QuickSpecs

HP LD4730a 47-inch Micro-Bezel Video Wall Display
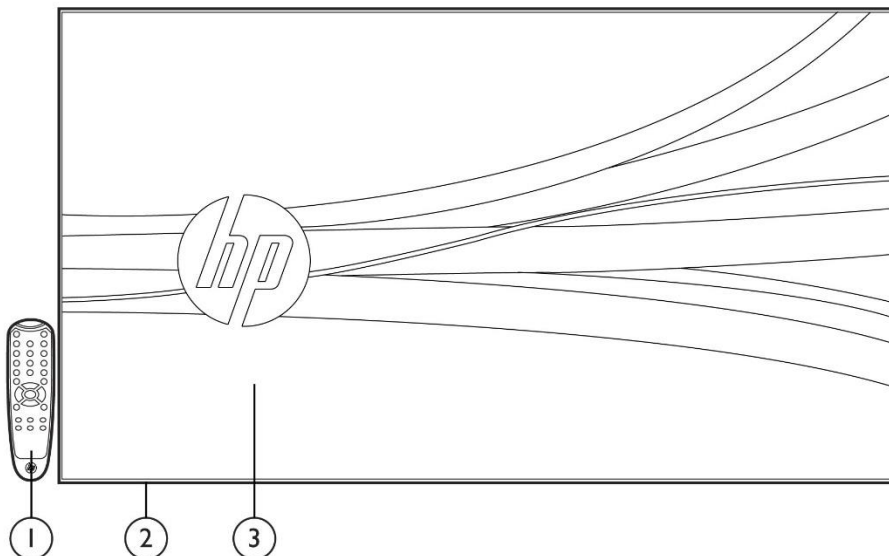**HP LD4730Ga 47-inch Micro-Bezel Video Wall Display**
with Protective Glass

Overview

HP LD4730a 47-inch Micro-Bezel Video Wall Display
HP LD4730Ga 47-inch Micro-Bezel Video Wall Display with Protective Glass

1. **REMOTE CONTROL** Full function remote.

2. **MICRO-THIN BEZEL** Micro-thin bezel that's virtually invisible between tiled displays*

   * LD4730a:
   Bezel width on Left & Top sides = 3.2mm (0.13 inches)
   Bezel width on Right & Bottom sides = 1.7mm (0.07 inches)
   Bezel gap when tiled = 4.9mm (0.20 inches)

3. **PROTECTIVE GLASS** HP LD4730Ga model comes with integrated protective glass.

   LD4730Ga:
   Bezel width on all sides = 5.2mm symmetrical (0.20 inches)
   Bezel gap when tiled = 10.4mm symmetrical (0.40 inches)

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Overview
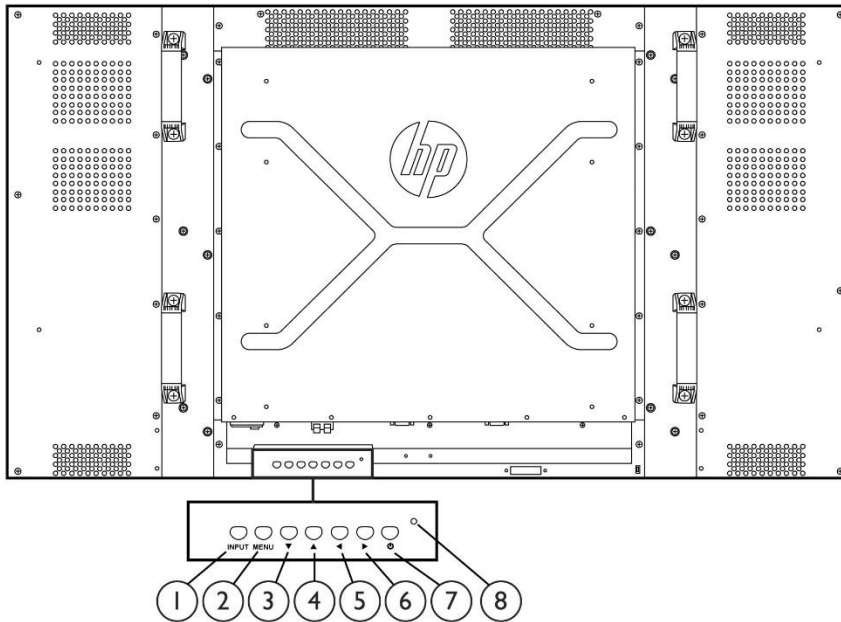
OSD Buttons on back of display

1. **INPUT** - Source: Toggles between video inputs:

   - RGB PC - VGA or 15-pin D-Sub analog signal

   DisplayPort (DP) - Digital signal

2. **MENU** - Opens or closes the OSD (On-screen Display) menu screen.

