Pro:Centric Smart IPTV Ultra-Slim Edge-Lit LED TV
with Integrated Pro:Idiom®

▶ **55LP870H**
55" class (54.6" measured diagonally)

▶ **47LP870H**
47" class (46.9" measured diagonally)

▶ **42LP870H**
42" class (42.0" measured diagonally)

Smart. Connected. Customizable.

One of the smartest and most flexible Hotel Television platforms in the industry.

PREMIUM SLIM DESIGN

SECOND SCREEN CONNECTIVITY / SHARING

The LP870H is designed for "second screen" support and options includes Wi-Di™, Wi-Fi Direct™ and Smart Mirroring technologies, which are used to pair guests' mobile devices with the TV enabling them to share and view their content on the large HD screen.

SMART MIRRORING/WIDI

REMOTE DIAGNOSIS

LG's IPTV's support enhanced diagnostics tools, enabling remote monitoring and fault analysis of the TVs and content delivery system via partner's application.

SMART SHARE

SMART CUSTOMIZATION

LG Pro:Centric® Smart offers SI's the ability to customize and optimize a property's TVs with interactive IP-based applications including HTML5, Java and Flash programs. With this expansion of control comes the ability to provide premium hotel services without the need for a separate set-top box. Additionally, enhanced connectivity and second-screen sharing are available to the guests with LG Smart TV technology.

CUSTOMIZABLE UI

PRE-LOADED APPLICATIONS

HISTORY AUTO-DELETE

LG's commercial grade IPTV's automatically delete guests private log-on credentials from embedded applications at power-off and also provides a further level of control for SI partners applications via the HCAP middleware layer to control deletion at guest check-out time.

WEB BROWSER

Let your guests surf the internet just like at home with LG's optional easy-to-use 'Magic' Remote Control and embedded web-browser function.

LG
Life's Good

Pro:Idiom

Global Leading Digital Rights Management System

Pro:Idiom unlocks access to premium content to help assure rapid and broad deployment of HDTV and other high value digital content.

Pro:Idiom has been designed specifically for users of premium HDTV content from cable, satellite, or video on demand (VOD) services, and is thus designed to lower costs and reduce maintenance needs. This leading DRM system is embraced for its security solution, which prevents illegal copying of copyrighted content.

Reduced Total Cost of Ownership

Remote Manager

Using LG's optional Pro:Centric server, you can remotely manage cloning and channel mapping for TVs in guest rooms without having to visit each room.

Ez MANAGER

EzManager's auto configuration function makes installation quick and easy. EzManager guides the installer to set up the TV with simple steps without having to set up the menu manually, saving time and cost.

Effectively Manage In-Room TVs

USB 2.0

The USB Cloning feature allows you to simply copy the TV settings onto all TVs using a USB stick, a process that is fully automated to save time without having to set each TV one by one.

FREE Interactive Electronic Program Guide Service for Pro:Centric® TVs!

Plan Highlights

If your property has purchased or plans to purchase LG's Pro:Centric® TVs, you qualify for a free Electronic Program Guide (EPG) that allows guests to easily navigate TV channels and programs - just like they do at home.

Participating properties must purchase and install a Pro:Centric® server and supply an internet connection for daily program updates. Properties must also contract with an LG authorized partner to install and program the server to match your Free-to-Guest (FTG) channel line up.

FREE program guide service runs until Dec. 2017, replacing the current programming fee of $1.50 per room per month.

Contact your LG sales representative or visit LG.com/us/commercial/display-discover/epg/index.jsp

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Pro:Centric Applications Platform

The LP870H is the latest in the line of Pro:Centric Televisions that provides a unique and dedicated hotel application platform for hosting LG's SI (System Integrator) Partners interactive applications, enabling delivery for a wide range of custom applications tailored to both hotel management and guest needs.

The LP870H extends the choice of interactive systems available to hoteliers through the introduction of HTML5 support in addition to the current Adobe Flash-Lite and Java support. The LP870H is also a full IPTV platform with built-in IP video decoding supporting both IP and RF connectivity. Leveraging the Pro:Centric IPTV platform enables SI Partners to integrate their STB (Set Top Box) client software directly into the Television, eliminating the need for the additional STB hardware and reducing associated capital and support costs.

The LP870H supports embedded Wi-Fi for streaming of content to the Television or back channel communications.

The LP870H platform also includes remote diagnostic tools for partners to manage their systems and monitor the TV's on the network by the head-end or cloud based server for maintenance and admin purposes. The Wake-on-LAN features allows the TV to communicate in a background mode while the TV is powered off and without disruption to the guest, providing the ability to deliver remote software updates from the head end server.

The LP870H Pro:Centric Applications Platform

Main Welcome Portal

Channel Guide
Simple Channel List: Select the broadcast logo to watch your selected TV program

Remote Help
Learn how to use the Remote controller with easily accessible menu on TV

Language
Access the system in multiple languages for international guest service from various nations.

Avoid Room Visits with LG's TV Remote Management Solution

When using LG televisions in Free-To-Guest hotel installations there are now two head-end device options for remote management of TV settings such as virtual channel mapping, cloning of installer menu settings, and other settings:

1. Integrated *b*-LAN, plus LG's Free-To-Guest Management Appliance (FMA)
2. LG's Pro:Centric server (PCS150R)

Both remote management options avoid having to visit rooms to change television settings, thereby saving labor charges to carry out this work.

