



DIGISIGN

## IPS Direct LED Full HD Capable Monitor

### ▶ 47WL10MS-B

47" class (46.96" measured diagonally)

### ▶ 42WL10MS-B

42" class (41.92" measured diagonally)



## Features

### TCO Total Cost of Ownership

The the WL10MS series are Energy Star® 6.0 compliant consuming approximately 40% less energy than non-compliant models. In standby mode, they use less than one watt of power and meet the environmental regulations such as EPA and Erp, while excluding the use of harmful materials (RoHS) and reducing CO2 emissions.

### IPS In Plane Switching

Super IPS accurately display an image's quality and color at an 178° ultra wide viewing angle. There is no fall-off in color accuracy and no diversion in contrast ratio at wide angles. From bright sunlight to the most challenging lighting environments these displays are designed to reproduce and maintain the ultimate color temperature for lifelike images.

## Specifications

Native Display Resolution 1920 X 1080 (FHD)

High Brightness 400 cd/m<sup>2</sup>

Contrast Ratio 1,000:1 (Typ.), 500,000:1 (DCR) (42WL10MS-B)  
1,200:1 (Typ.), 500,000:1 (DCR) (47WL10MS-B)

178°/178° Ultra Wide Viewing Angle

Suitable for Portrait or Landscape Installation

RJ-45 LAN Control

RGB, DVI and HDMI Connection

RS-232C Control

Convenient External Speaker-Out

Energy Star® 6.0 compliant

Bezel Width 14.8mm(L/R/U), 19.4mm(B) (42WL10MS-B)  
15.3mm(L/R/U), 19.9mm(B) (47WL10MS-B)

USB Playback

Temperature Sensor

PIP/PBP

3-Year Limited Warranty Parts/Labor/Backlight



# LG

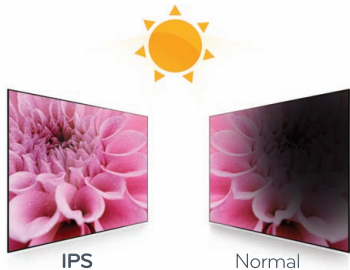
Life's Good

LGsolutions.com

# IPS Superb Picture Quality

## NO BLACKENING DEFECT

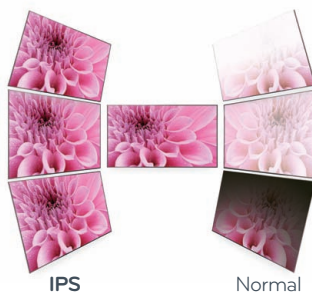
Display has a built-in temperature control that adjusts to light and heat eliminating dark or blackened areas.



If the outdoor temperature is 86°F the surface temperature of display is 185°F

## TRUE WIDE VIEWING

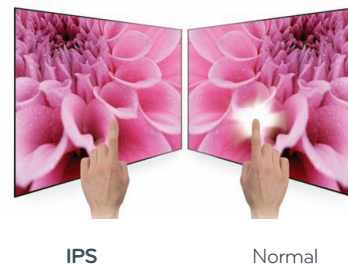
Color changes and distortion are eliminated from any viewing angle.



Color change average @ 60°  
Gamma change average @ 60°

## PANEL STABILITY

Minimized image distortion when external pressure is applied.



IPS Normal

## Wide Viewing Angle

Provides a clear image virtually at any angle.



## LED

## High Picture Quality & Brightness

Clear and vivid picture quality with the deepest black. Consumes approximately 40% less energy the LCD models.

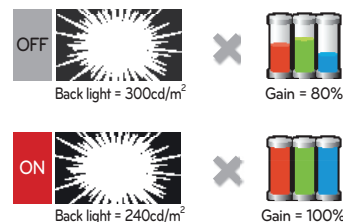


## Improved Bezel & Depth



## Smart Energy Saving

Reduce energy consumption by approximately 30%



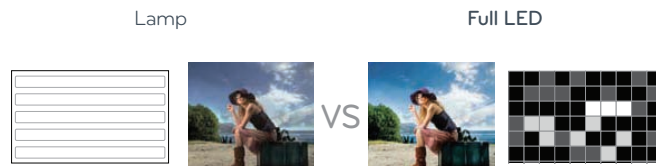
## Easy & Fast Delivery of Content

USB multi-media playback



## High Picture Quality

High contrast ratio of 500,000:1 delivers crisp and vivid pictures with the deepest blacks.





LIFE'S GOOD...