3. **⊞Down** - adjusts the settings in the OSD screen

4. **⊞Up** - adjusts the settings in the OSD screen

5. **⊞Left** - adjusts the settings in the OSD screen

6. **⊞Right** - adjusts the settings in the OSD screen

7. **POWER** - Press to turn on the power. Press again to turn it off.

8. **POWER LED** - Lights up blue when the display operates normally (on mode). If the display is in sleep (Energy Saving) mode, the indicator color changes to amber.

At a Glance

- Micro-thin bezel provides near zero visual distraction for large video walls and delivers eye-popping large format display area.
- Video-Over-Ethernet (VOE) to significantly reduce installation complexity, increase deployment flexibility, reduce implementation costs, and facilitate centralization of players and dynamic resource allocation. No longer tethered to the display by expensive cables. The display becomes an internet appliance.
- 2D Dimming produces higher Contrast Ratio and deeper blacks for sharper images and better readability
- Smaller depth profile to reduce overall weight and provide smaller standoff for wall mounting
- Native resolution of 1920 x 1080.

- Landscape and portrait wall mounting positions
- HP Network Sign Manger - management software which runs on any network connected media player or PC and enables central site control and management of all network attached or serial attached HP LD4730a/LD4730Ga displays.
- DisplayPort in and out for daisy chain of video walled displays that helps simplify cabling requirements
- Security cable provision on rear panel to lock down the display and help prevent theft (lock kit sold separately)
- Support VESA compliant mounting interface with 400 x 400 and 200 x 400 mm hole pattern
- Audio input jack and external speaker ports

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HP LD4730a 47-inch Micro-Bezel Video Wall Display
HP LD4730Ga 47-inch Micro-Bezel Video Wall Display
with Protective Glass

Overview

- Support for resolutions up to 1920 x 1200 and 1080p
  (Full HD)

Models

HP LD4730a - K4Q69AA
HP LD4730Ga - K4Q70AA

QuickSpecs

HP LD4730a 47-inch Micro-Bezel Video Wall Display
HP LD4730Ga 47-inch Micro-Bezel Video Wall Display
with Protective Glass

Technical Specifications

Panel	**Type**	**119,4 cm** (47-inch) diagonal Wide-Aspect Active Matrix TFT (thin film transistor); IPS Panel
	Viewable Image Area	**119,4 cm** (47 in) widescreen; diagonally measured
	Screen Opening (W x H)	**103.97 x 58.48 cm** (40.93 x 23.02 in)
	Aspect Ratio	16:9
	Viewing Angle (typical)	Up to 178° horizontal/178° vertical (10:1 minimum contrast ratio)
	Brightness (typical)*	800 nits (cd/m²)
	Contrast Ratio (typical)*	1400:1, Dynamic contrast ratio: 70,000~~100,000~~:1
	Response Time (typical)*	30 ms on/off; 12 ms gray to gray
	Pixel Pitch	0.76125 mm square
	Color Gamut	68% (before calibration)
	Gorilla Glass (LD4730Ga model only)	The HP LD4730Ga model features Gorilla Glass protective glass to protect displays in the video wall from scratching, panel damage, and vandalism.
		*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
On Screen Display (OSD) **Controls**	**Buttons or Switches**	Input, menu, OSD controls (up, down, left, right), power
	Languages	English, French, German, Italian, Dutch, Spanish, Japanese, Portuguese, Traditional Chinese, and Korean
	User Controls	Picture Mode, Contrast, Brightness, Sharpness, Backlight, Dynamic Contrast, Color Temperature, Energy Savings, Local Dimming, Volume, Balance, Treble, Bass, Aspect Ratio, Source, Clock, Phase, H-Position, V-Position, NSM Network, VOE Network, VOE Setup, Language, Schedule, Key Lock, Set Monitor ID, Factory Reset, Diagnostic, Information, IR Out, Firmware Update, Color Calibration, and Tile Mode.
Signal Interface/ Performance	**Horizontal Frequency**	30 to 83 kHz
	Vertical Frequency	56 to 76 Hz
	Native Resolution	1920 x 1080 @ 60 Hz (Analog/Digital)
	Max Resolution	1920 x 1200 @ 60 Hz
	Preset VESA Graphic Modes (non-interlaced)	
		1920 x 1080 @ 60 Hz
		1680 x 1050 @ 60Hz
		1600 x 1200 @ 60Hz
		1600 x 900 @ 60Hz
		1440 x 900 @ 60Hz
		1366 x 768 @ 60Hz
		1280 x 1024 @ 60 Hz, 75 Hz
		1280 x 720 @ 60 Hz
		1024 x 768 @ 60 Hz, 75 Hz
		800 x 600 @ 60 Hz and 75 Hz
		640 x 480 @ 60 Hz and 75 Hz
	Text Mode	720 x 400 @ 70 Hz
	Mac Mode	832 x 624 @ 75 Hz
	Maximum Pixel Clock Speed	160 MHz (VGA)
	User Programmable Modes	Yes, 20

