

50" CLASS (49.9" MEASURED DIAGONALLY)

50PA450C

42" CLASS (41.6" MEASURED DIAGONALLY)

42PA450C

PLASMA TV

Plasma Widescreen

Commercial HDTV



PUBLIC DISPLAY SETTINGS
cloning capable



EcoSmart™ - ENERGY SAVINGS
Intelligent Sensor - Automatic
3 Mode Power Saving Levels - Manual

NEW! TruSlim FRAME
Narrow Bezel (top & sides)

NEW! SLIM DEPTH

IMPROVED! DYNAMIC CONTRAST RATIO
3,000,000:1

NEW! TRIPLE XD ENGINE®

RESOLUTION UPSCALER

NATIVE DISPLAY RESOLUTION
1024 x 768

600HZ SUB FIELD DRIVING

SUPER BLACK PANEL

SMART ENERGY SAVING

INTELLIGENT SENSOR

CLEAR VOICE II

PICTURE WIZARD II

BUILT-IN TUNER
ATSC/NTSC/Clear QAM

USB 2.0 MEDIA HOST
for photos and music

2 HDMI™ INPUTS WITH HDCP

+20°/-20° DETACHABLE SWIVEL STAND

2-YEAR LIMITED WARRANTY
(parts/labor)

**ENERGY
GUIDE** ↓

The estimated annual energy cost determined in accordance with 16 CFR Part 305.5 for models 50PA450C & 42PA450C are \$19 & \$15, respectively.

"Your energy cost depends on your utility rates and use. The estimated cost is based on 11 cents per kWh and 5 hours of use per day. For more information, visit www.ftc.gov/energy."¹

¹FTC Television labeling rule (18 CFR Part 305, as added by 76 Fed. Reg. 1038 (Jan 6, 2011)).

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LG
Life's Good



LG's ISFccc READY HDTVs CONTAIN THE DETAILED STANDARDS NECESSARY FOR PROFESSIONAL CALIBRATION OF BRIGHTNESS, CONTRAST, TINT, SHARPNESS, COLOR LEVELS AND MUCH MORE TO MEET LOCAL LIGHTING CONDITIONS FOR BOTH DAY AND NIGHTTIME VIEWING. SETTINGS ARE ADDED TO PRESET MODES FOR EASY ACCESS FROM YOUR LG REMOTE.



BALANCED SOUND TO EMPHASIZE DIALOGUE CLEAR VOICE TECHNOLOGY AUTOMATICALLY ENHANCES DIALOGUE WHEN BACKGROUND SOUNDS SUCH AS THOSE IN AN ACTION SEQUENCE SWELL. ENHANCEMENTS MADE TO THE CLEAR VOICE TECHNOLOGY NOW ALLOW USERS TO CUSTOMIZE THEIR PERSONAL PREFERENCES BASED ON THEIR HOME ENVIRONMENT THROUGH A 12-STEP ADJUSTMENT PROCESS. THIS CALIBRATION PROCESS IS BASED ON DISTINCT VOICE ZOOM LEVELS SO AS TO MINIMIZE INTERFERENCE WITH SURROUNDING SOUNDS.



PEEL AWAY THE OLD STANDARD FOR ULTRA SLIM FRAMING. MEASURING AT 0.59 INCHES WIDETHE NEW TRUSLIM FRAME TRIMS AWAY THE DISTRACTION OF A WIDE FRAME.



EcoSmart



ENERGY SAVINGS

INTELLIGENT SENSOR

LG's Intelligent Sensor automatically enhances picture quality which can help save energy and money. Unlike other sensors which can only sense brightness of ambient light, the Intelligent Sensor uses a 12-bit process to evaluate its surroundings for a more detailed adjustment.

THREE MODE POWER SAVING LEVELS

Manually select your choice for the brightness level for the television. By selecting Minimum, Medium, or Maximum, the power consumption will be reduced and an increase in energy savings can be achieved.

POWER SAVING MODE	Off	Minimum	Medium	Maximum
Power Consumption	100%	90%+/-10%	75%+/-10%	50%+/-10%

NOTES: Power consumption was measured internally and can vary.

