



83"

* Class size: See below for details.

Discover the next level of picture quality and technology.

The unmatched beauty of self-lit OLED pixels in the LG OLED B5 is more than meets the eye. Keep pace with the action with a native 120Hz refresh rate for smoother movement whether you're gaming or watching sports. Entertainment extras like Dolby Vision®,* Dolby Atmos®* and FILMMAKER MODE™ give you the big-picture experience straight from your couch.

*Dolby, Dolby Atmos and the double-D symbol are registered trademarks of Dolby Laboratories.

- World's No. 1 OLED
- Alpha 8 AI Processor Gen2
- Perfect Black & Perfect Color (8.3 million self-lit pixels)
- Dolby Vision®, Dolby Atmos® & FILMMAKER MODE™
- Ultimate Game Play (120Hz)

Member Value

- **Precision HDR Master Pro**
Enhances video frame-by-frame for sharper contrast and vivid colors. SDR content remastered to HDR-like, HDR is stunning.
- **Precision Sound Master Pro**
Enjoy crystal-clear dialogue and immersive surround sound, automatically adjusted to match your content.
- **Expanded Memory with 32GB**
Download & quickly launch more apps with extra built-in Internal Memory.

Key Benefits

WORLD'S NO. 1 OLED TV BRAND

Celebrating 12 years of perfecting award-winning OLED TV technology.*

*Source: Omdia. Unit shipments, 2013-2024. Results are not an endorsement of LG Electronics. Any reliance on these results is at the third-party's own risk. Visit <https://www.omnia.com/> for more details.

REFINED PICTURE, POWERED BY AI

Enjoy outstanding picture, which uses AI to detect what you're watching and automatically improves the picture and sound quality to your personal preferences.

PERFECT BLACK & PERFECT COLOR

LG's flagship OLED technology creates an incredible watching experience and stellar picture quality with Perfect Black and Perfect Color technology on over 8.3 million self-lit smart pixels, even in bright rooms.

BRING HOME THE MAGIC OF HOME CINEMA

Experience the magic of the big screen right from your couch. Loaded with Dolby Vision® for extraordinary color, contrast and brightness, plus Dolby Atmos®* for sound you can feel all around you. Land in the center of the action with FILMMAKER MODE™, allowing you to see films just as the director intended.

*Dolby, Dolby Vision, Dolby Atmos, and the double-D symbol are registered trademarks of Dolby Laboratories Licensing Corporation. Manufactured under license from Dolby Laboratories. Confidential unpublished works. Copyright © 2012–2025 Dolby Laboratories. All rights reserved.

GAME WITH THE POWER OF LG OLED

Packed with gaming features, this LG OLED Series comes with everything you need to win. Experience crisp, smooth imagery from a 0.1ms response time and up to 120Hz refresh rate to let you game at blinding speed without any blurring or tearing to keep up with the fastest games. All LG OLED TVs have NVIDIA G-Sync, AMD FreeSync Premium and VRR to further improve gaming quality. Four HDMI 2.1 inputs allow you to plug in all the devices you need. Whether you game on consoles or on the cloud,* the LG Game Dashboard and Game Optimizer put all the control at your fingertips.

*Subscription and compatible gaming controller are required



Specifications

PICTURE (PANEL)

| | |
|--------------------|-----------------------------|
| Display Type | 4K OLED |
| Display Resolution | 4K Ultra HD (3,840 x 2,160) |
| Refresh Rate | 120Hz Native |
| Perfect Black | Yes |
| Wide Color Gamut | OLED Color |

PICTURE (PROCESSING)

| | |
|--------------------------|--------------------------------|
| Picture Processor | α8 AI Processor 4K Gen2 |
| AI Picture | Yes |
| AI Upscaling | α8 AI Super Upscaling 4K |
| AI Genre Selection | Yes (SDR/HDR) |
| Dynamic Tone Mapping | Yes (Dynamic Tone Mapping Pro) |
| HDR (High Dynamic Range) | Dolby Vision / HDR10 / HLG |
| Dolby Vision | Yes |
| FILMMAKER MODE™ | Yes |
| Dimming Technology | Pixel Dimming |
| Motion | OLED Motion |

GAMING

| | |
|------------------------------|----------------------|
| Game Optimizer | Yes (Game Dashboard) |
| G-Sync Compatible (Nvidia) | Yes |
| FreeSync Compatible (AMD) | Yes |
| VRR (Variable Refresh Rate) | Yes (Up to 120Hz) |
| ALLM (Auto Low Latency Mode) | Yes |
| HGIG Mode | Yes |
| Response Time | Less than 0.1ms |