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Technical Specifications

Video/ Other Inputs (see Figure A-1 below)	**Anti-Glare**	Yes
	Anti-Static	Yes
	Default Color Temperature	9300K
	RS232C	1 input and 1 output
	Input Signal	VGA (RGB), DisplayPort (DP)
	Output	VGA (RGB) and DisplayPort (DP) out for tiling
	USB	USB input for color calibration and firmware update.
	LAN (RJ45)	1 input; command and control and video over Ethernet.
	Audio	1 audio input jack, AUDIO connects the audio cable to the Line Out on the media player/computer sound card.
	Speaker	Connects the external speakers (not included) to the display.
	IR	Input/output; for receiving and sending the IR control signals
	Plug and Play	Yes
	Input Impedance	75 Ohms ± 10%
	Sync Input	TTL separate sync
	VGA Cable Length	**1,8 m** (5.9ft)
	DisplayPort Cable Length	**1,8 m** (5.9ft)
	IR Cable Length	**1,8 m** (5.9ft)

Figure A-1

Power	**Input Power**	100 - 240 VAC	
	Frequency	50/60 Hz	
	Typical Power Consumption	160 W	
	Maximum	200 W	
	Power Saving	Sleep: 0.5 W	
	Power Cable Length	**1,9 m** (6.2 ft)	
Mechanical	**LD4730a Dimensions** (H x W x D) See Figures B-3 and B-4 below.	**Unpacked w/o stand** (feet) **or speakers** (head only)	**59 x 104,49 x 9.71 cm** (23.2 x 41.1 x 3.8 in)
		Packaged	**75,3 x 122,7 x 25,5 cm** (29.65 x 48.31 x 10.04 in)
	LD4730a Weight - maximum	**Unpacked w/o stand** (feet) **or speakers** (head only)	**23,8 kg** (52.5 lbs)
		Packaged	29,0 kg (63.93 lbs)

