-in Motion Sensors that detect your presence, intelligently switching modes when you enter or leave the room. Auto Brightness Control automatically adjusts the screen output based on the ambient lighting in your environment. Control all of your smart devices via the Home Hub, utilizing the included AI Magic Remote with Far Field Voice Recognition for instant, hands-free commands. When not watching TV, Gallery Mode lets you display curated artworks to complement your decor.

Technical Specifications:

- Display Type: 4K OLED (3,840 x 2,160 Resolution)
- Design Engine: Ultra-thin 9.95mm display with Zero Connect Box
- Refresh Rate: 120Hz Native (Up to 165Hz VRR)
- Processor: alpha 11 AI Processor 4K Gen3
- HDR Format Support: Dolby Vision, HDR10, HLG
- Audio: 60W, 4.2 Channel Audio, Dolby Atmos, WOW Orchestra compatible
- Connectivity (Via Zero Connect Box): 4x HDMI Inputs (4K 120Hz, eARC, VRR, ALLM), 2x USB 2.0, Wi-Fi 5, Bluetooth 5.3
- Smart UI: webOS with LG Channels and Multi-AI Search

Technical Specifications

PICTURE (DISPLAY)	
Backlight Type	OLED evo
Brightness Booster	Brightness Booster Ultra
Display Resolution	4K UHD
Display Screen Size	77", 83"
Display Type	OLED evo
Immersive Design	Wallpaper Design
Perfect Black	Yes
Refresh Rate	120Hz Native
Stand Type Included	WallMount
Wide Colour Gamut	Perfect Colour
PICTURE (PROCESSING)	
4K Expression Enhancer	Yes
AI Brightness Control	Yes
AI Genre Selection	Yes (SDR/HDR)
AI Picture Pro	Yes
AI Upscaling	alpha 11 AI Super Upscaling 4K
Auto Calibration	Yes
AV1 (Video Decoder)	4K@60p, 10bit
CPUs	Quad
Dimming Technology	Pixel Dimming

PICTURE (PROCESSING) (cont.)	
Dynamic Tone Mapping	Dynamic Tone Mapping Ultra
FILMMAKER MODE	Yes
HDR Expression Enhancer	Yes
HDR (High Dynamic Range)	Dolby Vision, HDR10, HLG
HEVC	4K@120p, 10bit
HFR (High Frame Rate)	4K 120 fps (HDMI, USB)
Motion	OLED Motion
Picture Mode	9 modes (Vivid, Standard, Eco, Cinema, Sports, Game, Filmmaker, ISF Expert Bright Room, ISF Expert Dark Room.)
Picture Processor	alpha 11 AI Processor 4K Gen3
QMS (Quick Media Switching)	Yes
VP9 (Video Decoder)	4K@60p, 10bit
GAMING	
ALLM (Auto Low Latency Mode)	Yes
Dolby Vision for Gaming	Yes
FreeSync Compatible (AMD)	Yes
G-Sync Compatible (Nvidia)	Yes
Game Optimizer	Yes (Game Dashboard)
HGIG Mode	Yes
Response Time	Less than 0.1ms

GAMING (cont.)	
VRR (Variable Refresh Rate)	Up to 165Hz
SMART TV	
AI Agent	Yes
AI Chatbot	Yes
AI Concierge	Yes
AI Recommendation	Yes
Always Ready	Yes
App Store	Yes (App)
Full Web Browser	Yes
Google Home / Hub	Yes
Hands-free Voice Control	Yes
Home	Yes
Home Hub	Yes (LG ThinQ)
Home Office	Yes
Intelligent Voice Recog.	Yes
LG Channels	Yes
Multi View	Yes
Music Service	Yes
Operating System (OS)	webOS 26
Smartphone Remote App	Yes (LG ThinQ)

*Product specifications are subject to change without notice. Visit www.lg.com/ca_en for the most current information.

Technical Specifications (cont.)