SMART TV

| | |
|-------------------------------|----------------|
| Operating System (OS) | webOS 25 |
| ThinQ | Yes |
| Intelligent Voice Recognition | Yes |
| Magic Remote Control | Built-In |
| Home Hub | Yes |
| Amazon Alexa (Built-in) | Yes (Built-in) |
| Works with Amazon Alexa | Yes |
| Works with Hey Google | Yes |
| Works with Apple Home | Yes |
| Works with Apple Airplay2 | Yes |
| Google Cast built-in | Yes |
| App Store | Yes (App) |
| Full Web Browser | Yes |
| LG Channels | Yes |
| Multi View | Yes |
| Always Ready | Yes |
| USB Camera Compatible | Yes |
| Home Office | Yes |
| Game Service | Yes |
| Music Service | Yes |
| Sports | Yes |
| Matter | Yes |

| | |
|------------------|--|
| AI Concierge | Yes |
| AI Search | Yes |
| AI Chatbot | Yes |
| Voice ID | Yes |
| Copilot | Yes |
| Generative AI | Yes |
| Content Partners | Netflix, Max, Disney+, YouTube, Prime Video, ESPN, Apple TV, Sling TV and more |

AUDIO

| | |
|---------------------------|---|
| Speaker System | 2.0 channel |
| Speaker Direction | Down Firing |
| Dolby Atmos | Yes |
| AI Sound | α8 AI Sound Pro (Virtual 9.1.2 Up-mix) |
| DTS:X (by-pass only) | Yes |
| Clear Voice Pro | Yes (Auto Volume Leveling) |
| WISA Ready | Yes (Up to 2.1 Channel) |
| Audio Codec | AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X (Refer to manual) |
| LG Sound Sync | Yes |
| Sound Mode Share | Yes |
| Bluetooth Surround Ready | Yes (2 Way Playback) |
| WOW Orchestra | Yes |
| Simultaneous Audio Output | Yes |

CONNECTIVITY

| | |
|-----------------------------------|--|
| Wi-Fi Standard | Yes (Wi-Fi 6E) |
| Bluetooth Support | Yes (v 5.3) |
| IP Control | Yes |
| Simplink (HDMI CEC) | Yes |
| TV Tuner | ATSC1.0 (Terrestrial), QAM (Cable) |
| Smartphone Remote App | Yes (LG ThinQ) |
| HDMI Input | 4ea (supports 4K 120Hz, eARC, VRR, ALLM, QMS (4 port)) |
| HDMI Audio Return Channel | eARC (HDMI 3) |
| USB Input | 2ea (v 2.0) |
| RF Input (Antenna/Cable) | 1ea |
| Ethernet Input | 1ea |
| RS-232C Input (Min Jack) | Yes |
| SPDIF (Optical Digital Audio Out) | 1ea |
| SPDIF (Optical Digital Audio Out) | 1ea |

POWER

| | |
|----------------------------|------------------|
| Power Supply (Voltage, Hz) | AC 120V, 50/60Hz |
| Standby Power Consumption | Under 0.5W |
| Power Consumption | 195.5W |
| Annual Power Consumption | 360 kWh/y |



Specifications

OLED83B5AUA (83.5" DIAGONAL) DIMENSIONS/WEIGHTS/UPC

| | |
|-------------------------------------|--------------------------|
| TV Dimensions with Stand (WxHxD) | 72.5" x 45/42.6" x 11.8" |
| TV Dimensions without Stand (WxHxD) | 72.5" x 41.5" x 2.1" |
| Shipping Dimensions (WxHxD) | 78.3" x 47.2" x 7.4" |
| Stand Width | 58.1" |
| TV Weight with Stand | 61.1 lbs |
| TV Weight without Stand | 58.9 lbs |
| Shipping Weight | 83.6 lbs |
| VESA Mounting (W x H) | 400 x 400 |
| UPC | 195174106235 |

ACCESSORIES INCLUDED

| | |
|------------------------|-------------------|
| Remote | Magic Remote MR25 |
| Remote Control Battery | Yes (AAA x 2EA) |
| Power Cable | Yes (Attached) |
| Quick Start Guide | Yes |
| E-Manual | Yes |

OPTIONAL ACCESSORIES (SOLD SEPARATELY)

| | |
|-------------|--------|
| Stand | - |
| Wall Mount | WB24GC |
| Floor Stand | - |

WARRANTY

| | |
|------------------|----------------------|
| Limited Warranty | 1 Year Parts & Labor |
|------------------|----------------------|