600Hz Sub Field Driving

The PA450C Series uses 600Hz Sub-field Driving which reacts very quickly to the changes on screen making fast action motion clearer.

Dramatization



SUB-FIELD 1 SUB-FIELD 2 SUB-FIELD 3 SUB-FIELD 4 SUB-FIELD 5 SUB-FIELD 6 SUB-FIELD 7 SUB-FIELD 8 SUB-FIELD 9 SUB-FIELD 10

Public Display Settings	
Public Display Mode	No
Start Channel	No
Ch. Type	TV
Major	2
Minor	0
Minimum Volume	0
Maximum Volume	100
Start Volume	No
Level	20
Power Management	No
Setting	1
Key Management	0
Factory Reset	0
Aspect Ratio	0

PUBLIC DISPLAY SETTINGS (v2.6)

When used in public areas, these HDTVs can be easily programmed by the installer to have the TV turn on at a specified channel/volume level, set the minimum/maximum volume, lock out the control panel/remote, set the aspect ratio, and return to a factory reset. By using Power Management, these displays can be programmed to turn off if there has been no activity (remote or control panel buttons) for a preset time (1-7) hours.



WITH RESOLUTION UPSCALER STANDARD DEFINITION CONTENT LIKE OLD MOVIES OR INTERNET VIDEOS CAN BE ENHANCED TO NEAR HD RESOLUTION PICTURE QUALITY.



TIRED OF STREAKY ACTION OR UNCLEAR PLAYS DURING THE GAME? SEE SPORTS, FAST ACTION AND VIDEO GAMES LIKE NEVER BEFORE. THE 600HZ REFRESH RATE VIRTUALLY ELIMINATES MOTION BLUR.



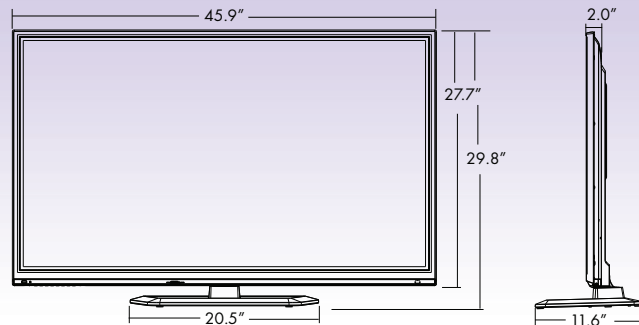
STUNNING DETAIL. NO MORE WORRYING ABOUT DARK SCENES OR DULL COLORS. THE MEGA CONTRAST RATIO OF 3,000,000:1 DELIVERS MORE STUNNING COLORS AND DEEPER BLACKS THAN YOU CAN IMAGINE

REMOTE CONTROL (included)

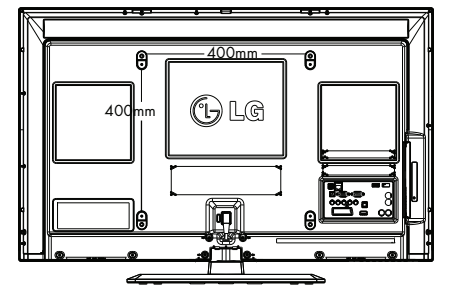
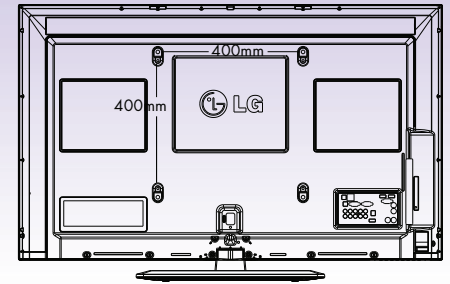
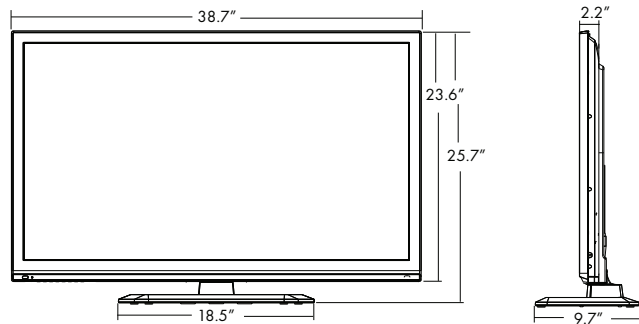


