

# NANO80AQA Series

LG NanoCell TV NANO80

75" 65" 55" 50"

\* Class size: See below for details.

- **Billion Rich Colors**
- **Local Dimming**
- **α5 Gen 5 AI Processor 4K**
- **Game Optimizer**
- **Ultimate Streaming**



## DESCRIPTION

### LIVE IN COLOR

It's more than fabulous color, it's bringing your passions to life the way they were meant to be seen—vibrant, bold, and full of life.

## KEY FEATURES

### Billion Rich Colors

#### A BILLION REASONS TO WATCH

Color your world with over a billion colors\* for a lifelike picture that makes it look like you're there

\*Achieved through 10 bit dithering

### Local Dimming

#### THE ANSWER IS CLEAR

Improves contrast and reduces the halo effect for a clear picture

### α5 Gen 5 AI Processor 4K

#### ENGINEERED TO AMAZE

Enhance your picture and sound with AI from the α5 Gen5 AI Processor 4K

### Game Optimizer

#### UP YOUR GAME

Make it the best gaming experience by quickly adjusting all your game settings in one location

### Ultimate Streaming

#### BINGE-WORTHY STREAMING STARTS HERE

Find your faves fast with built-in access to Netflix, Prime Video, Apple TV app, Disney+, HBO Max\* and instant access to over 300+ free LG Channels\*\* with everything from comedy to movies to sports

\*Internet connection and subscription to streaming services are required. Amazon, Prime Video and all related logos are trademarks of Amazon.com, Inc. or its affiliates. Amazon Prime membership and/or Prime Video fees apply. See [primevideo.com/terms](https://primevideo.com/terms) for details. HBO Max™ ©2022 Warner Media, LLC. All Rights Reserved. HBO Max is used under license.

\*\*Number of LG Channels subject to change.

SPECIFICATIONS

| PICTURE (PANEL)                 |                                                                                                                        |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Display Type                    | NanoCell Display                                                                                                       |
| Display Resolution              | 4K Ultra HD (3,840 x 2,160)                                                                                            |
| Backlight Type                  | Edge                                                                                                                   |
| Backlight Dimming Technology    | Local Dimming                                                                                                          |
| Nano Color                      | Yes                                                                                                                    |
| Billion Rich Colors             | Yes*                                                                                                                   |
| PICTURE (PROCESSING)            |                                                                                                                        |
| Picture Processor               | α5 Gen 5 AI Processor 4K                                                                                               |
| AI Picture                      | -                                                                                                                      |
| Upscaling                       | 4K Upscaling                                                                                                           |
| Refresh Rate                    | 60Hz Native                                                                                                            |
| SOUND (PROCESSING)              |                                                                                                                        |
| AI Sound                        | AI Sound Pro                                                                                                           |
| TV Sound Mode Share             | Yes                                                                                                                    |
| Bluetooth Surround Ready        | Yes                                                                                                                    |
| HOME CINEMA                     |                                                                                                                        |
| HDR                             | Active HDR (HDR10, HLG)<br>Dynamic Tone Mapping                                                                        |
| Dolby Vision IQ                 | -                                                                                                                      |
| Filmmaker Mode                  | Yes                                                                                                                    |
| Magic Explorer                  | Yes                                                                                                                    |
| Next Picks                      | Yes                                                                                                                    |
| GAMING                          |                                                                                                                        |
| Game Optimizer                  | Yes                                                                                                                    |
| G-SYNC Compatible               | -                                                                                                                      |
| FreeSync Premium™               | -                                                                                                                      |
| VRR (Variable Refresh Rate)     | -                                                                                                                      |
| ALLM (Auto Low Latency Mode)    | Yes                                                                                                                    |
| HGiG                            | Yes                                                                                                                    |
| Cloud Gaming                    | Google STADIA / NVIDIA GEFORCE NOW                                                                                     |
| SMART TV                        |                                                                                                                        |
| Operating System                | webOS 22                                                                                                               |
| Content Partners                | Netflix, HBO Max, Prime Video, Disney+, Apple TV, Hulu, Paramount+, Peacock, Youtube TV, Spotify, iHeartRadio and more |
| LG Content Store (App Store)    | Yes                                                                                                                    |
| Full Web Browser                | Yes                                                                                                                    |
| LG Channels                     | Yes                                                                                                                    |
| Sports Alert                    | Yes                                                                                                                    |
| Art Gallery                     | -                                                                                                                      |
| Who.Where.What?                 | Yes                                                                                                                    |
| Home Dashboard                  | Yes                                                                                                                    |
| Room to Room Share              | Yes (Receiver Only)                                                                                                    |
| Always Ready                    | -                                                                                                                      |
| Ambient Mode                    | -                                                                                                                      |
| "Works With"                    | Google Assistant, Alexa, Apple Airplay2 and Homekit (Separate device purchase necessary)                               |
| AI TV (ARTIFICIAL INTELLIGENCE) |                                                                                                                        |
| LG ThinQ® AI                    | Yes                                                                                                                    |
| Hands-free Voice Control        | -                                                                                                                      |
| Magic Remote Control            | Yes (Point, Click, Scroll, Voice)                                                                                      |
| Universal Remote Control        | Yes (Auto Device Detection)                                                                                            |
| Voice Assistants                | Google and Alexa Built-in<br>(No separate device purchase necessary)                                                   |
| Intelligent Voice Recognition   | Yes                                                                                                                    |
| AUDIO                           |                                                                                                                        |
| Speaker System                  | 2.2 Channel: 75",<br>2.0 Channel: 65", 55", 50"                                                                        |
| Output Power                    | 40W: 75"<br>20W: 65", 55", 50"                                                                                         |
| Speaker Direction               | Down Firing                                                                                                            |
| Dolby Atmos                     | -                                                                                                                      |
| WiSA Ready                      | -                                                                                                                      |
| Audio Codec                     | AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X (Refer to manual)                                |
| LG Sound Sync                   | Yes                                                                                                                    |
| CONNECTIVITY                    |                                                                                                                        |
| NEXTGEN TV (ATSC 3.0)           | -                                                                                                                      |
| Wi-Fi® Standard                 | Wi-Fi Certified 802.11ac                                                                                               |
| Bluetooth® Support              | Version 5.0                                                                                                            |
| IP Control                      | Yes                                                                                                                    |
| HDMI-CEC (Simplink)             | Yes                                                                                                                    |
| TV Tuner                        | ATSC, Clear QAM                                                                                                        |
| Smart Phone Connectivity        | Yes                                                                                                                    |