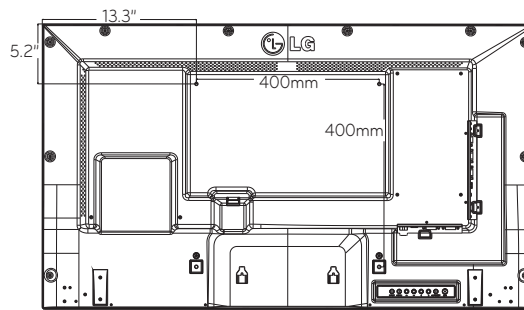
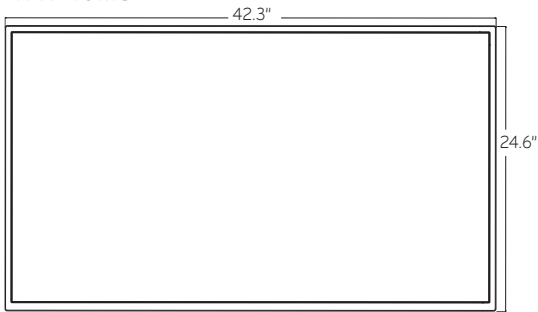
# when it's green.

LG is committed to improving product development, manufacturing and usage to meet the demand for products with environmentally friendlier features. Our televisions have technologies to reduce power consumption and in return increase cost savings per room.

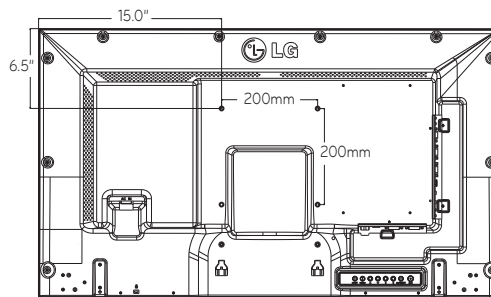
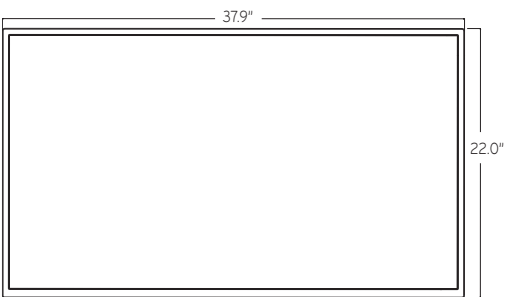
## EcoSmart

- **Intelligent Sensor** - Continually monitors room light conditions to automatically optimize the picture quality for a more enjoyable viewing experience, which can help save energy.
- **Dynamic Power Savings** - Using built-in algorithms, TV will automatically reduce the power consumption based on incoming video, while maximizing picture performance.
- **Static Power Savings** - Picture brightness level can be set at the preferred power consumption level to reduce power and increase energy savings.
- **CEC Compliant** - Meets the Appliance Efficiency Regulations of the California Energy Commission.
- **RoHS Compliant** - Meets directive on restriction of hazardous substances.
- **Energy Star 6.0 Qualified** - Meets current reduction requirements of energy consumption.

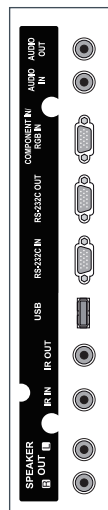
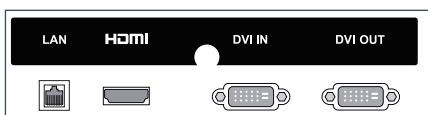
47WL10MS-B



42WL10MS-B



## Rear Jack Panel



# IPS Direct LED

## Full HD Capable Monitor

▶ **47WL10MS-B**

47" class (46.96" measured diagonally)

▶ **42WL10MS-B**

42" class (41.92" measured diagonally)



PANEL	Model	42WL10MS-B	47WL10MS-B
Screen Size		42" (41.92" measured diagonally)	47" (46.96" measured diagonally)
Panel Technology		IPS	
Aspect Ratio		16 : 9	
Native Resolution		1920 x 1080 (FHD)	
Pixels(H x V x 3)		6,220,800	
Brightness		400 cd/m <sup>2</sup>	
Contrast Ratio		1,000:1	1,200:1
Dynamic CR		500,000 : 1	
Color Gamut		68%	
Tni		-	
Viewing Angle		178°/178°	
Color Depth		1.06 Billion	
Response Time		6ms	9ms
Surface Treatment		Hard coating(3H), Anti-reflection treatment of the front polarizer (Haze 1%)	
Orientation		Portrait and Landscape	
<b>VIDEO (PC)</b>			
Max Input Resolution		1920 X 1080@ 60Hz(RGB,HDMI/DVI-D)	
Rec. Resolution		1920 X 1080@ 60Hz(RGB,HDMI/DVI-D)	
H-Scanning Freq		30 ~ 68kHz (RGB, HDMI/DVI-D)	
V-Scanning Freq		56Hz ~ 75Hz (RGB), 56Hz~60Hz (HDMI/DVI-D)	
Pixel Frequency		148.5 MHz (RGB, HDMI/DVI-D)	
Sync Compatability		Separate, Composite, Digital	
Video Input		RGB, HDMI, DVI-D	
Picture mode		Vivid, Standard, Cinema, Sports, Game	
Color temperature		Warm, Medium, Cool	
<b>CONNECTIVITY INPUT (Rear)</b>			
Digital		HDMI(1), DVI-D(1)	
Analog		RGB(1)	
Audio		RGB/DVI-D/Component(3.5Φ 1)	
External Control		RS232C(1), RJ45(1), IR(1)	
USB		Yes(1)	
HDTV Formats		Component: 720p, 1080i, 1080p HDMI: 720p, 1080i, 1080p	
<b>OUTPUT (Rear)</b>			
Digital		DVI-D(1)	
Audio		Yes(1)	
External Control		RS232C(1), IR(1)	
<b>AUDIO</b>			
Balance		Yes	
Audio Power		20W (10W x 2)	
Speaker on/off		Yes	
Clear Voice II		Yes	
Sound Mode		Standard / Music / Cinema / Sport / Game	