SMART TV (cont.)	
Sports	Yes
Tips	Yes
Usage Care	Yes
USB Camera Compatible	Yes
Works with Apple Airplay	Yes
Works with Apple Home	Yes
Works with Hey Google	Yes
Works with Naver Clova	No
AUDIO	
AI Acoustic Tuning	Yes
AI Sound	alpha 11 AI Sound Pro (Virtual 11.1.2 Up-mix)
Audio Codec	AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X (Refer to manual)
Audio Output	60W
Bluetooth Surround Ready	Yes (1 Way Playback)
Clear Voice Pro	Yes (AI Object Remastering Ultra)
Dolby Atmos	Yes
LG Sound Sync	Yes
Simultaneous Audio Output	Yes
Sound Mode Share	Yes
Speaker Direction	Down Firing
Speaker System	4.2 channel
Woofer / per Channel Output	WF : 20W, 10W per Channel
WOW Orchestra	Yes
WOWCAST	Yes
BROADCASTING	
AD (Audio Description)	Yes
Analog TV Reception	Yes
[ATSC] Closed Caption	Yes
CI + (Common Interface)	No

BROADCASTING (cont.)	
Data Broadcasting	No
Digital TV Reception	ATSC1.0 (Terrestrial), QAM (Cable)
[DVB] Subtitle	No
EPG (8days)	Yes
Multi Tuner	No
Teletext Page	No
Teletext (Top/Flof/List)	No
CONNECTIVITY	
Bluetooth Support	v 5.3
CI Slot	No
Ethernet Input	1ea
HDMI Audio Return Channel	eARC (HDMI 3)
HDMI Input	HDMI 2.1 - 4ea (supports 4K 120Hz, eARC, VRR, ALLM, QMS, QFT (4 port))
Headphone output	No
IR Blaster	Yes
Line out	No
Optical Digital Audio Out	1ea
RF Input (Antenna/Cable)	1ea
RS-232C Input (Min Jack)	Yes
Simplink (HDMI CEC)	Yes
USB Input	2ea (v 2.0)
Wi-Fi	Wi-Fi 5
ACCESSIBILITY	
Gray Scale	Yes
High Contrast	Yes
POWER	
Energy saving Mode	Yes
Energy Standard	Yes
ENERGY STAR® Qualified	No

POWER (cont.)	
Illuminance Green sensor	Yes
Power Supply (Voltage, Hz)	AC 120V, 50/60Hz
Standby Power Consumption	Under 0.5W
ACCESSORIES INCLUDED	
IR Blaster Cable	Yes
Power Cable	Head - Yes (Attached) / Zero Connect Box - Adaptor (Detachable)
Remote	AI Magic Remote MR26
Remote Control Batteries	Yes (AAA X 2EA)
ADDITIONAL FEATURE	
Content Partners English	LG Channels, Netflix, Prime Video, Disney+, Crave, TSN, CBC GEM, Apple TV, Paramount+, Youtube, Apple Music, Spotify and more
Content Partners French	LG Channels, Netflix, Prime Video, Disney+, Crave, RDS, ICI TOU.TV, Apple TV, Paramount+, Youtube, Apple Music, Spotify and more
DAFC (Dolby Atmos FlexConnect)	Yes
Digital Recording	No
Gemini	Yes
Hyper Radiant Colour	Yes
Invert Colours	Yes
OSD Language	4 language (webOS) (/English/Espanol/Français)
QFT (Quick Frame Transport)	Yes
Reflection Free	Yes (Reflection Free Premium)
Time Machine (DVR)	No
Time Shift	No
Watch & Record	No

Dimensions (W x H x D), Weights & Power

Size	Packaging WxHxD	w/ Stand WxHxD	w/o Stand WxHxD	Stand WxD	Pkg Wt lbs	w/ Stand lbs	w/o Stand lbs	VESA mm	Typical Power W	Yearly Energy kWh
83"	79.9" x 43.7" x 7.7"	--	72.6" x 41.8" x 0.4"	--	77.2 lbs	--	49.6 lbs	--	246.6 W	453 kWh/y
77"	74.3" x 46.5" x 7.7"	--	67.4" x 38.9" x 0.4"	--	73.0 lbs	--	44.5 lbs	--	225.6 W	414 kWh/y

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