| INPUTS & OUTPUTS                    |                     |
|-------------------------------------|---------------------|
| HDMI Input (HDCP 2.2)               | 4 (Side)            |
| HDMI 2.1 (4K @ 120Hz)               | -                   |
| HDMI Audio Return Channel (ARC)     | eARC (HDMI 2)       |
| USB Ports (v 2.0)                   | 1 (Rear) / 1 (Side) |
| RF Connection Input (Antenna/Cable) | 1 (Side)            |
| AV Input                            | -                   |
| Ethernet Input                      | 1 (Rear)            |
| RS-232C Input (Mini Jack)           | -                   |
| Digital Audio Output (Optical)      | 1 (Rear)            |
| Headphone Out                       | -                   |

| POWER                      |                                                                      |
|----------------------------|----------------------------------------------------------------------|
| Power Supply (Voltage, Hz) | AC 120V, 50/60Hz                                                     |
| Standby Power Consumption  | Under 0.5 W                                                          |
| Typical Power Consumption  | 75": 115 W<br>65": 94 W<br>55": 74.5 W<br>50": 55 W                  |
| Annual Power Consumption   | 75": 213 kWh/y<br>65": 174 kWh/y<br>55": 139 kWh/y<br>50": 103 kWh/y |

| 75NANO80AQA (74.5" DIAGONAL) DIMENSIONS/WEIGHTS/UPC |                       |
|-----------------------------------------------------|-----------------------|
| TV Dimensions with Stand (WxHxD)                    | 65.9" x 40.5" x 14.1" |
| TV Dimensions without Stand (WxHxD)                 | 65.9" x 38" x 1.8"    |
| Packaging Dimensions (WxHxD)                        | 71.7" x 43.9" x 7.9"  |
| Stand Width                                         | 53.1"                 |
| TV Weight with Stand                                | 81.4 lbs              |
| TV Weight without Stand                             | 79.1 lbs              |
| Packaging Weight                                    | 100.8 lbs             |
| VESA Mounting (W x H)                               | 400 x 400             |
| UPC                                                 | 195174028872          |

| 65NANO80AQA (64.5" DIAGONAL) DIMENSIONS/WEIGHTS/UPC |                       |
|-----------------------------------------------------|-----------------------|
| TV Dimensions with Stand (WxHxD)                    | 57.2" x 35.7" x 11.6" |
| TV Dimensions without Stand (WxHxD)                 | 57.2" x 33" x 1.7"    |
| Packaging Dimensions (WxHxD)                        | 65.7" x 42.1" x 8"    |
| Stand Width                                         | 45.9"                 |
| TV Weight with Stand                                | 54.9 lbs              |
| TV Weight without Stand                             | 54 lbs                |
| Packaging Weight                                    | 74.7 lbs              |
| VESA Mounting (W x H)                               | 300 x 300             |
| UPC                                                 | 195174028889          |

| 55NANO80AQA (54.6" DIAGONAL) DIMENSIONS/WEIGHTS/UPC |                       |
|-----------------------------------------------------|-----------------------|
| TV Dimensions with Stand (WxHxD)                    | 48.5" x 30.7" x 10.1" |
| TV Dimensions without Stand (WxHxD)                 | 48.5" x 28.2" x 1.7"  |
| Packaging Dimensions (WxHxD)                        | 55.9" x 32.9" x 7.4"  |
| Stand Width                                         | 41.7"                 |
| TV Weight with Stand                                | 36.8 lbs              |
| TV Weight without Stand                             | 35.9 lbs              |
| Packaging Weight                                    | 50.7 lbs              |
| VESA Mounting (W x H)                               | 300 x 300             |
| UPC                                                 | 195174028896          |

| 50NANO80AQA (49.5" DIAGONAL) DIMENSIONS/WEIGHTS/UPC |                       |
|-----------------------------------------------------|-----------------------|
| TV Dimensions with Stand (WxHxD)                    | 44.1" x 28.3" x 10.1" |
| TV Dimensions without Stand (WxHxD)                 | 44.1" x 25.7" x 1.9"  |
| Packaging Dimensions (WxHxD)                        | 47.8" x 30.5" x 6.8"  |
| Stand Width                                         | 37.2"                 |
| TV Weight with Stand                                | 31.7 lbs              |
| TV Weight without Stand                             | 30.9 lbs              |
| Packaging Weight                                    | 39.2 lbs              |
| VESA Mounting (W x H)                               | 200 x 200             |
| UPC                                                 | 195174028735          |

| ACCESSORIES INCLUDED   |              |
|------------------------|--------------|
| Remote                 | Magic Remote |
| Remote Control Battery | Yes (AA)     |
| Power Cable            | Yes          |
| Quick Start Guide      | Yes          |
| E-Manual               | Yes          |

| DESIGN      |       |
|-------------|-------|
| TV Color    | Black |
| Stand Color | Black |

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

\*Billion Rich Colors achieved via Dithering