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Technical Specifications

Figure B-3 - HP LD4730a Front View
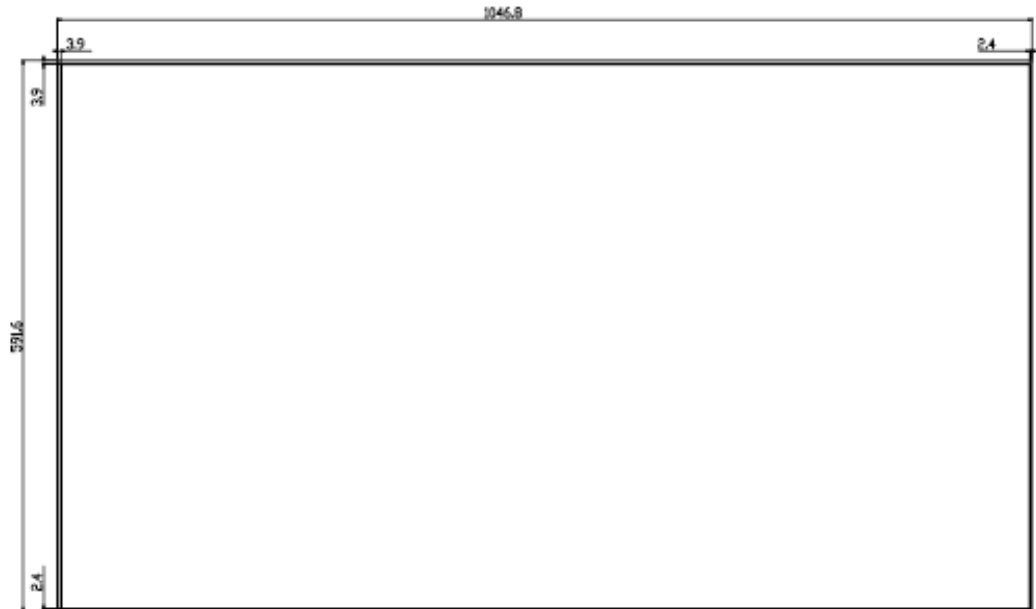
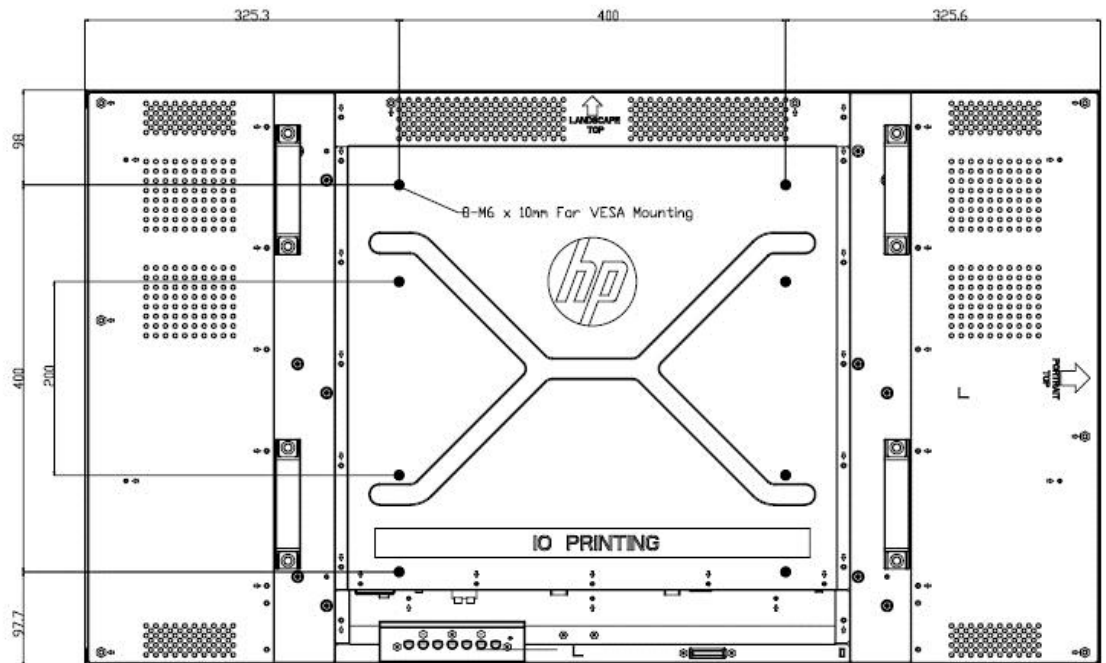**Figure B-4 - HP LD4730a Back View**
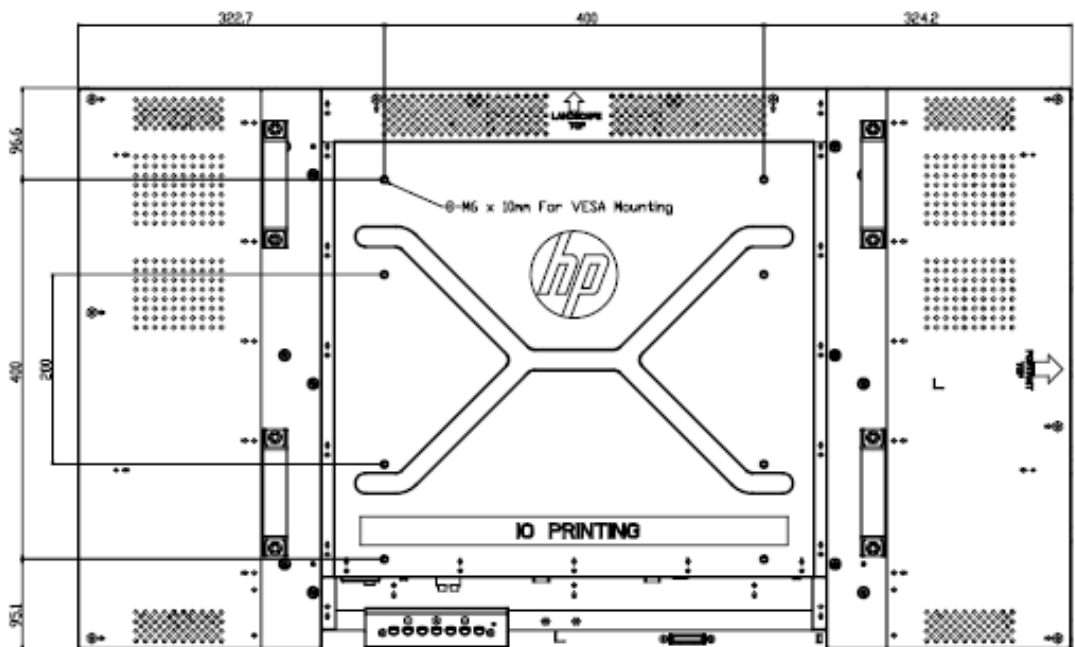
LD4730Ga Dimensions (H x W x D) See Figures C-3 and C-4 below.	**Unpacked w/o stand** (feet) **or speakers** (head only)	**59,41 x 104,9 x 10.13 cm** (23.4 x 41.3 x 4.0 in)
	Packaged	**75,3 x 127,7 x 25,5 cm** (28.86 x 50.28 x 10.04 in)
LD4730Ga Weight - maximum	**Unpacked w/o stand** (feet) **or speakers** (head only)	**29.3 kg** (64.6 lbs)
	Packaged	**34,4 kg** (75.8 lbs)