DIMENSIONS

50PA450C

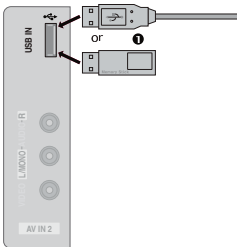


42PA450C

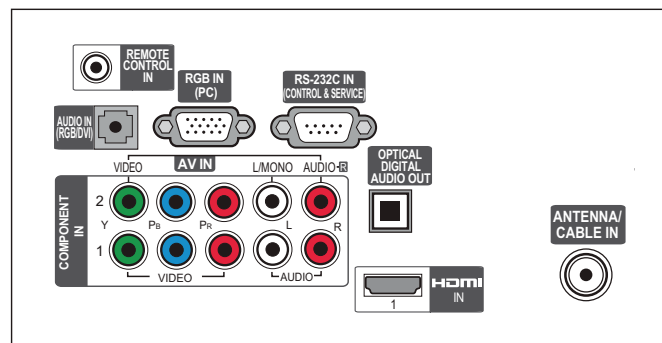


USB CLONING

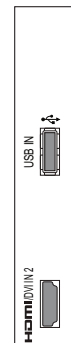
USB cloning will allow for easy transfer of Public Display Settings from the "Master TV" to an unlimited number of same type televisions.



REAR JACK PANEL



SIDE JACK PANEL



50PA450C

50" CLASS (49.9" MEASURED DIAGONALLY)

42PA450C

42" CLASS (41.6" MEASURED DIAGONALLY)

SPECIFICATIONS

PLASMA SPECIFICATIONS

Screen Size	42" class (41.6" diagonal) 50" class (50.0 diagonal)
Native Display Resolution	1024 x 768
Dynamic Contrast Ratio	3,000,000:1
Color Reproduction (Panel Output)	16 Bit
Life Span (typical)	100,000 Hours
Protective Skin Glass	Yes
ISM (Image Sticking Minimization)	Color Wash / Orbiter
600Hz Sub Field Driving	Yes
VIDEO	
Built-in tuner	ATSC/NTSC/Clear QAM - 1 Tuner
Triple XD Engine	Yes
Aspect Ratio	16:9
Aspect Ratio Correction	5 Modes (16:9 Just Scan, Set by Program, 4:3, Cinema Zoom)
Just Scan (1:1 Pixel matching) (0% overscan)	HDMI 1080p/1080i/720p Component 1080p/1080i/720p RF 1080i/720p
(3D/MPEG) Noise Reduction	Yes (High/Medium/Low/Off/Auto)
Digital Comb Filter	3D Comb Filter
Color Temperature Control	3 Modes (Warm, Medium, Cool)
Black Stretcher	Yes
24p Real Cinema (3:3 Pulldown)	Yes (HDMI 1080 24p)
Cinema 3:2/2:2 Pull Down Mode	Yes
Resolution Upscaler	Yes
AV Mode II (Picture & Sound)	Yes (Cinema/Game/Off)
Picture Mode	7 Modes (Vivid, Standard, APS, Cinema, Game, ISF Expert, Expert 1, Expert 2)
Expert Mode (ISFccc Ready)	Yes
Intelligent Sensor Mode	Yes
xvYCC	Yes
DTV Signal Strength (Digital)	Yes
Color Reproduction (Chassis Output)	10 Bit
AUDIO	
Mono/Stereo/Dual (MTS/SAP)	Yes
Dolby Digital 5.1 Decoder	Yes
Speaker System	Invisible Speaker (1 Way 2 Speaker)
Audio Output (Watts - THD 10%)	10W + 10W
Virtual Surround	Yes
On Screen Equalizer	Yes
Auto Volume Leveler II	Yes
Clear Voice II	Yes
Sound Mode	5 Modes (Standard, Music, Cinema, Sports, Game)
Mute	Yes
SPECIAL FEATURES	
Intelligent Sensor	Yes
Picture Wizard II (2D/3D)	Yes
Smart Energy Saving	Yes
1080p Source Input	HDMI 60p/30p/24p Component 60p/30p/24p RGB 60p (WXGA)
A/V Input Navigation / EZ Input Toggle	Yes
Input Labeling	Yes
Screen Adjust/Auto (Manual)	Yes
Quick View (Flashback)	Yes
e-Streamer	Yes
Parental Control w/V-Chip	Yes
Rating (DTV)	Yes (by EPG)
Public Display Settings	Yes (V 2.6)
USB Cloning	Yes
Freeze Frame	Yes
Quick Setup Guide	Yes
Closed Caption	Yes
Simplink™ (HDMI CEC)	Yes

