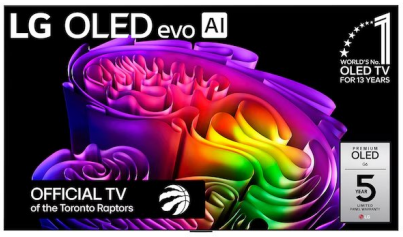
LG OLED evo AI G6W 4K Smart TV 2026



97" | 83" | 77" | 65" | 55"

Experience LG's Brightest and Most Advanced OLED Yet The 2026 LG OLED evo AI G6 series pushes the boundaries of home theater and gaming with the revolutionary alpha 11 AI Processor 4K Gen3 and Brightness Booster Ultra. Designed to sit completely flush against your wall like a piece of art, the G6 delivers breathtaking perfect blacks, infinitely rich contrast, and uncompromised color--even in bright rooms, thanks to Reflection Free Premium technology.

- Available Sizes: 55", 65", 77", 83", and 97"
- Processor: Next-Gen alpha 11 AI Processor 4K Gen3 with Dual AI Engine
- Display: 4K OLED with Brightness Booster Ultra & Perfect Black
- Anti-Glare: Reflection Free Premium Certified
- Gaming: Native 120Hz (up to 165Hz VRR), G-SYNC Compatible, FreeSync Premium, 0.1ms response time
- Smart Hub: Award-winning webOS with Multi-AI Search (powered by Google Gemini & Microsoft Copilot)
- Design: Flush-fit Wall Mount Gallery Design (hangs with virtually no gap)

A New Masterpiece for Your Living Room Elevate your home entertainment with the ultimate display of light, color, and design. The 2026 LG OLED evo AI G6 series represents the pinnacle of LG's decade-long OLED expertise. Available in a wide range of sizes (55", 65", 77", 83", and 97") to fit any premium home theater, the G6 hangs flush against your wall like a true work of art, merging uncompromising aesthetic beauty with unmatched visual performance.

Hyper Radiant Color Tech & Brightness Booster Ultra Behold LG's brightest OLED yet. Powered by the all-new Light Boosting Algorithm and Light Control Architecture, Brightness Booster Ultra significantly amplifies peak brightness. Combined with Perfect Black and Perfect Color, every scene bursts with lifelike realism and stunning depth. Whether you are watching a dark thriller or bright, fast-paced sports, the picture remains flawless.

Reflection Free Premium Certified Say goodbye to distracting glare. The G6 features LG's advanced Reflection Free Premium technology, minimizing screen reflections from windows and ambient lighting without compromising deep black levels or color saturation. Your picture remains impeccably clear, no matter what time of day it is.

Next-Gen alpha 11 AI Processor 4K Gen3 At the heart of the TV is the fastest, most powerful processor LG has ever created. Featuring a Dual AI Engine, it boasts unparalleled graphical performance and seamless menu navigation.

- AI Picture Pro: Analyzes faces, objects, and genres in real-time, utilizing Dynamic Tone Mapping Ultra and AI Super Upscaling to breathe 4K clarity into everything you watch.
- AI Object Remastering Ultra & Virtual 11.1.2 Ch Surround: Automatically balances dialogue, background tracks, and effects so voices come through crystal clear, even in noisy scenes. AI Sound wraps the audio around your room for deeply immersive, multi-dimensional listening.

Advanced AI Search & webOS Welcome to the future of the smart TV experience. The acclaimed webOS includes Multi-AI Search, seamlessly integrating with Google Gemini and Microsoft Copilot. Just use the AI button on your remote to unlock an ultra-personalized AI Hub. Enjoy curated content via AI Concierge, manage your smart home devices through Smart Connectivity, and keep your personal data secure with LG Shield.

Flush-Fit Gallery Design With its exceptionally slim profile and included flush wall mount, the LG G6 practically disappears into your wall. When you're done watching, switch on LG Gallery+ or Gallery Mode to display breathtaking curated artwork, moving ambient videos, or your own Google Photos, beautifully complementing your interior design.