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Technical Specifications

Figure C-3 - HP LD4730Ga Front View

Figure C-4 - HP LD4730Ga Back View

Tilt Range	None
Swivel Range	None
Height Adjustable	None
Pivot Rotation	None

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Technical Specifications

Environmental	**Temperature - Operating**	**0° to 40° C** (32° to 104° F)		
	Temperature - Non-operating	**-20° to 60° C** (-29° to 140° F)		
	Humidity - Operating	20%~~10%~~ to 80% non-condensing		
	Humidity - Non-operating	5% to 95%, 38.7° C max wet-bulb		
	Altitude - Operating	**0 to 5000 m** (0 to16,404 ft)		
	Altitude - Non-operating	**0 to 12,192 m** (0 to 40,000 ft)		

Environmental Data	**Eco-Label Certifications & declarations**	This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:		

- IT ECO declaration

Energy Consumption (in accordance with US ENERGY STAR® test method)		**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 60Hz**
Normal Operation		106.09 W	102.31 W	104.64 W
Sleep		0.35 W	0.46 W	0.34 W
Off		0.26 W	0.38 W	0.26 W

Heat Dissipation*		**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 60Hz**
Normal Operation		363 BTU/hr	350 BTU/hr	358 BTU/hr
Sleep		1 BTU/hr	2 BTU/hr	1 BTU/hr
Off		1 BTU/hr	1 BTU/hr	1 BTU/hr

*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

Additional Information

- This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2002/95/EC.
- This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC.
- This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).
- Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.
- This product contains 0 % post-consumer recycled plastic (by wt.)
- This product is 98.3 % recycle-able when properly disposed of at end of life.

Packaging Materials	**External:**	PAPER/Corrugated	2450 g
		PAPER/Paper	910 g
	Internal:	PLASTIC/EPS (Expanded Polystyrene)	1473 g

RoHS Compliance

Hewlett-Packard is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis. By July 1, 2006, RoHS substances will be virtually eliminated (virtually = to levels below legal limits) for all HP electronic products subject to the RoHS Directive, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive).