CONVENIENCE FEATURES

Language	4 (English/Spanish/French/Korean)	
Auto Tuning / Programming	Yes	
Channel Add/Delete	Yes	
Favorite Channel Programming	Yes	
Auto/Manual Clock	Yes	
On/Off Timer	Yes	
Sleep Timer	Yes	
Auto Off/Auto Sleep	Yes	
AV INPUTS/OUTPUTS		
RF In (Antenna/Cable)	1 (Rear)	
AV In	1 (Rear)	
Component Video In (Y, Pb, Pr) + Audio	2 (Rear)	
Digital Audio Out (Optical)	1 (Rear)	
HDMI/HDCP Input	2 (1 Side/1 Rear)	
RGB In (D-sub 15pin) - PC	1 (Rear)	
PC Audio Input	1 (Rear)	
USB 2.0	1 (Side)	
RS-232C In (Control & Service)	1 (Rear)	
Remote Control In	1 (Rear)	
CABINET/ACCESSORIES		
TruSlim Frame	Yes	
Cabinet Color	Gloss Black	
Slim Depth	Yes	
Table Stand Included	Detachable (20°/20°) Swivel	
VESA™ Compliant	400mm x 400mm	
Local Key Type	Touch Sensitive Keys	
Remote Control	Yes	
Quick Setup Guide	Yes	
Power Cord	Yes	
POWER		
EcoSmart - Energy Savings		
Intelligent Sensor (auto)	Yes (automatic)	
3 Mode Power Saving Levels	Yes (manual)	
Voltage, Hz	100~240V, 50/60Hz	
Power Consumption (with Intelligent Sensor On, in Vivid Picture Mode)	76W (42"), 96W (50"),	
Measured with video signal - IEC62087 dynamic broadcast		
On Mode (Average)	Yes	
Stand by Mode	0.2W	
REQUIRED APPROVALS		
RoHS Compliant	Yes	
EPA 5.3	Yes	
UL, c-UL, FCC	Yes	
OPERATING ENVIRONMENTS		
Storage Temperature Range	-4°F to 140°F (-20°C to 60°C)	
Storage Humidity Range	Less than 85%	
Altitude	Up to 9514 ft. (2900m)	
Operating Temperature	32°F to 104°F (0°C to 40°C)	
Operating Humidity Range	Less than 80%	
DIMENSIONS & WEIGHT		
	42PA450C	50PA450C
Dimensions without Stand (W×H×D)	38.7" x 23.6" x 2.2"	45.9" x 27.7" x 2.0"
with Stand (W×H×D)	38.7" x 25.7" x 9.7"	45.9" x 29.8" x 11.6"
packaging (W×H×D)	42.7" x 30.3" x 9.0"	52.4" x 32.2" x 9.0"
Weight without Stand	41.8 lbs	56.8 lbs
with Stand	45.4 lbs	62.1 lbs
with packaging	53.1 lbs	74.5 lbs
SERVICE/LIMITED WARRANTY		
Limited Warranty	2 Year Panel/1 Year (Parts/Labor)	
UPC		
42PA450C	7 19192 90385 2	
50PA450C	7 19192 90386 9	

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