LG OLED evo AI C6P 4K Smart TV 2026



65" 55" 48" 42"

The Sweet Spot of OLED Performance and Value Experience the evolution of picture quality with the 2026 LG OLED evo AI C6 PUA Series. Powered by the incredibly advanced alpha 11 AI Processor 4K Gen3 and featuring Brightness Booster technology, this display delivers luminous, lifelike pictures with breathtaking perfect blacks and infinite contrast. Whether you are building a cinematic home theater or a high-end gaming setup, the C6 offers elite performance with up to 165Hz VRR and highly tailored personalized AI recommendations powered by LG ThinQ.

- Available Sizes: 42", 48", 55", 65"
- Processor: alpha 11 AI Processor 4K Gen3
- Display Technology: 4K OLED evo with Brightness Booster & Perfect Black
- Gaming Features: Native 120Hz (Up to 165Hz VRR), <0.1ms response time, NVIDIA G-Sync & AMD FreeSync Premium
- Smart UI: webOS 26 with LG ThinQ for personalized AI recommendations
- Audio: 40W 2.2 Channel Speakers with Dolby Atmos & alpha 11 AI Sound Pro

The Next Generation of OLED evo Transform your entertainment space with the award-winning performance of the 2026 LG OLED evo AI C6 PUA series. Available in a comprehensive range of sizes from a compact 42-inch up to an immersive 83-inch, the C6 series is perfectly tailored to fit any room or setup. Its ultra-slim design features barely-there bezels, allowing the screen to seamlessly blend into your living space while delivering uncompromising visual fidelity.

Brightness Booster & Unmatched Contrast See every detail, day or night. The C6 utilizes LG's renowned OLED evo panel paired with Brightness Booster technology to deliver a brilliantly illuminated picture. Because the OLED pixels are self-lit, they can turn off completely to achieve Perfect Black. This creates an infinite contrast ratio, allowing HDR highlights to pop with intense realism, while shadows maintain perfect, nuanced detail.

Intelligent Processing Powered by the alpha 11 AI Engine The stunning visual quality of the C6 is driven by the state-of-the-art alpha 11 AI Processor 4K Gen3.

- AI Picture Pro: Analyzes what you're watching in real-time, using AI Super Upscaling and Dynamic Tone Mapping to enhance clarity, color, and depth across all types of content.
- alpha 11 AI Sound Pro: Creates an incredibly immersive audio environment by up-mixing the built-in 40W 2.2 channel speakers into a Virtual 11.1.2 surround sound experience. Clear Voice Pro ensures you never struggle to hear dialogue, while Dolby Atmos delivers spatial audio that flows around you.

The Ultimate Hub for Competitive Gaming If you play to win, the C6 is your ultimate weapon. The display natively supports 120Hz, pushing up to an incredible 165Hz VRR in 4K for ultra-smooth, responsive gameplay. Armed with four full-bandwidth HDMI 2.1 ports, an ultra-low 0.1ms response time, and full compatibility with both NVIDIA G-Sync and AMD FreeSync Premium, you can enjoy tear-free, stutter-free action. The built-in Game Dashboard makes adjusting real-time settings effortless.

A Smarter TV with webOS 26 & LG ThinQ Navigating your favorite content is faster and more intuitive than ever. The updated webOS 26 interface uses LG ThinQ to offer personalized AI recommendations based strictly on your viewing habits, helping you find what you love without endless scrolling. Control your TV and smart home ecosystem effortlessly with the included AI Magic Remote, all while your data and privacy remain fully protected by the robust, hardware-level security of LG Shield.

Technical Specifications:

- Model Series: C6PUA (Available in 42", 48", 55", 65")
- Display Type: 4K OLED evo (3,840 x 2,160 Resolution)
- Refresh Rate: 120Hz Native (Up to 165Hz VRR)
- Processor: alpha 11 AI Processor 4K Gen3
- HDR Format Support: Dolby Vision, HDR10, HLG, FILMMAKER MODE(TM)
- Audio: 40W, 2.2 Channel Down-Firing Speakers, Dolby Atmos, WOW Orchestra compatible
- Connectivity: 4x HDMI 2.1 (supports 4K 120Hz, eARC, VRR, ALLM), 3x USB 2.0, Wi-Fi 5, Bluetooth 5.3
- Smart Platform: webOS 26 with LG ThinQ and LG Shield Security

Technical Specifications

PICTURE (DISPLAY)	
Backlight Type	OLED evo
Brightness Booster	Brightness Booster
Display Resolution	4K UHD
Display Screen Size	42", 48", 55", 65"
Display Type	OLED evo
Immersive Design	OLED Slim
Perfect Black	Yes
Refresh Rate	120Hz Native
Stand Type Included	Table Stand
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	OLED 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

GAMING (cont.)	
Response Time	Less than 0.1ms
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

*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.)	
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	40W
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	2.2 channel
Woofer / per Channel Output	42" : 10W per Channel, WF : 20W, 10W per Channel
WOW Orchestra	Yes
WOWCAST	Yes
BROADCASTING	
AD (Audio Description)	Yes

BROADCASTING (cont.)	
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	1ea, 65", 55" : No
IR Blaster	Yes
Line out	1ea, 65", 55" : 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	

POWER (cont.)	
Energy saving Mode	Yes
Energy Standard	Yes
ENERGY STAR® Qualified	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	No
Invert Colours	Yes
OSD Language	4 language (webOS) (/English/Espanol/Français)
QFT (Quick Frame Transport)	Yes
Reflection Free	No
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
65"	65.4 x 38.2 x 7.9	56.7 x 34.6 x 9.1	56.7 x 32.5 x 1.8	18.5 x 7.9	58.0	40.6	36.6	300 x 200	155.2	286
55"	53.5 x 31.9 x 7.4	48.1 x 29.8 x 9.1	48.1 x 27.7 x 1.8	18.5 x 7.4	46.7	35.1	31.1	300 x 200	119.3	220
48"	54.1 x 28.9 x 6.4	42.2 x 26.6 x 9.1	42.2 x 24.4 x 1.8	18.5 x 6.4	45.0	36.8	32.8	300 x 200	74	138
42"	41.7 x 26.0 x 6.0	36.7 x 22.7 x 6.7	36.7 x 21.3 x 1.6	28.3 x 6.0	28.0	22.3	21.6	300 x 200	74.5	139





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