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Material Usage

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/gse.pdf):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants – may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

Packaging

HP follows these guidelines to decrease the environmental impact of product packaging:
- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard

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web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

Hewlett-Packard Corporate Environmental Information	For more information about HP's commitment to the environment:
	
	Global Citizenship Report
	    http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html
	Eco-label certifications
	    http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html
	ISO 14001 certificates:
	    http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html

Options (sold separately)	**HP LD4730 Frame System - Part number A5R07AA** — Provides a finished look to your video wall with an easy-to-install frame system, custom designed for the LD4730a. Maintains the clean slim lines of the Ultra-slim bezel design.
	HP DreamColor Display Calibration Solution - Part number B1F63AA — Provides a host-less color calibration solution to assure color consistency and accuracy for all displays in a video wall. Plug colorimeter directly into display - no host PC needed. Enable field color calibration to a set white point and color coordinates so that all displays in the matrix will be set to the same white point and same RGB Color coordinates to provide color uniformity across the entire wall of displays
	HP Business PC Security Lock Kit-Part number PV606AA — Attaches to the rear of the display with a six-foot steel cable to protect it against unauthorized removal by physically connecting it to an anchor point.
	HP Digital Signage Installation Service (North America only) — A range of installation service Care Packs. See www.hp.com/hps/carepack
Other	**Accessories Included** — VGA cable, DisplayPort cable, Power cable, Remote control, IR cable, IR receiver module, Documentation kit
	Software — HP Network Sign Manger - management software which runs on any network connected media player or PC and enables central site control and management of all network attached or serial attached LD4730a/LD4730Ga displays. With HP Network Sign Manager, you can adjust all the display settings and play media files stored in the USB device. It also allows you to organize and manage network attached displays in groups, such as all the displays within a building or campus. HP Video Over Ethernet - provides video and audio signals using internet connections between the LFD and media player. It features automatic discovery of all network attached LFD, dynamic association of LFD with any media player/computer in the network, automatic re-association in case of network disruption, automatic association without any operator intervention if the "Player Name" of any network connected media player/computer is assigned to the LFD at installation through the display

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		On-Screen Display dialog, ability to change the associated media player/computer with the display in real time, and ability to associate up to 12 LFDs with any one media player/computer. All this can be done either from the associated media player or centrally from any network connected media player/computer using the Administrator Mode.
	User Guide Languages	English, Brazilian Portuguese, Spanish, French, Arabic, Czech, Danish, Dutch, Finnish, German, Italian, Norwegian, Polish, Swedish, S. Chinese, T. Chinese, Japanese, Korean
	Warranty Languages	English, Brazilian Portuguese, Spanish, French, Arabic, Czech, Danish, Dutch, Finnish, German, Italian, Norwegian, Polish, Swedish, S. Chinese, T. Chinese, Japanese, Korean
	Color	Black
	VESA External Mounting	Yes, 400 x 400mm and 200 x 400mm 4-hole pattern
	Security Lock-Ready	Yes, one security slot available
Certification and Compliance		UL UL60950-1 First Edition, cUL CAN/CSA-C22.2 NO. 60950-1-03, NOM NYCE, TUV EN60950-1, PSE J60065 (H14), J55013 (H14), CCC GB4943, GB9254, GB17625.1, PSB IEC60950-1, TUV-S (Argentina) IEC60950-1, BSMI CNS13438, CNS14336, FCC CLASS B FCC 47 CFR Part 15 Class B, ICES-003 Class B, ICES-003 Class B, CE EN55022B, EN55024, EN61000-3-2, 3, VCCI VCCI-V-2 V-3 V-4, CISPR-22B, C-Tick AS/NZS3548:1995, KCC (Korean) Requirements, Korea Energy Boy, SmartWay - NA only - Energy logistics, EUP Lot 6 Tier 1.
Compatibility		Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.
Service and Warranty		Protected by HP, including a 3 year standard limited warranty. Optional Care Pack Services are extended service contracts which go beyond your standard warranties.

1 HP Care Pack Services extend service contracts beyond the standard warranties. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts from date of hardware purchase. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at http://www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at http://www.hp.com/hps/carepack.

All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

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Summary of changes

Change Log	