Unbeatable 4K Cloud Gaming Gamers rejoice. The G6 transforms into your ultimate gaming monitor with native 120Hz refresh rates that scale up to 165Hz VRR. Enjoy less than a 0.1ms response time, NVIDIA G-SYNC compatibility, and AMD FreeSync Premium for buttery-smooth, tear-free gameplay. Access the LG Gaming Portal to instantly stream thousands of titles via NVIDIA GeForce NOW, and tailor your picture in real-time using the dedicated Game Dashboard & Optimizer.

Peace of Mind Included LG stands by its premium OLED evo technology. Enjoy your investment with confidence thanks to the included 5-Year Limited Panel Warranty, guaranteeing reliable and worry-free coverage.

Specifications at a Glance:

- Panel Type: 4K OLED evo
- Sizes: 55" (OLED55G6W), 65" (OLED65G6W), 77" (OLED77G6W), 83" (OLED83G6W), 97" (OLED97G6W)
- Refresh Rate: 120Hz Native (Up to 165Hz VRR)
- Processor: alpha 11 AI Processor 4K Gen3
- HDR: AI HDR Remastering, Dolby Vision
- Mounting: Flush-Fit Wall Mount Included (VESA Compatible)

Technical Specifications

PICTURE (DISPLAY)	
Backlight Type	OLED evo
Brightness Booster	97" : Brightness Booster, Brightness Booster Ultra
Display Resolution	4K UHD
Display Screen Size	55", 65", 77", 83", 97"
Display Type	OLED evo
Immersive Design	Flush-Fit Gallery 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

PICTURE (PROCESSING) (cont.)	
AV1 (Video Decoder)	4K@60p, 10bit
CPUs	Quad
Dimming Technology	Pixel Dimming
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

GAMING (cont.)	
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
VRR (Variable Refresh Rate)	97": Yes (Up to 120Hz), 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

*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.)	
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)
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

AUDIO (cont.)	
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
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 2)
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

CONNECTIVITY (cont.)	
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	97": No, Yes
Illuminance Green sensor	Yes
Power Supply (Voltage, Hz)	AC 120V, 50/60Hz
Standby Power Consumption	Under 0.5W

ACCESSORIES INCLUDED	
IR Blaster Cable	No
Power Cable	Yes (Attached)
Remote	AI Magic Remote MR26
Remote Control Batteries	Yes (AAA X 2EA)

ADDITIONAL FEATURE	
AI Magic Remote Control	Built-In
Content Partners English	LG Channels, Netflix, Prime Video, Disney+, Crave, TSN, CBC GEM, Apple TV, Paramount+, Youtube, Apple Music, Spotify and more
DAFC (Dolby Atmos FlexConnect)	Yes
Digital Recording	No
Gemini	Yes
Hyper Radiant Colour	Yes
pa_invert-colors	485
OSD Language	4 language (webOS) (/English/Espanol/Français)
QFT (Quick Frame Transport)	Yes
Reflection Free	97" : No, 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
97"	93.1" x 60.2" x 13.2"	84.8" x 64.1" x 22.8"	84.8" x 48.4" x 1.1"	65.3" x 22.8"	209.4 lbs	142.6 lbs	125.7 lbs	600 x 400	--	--
83"	88.6" x 47.5" x 12.8"	72.7" x 43.9" x 12.6"	72.7" x 41.6" x 1.1"	19.7" x 12.6"	131.0 lbs	96.8 lbs	82.0 lbs	400 x 400	--	--
77"	83.2" x 44.5" x 13.8"	67.4" x 40.9" x 12.6"	67.4" x 38.7" x 1.0"	19.7" x 12.6"	117.5 lbs	87.5 lbs	72.8 lbs	300 x 300	--	--
65"	63.0" x 38.2" x 6.8"	56.7" x 34.1" / 35.8" x 10.4"	56.7" x 32.5" x 1.0"	19.1" x 10.4"	75.2 lbs	60.2 lbs	48.5 lbs	300 x 300	--	--
55"	53.5" x 31.9" x 6.8"	48.1" x 29.2" / 31.0" x 10.4"	48.1" x 27.7" x 1.1"	19.1" x 10.4"	59.7 lbs	48.7 lbs	37.0 lbs	300 x 200	--	--