PHYSICAL SPECIFICATIONS	Model	42WL10MS-B	47WL10MS-B
Color		Black	
Bezel Width		14.8mm(L/R/U), 19.4mm(B)	15.3mm(L/R/U), 19.9(B)
Monitor Dimensions (W x H x D) (head only)		37.9" x 22.0" x 3.0"	42.3" x 24.6" x 3.1"
Weight (head)		28.2 lbs.	34.2 lbs.
Monitor w/opt. Stand Dimensions (W x H x D)		37.9" x 25.2" x 11.7"	42.3" x 27.5" x 11.7"
Weight (Head+Stand)		31.1 lbs.	37.0 lbs.
Monitor w/opt. Stand + Speaker Dimensions (W x H x D)		37.9" x 25.2" x 11.7"	42.3" x 27.5" x 11.7"
Weight (Head+Stand+Speaker)		32.8 lbs.	38.8 lbs.
Carton Dimensions (W x H x D)		41.3" x 27.6" x 6.3"	46.5" x 30.3" x 6.5"
Packed Weight		35.5 lbs.	42.8 lbs.
VESA™ Standard Mount Interface		200mm x 200mm	400mm x 400mm
<b>SPECIAL FEATURES</b>			
Temperature Sensor		Yes	
Natural Mode @Tile Mode		Yes	
Source Selection		Component, RGB, DVI-D, HDMI, USB	
Brightness/Contrast/Backlight		Yes	
Position/Size		Yes	
Auto Config/Phase		Yes	
Language (OSD)		English, French, German, Spanish, Italian, Korean, Chinese(Simplified), Chinese(Original), Portugues(Brazil), Swedish, Finnish, Norwegian, Danish, Japanese, Russian, Portugues(Europe), Dutch, Czech, Greek	
Language (USB Playback)		English, French, German, Spanish, Italian, Korean, Chinese(Simplified), Chinese(Original), Portugues(Brazil), Swedish, Finnish, Norwegian, Danish, Japanese, Russian, Portugues(Europe), Dutch, Czech, Greek	
Language (Manual)		English, French, Italian, German, Spanish, Portugues, Hungarian, Greek, Russian, Dutch, Kazakh, Ukrainian, Polish, Arabic, Indonesian, Korean, Japanese, Turkish, Czech, Taiwanese, Slovak	
Language (ESG)		English, French, Italian, German, Spanish, Portugues, Greek, Polish, Czech, Slovak	
ISM Method		Normal, White Wash, Orbiter, Inversion	
Advanced		Dynamic Contrast, Dynamic Color, Clear White, Skin Color, Noise Reduction, Digital Noise Reduction, Gamma, Black Level	
Time		Clock, On/Off Time, Sleep Timer, Power on Delay, Auto Off, Automatic Standby	
Information		Model/Type, Software Version, Serial Number, IP Address, MAC Address, Homepage	
Input Label		Yes(PC/DTV)	
Auto Power/Source Memory		Yes	
Key Lock		Yes	
DPM Select		Yes	
Energy Saving		Yes (Minimum, Medium, Maxium)	
Smart Energy Saving		Yes	
File Play with USB		Yes	
PIP/PBP		Yes	
<b>ENVIRONMENT CONDITIONS</b>			
Operation Temp.		0°C ~ 40°C	
Operation Humidity		10% ~ 80%	
<b>POWER</b>			
Power Supply		100 -240V~, 50/60Hz	
Power Type		Built-In Power	
Power Consumption		90W (Typ.)	95W (Typ.)
		90W (Smart Energy Savings)	65W (Typ.)
		DPM: 0.5W(RGB), 0.7W(DVI-D, HDMI)	
		Power off: 0.5W	
<b>STANDARD CERTIFICATION</b>			
Safety		UL / cUL / CB scheme / TUV	
EMC		FCC Class "B", VCCI, C-tick, CE, KCC	
Energy Star		Yes (Energy Star 6.0)	
<b>MEDIA PLAYER COMPATIBILITY</b>		Yes (NC1100 / NA1100 / NA1000)	
<b>WARRANTY</b>		3-Year Limited Warranty (Parts/Labor/Backlight)	
<b>UPC</b>		7 19192 19187 7	7 19192 19190 7
<b>OPTIONAL ACCESSORIES</b>		SP-2000 (speaker) ST-200T (stand)	



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