Hotel Costs For Free-To-Guest Channel Management

	Estimated Labor Costs	MSRP	Total	Savings over other brand
Other brand	$20 (est.) x 2 times per year (to update channels) x 100 rooms x 5 years		$20,000	
LG Pro:Idiom TV with *b*-LAN integration plus FMA		$2,250 (FMA)	$2,250	**$17,750**
LG Pro:Idiom TV with Pro:Centric Server		$1,750 (PCS150R)	$1,750	**$18,250**

MSRP subject to change. Installation not included.

Free-To-Guest Remote Management Devices

PCS150R
HEAD-END SYSTEM

Remote management functions also supported via the Pro:Centric server. The Pro:Centric Application software can be remotely added at a later date to deliver the benefits of LG's Applications features (Weather, EPG, Billboards...)

FMA-LG101
HEAD-END SYSTEM

Manages channel line-up changes, channel label changes, designates a startup channel, cloning of commercial installer menu settings, and can set the time/date, and broadcast that information to all the terminals on a regular basis. Also, enables Pro:Idiom tuning for Pro:Idiom encrypted content.

green 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 Environmental Protection Agency's television product specifications.
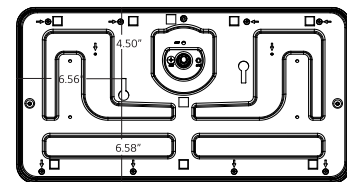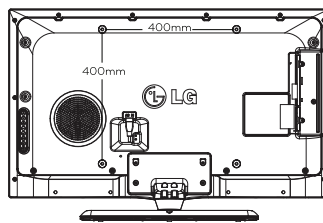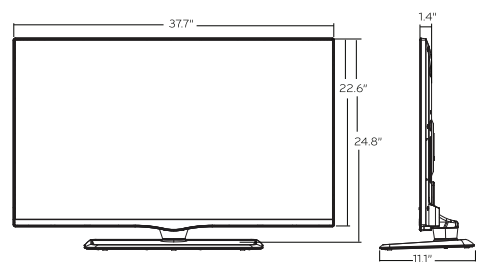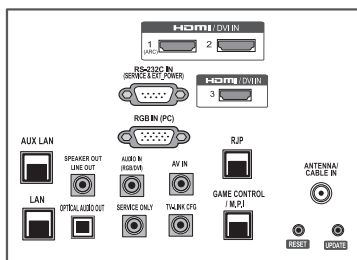
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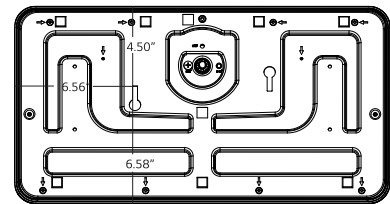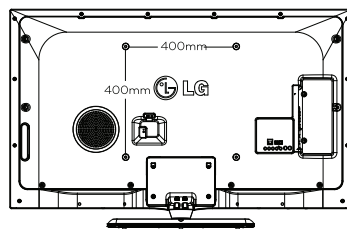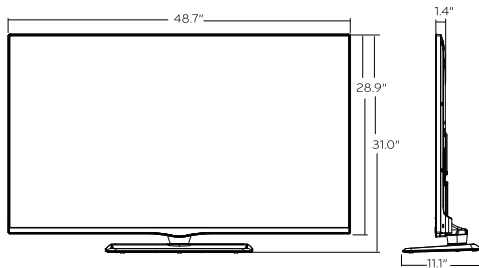
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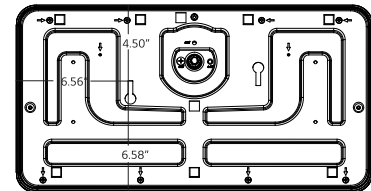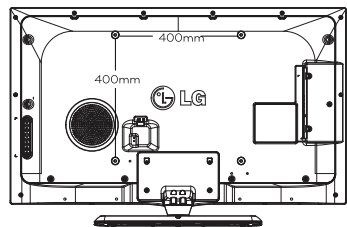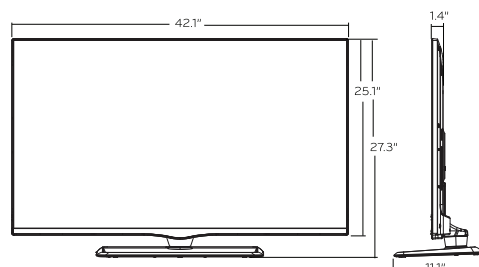
42LP870H

REAR JACK PANEL

SIDE JACK PANEL
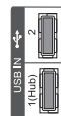
Anti-Theft System The Anti-theft system provides security to prevent TVs theft. Consisting of a Kensington Lock, a Credenza and Lock Down Plate.

Kensington Lock
- LG Hotel TVs are protected by the reliable solution the Kensington Lock.

NEW! Reinforced Metal Stand
- Full metal reinforced stand and neck to improve sturdiness, durability and safety.
- Provides (± 20/45/90 degrees) Swivel

Lock Down Plate with Credenza Hole
- Lock the TV firmly to the TV stand for added security and help deter theft.
  (Mounting plate, security bolts, nuts and screws are included)

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HOSPITALITY

	Model	55LP870H	47LP870H	42LP870H
PANEL	Panel Technology	Edge lit LED		
	Panel Size	55" Class (54.6" meas. diag.)	47" Class (46.9" meas.diag)	42" Class (42.0" meas. diag.)
	Native Resolution	1920 x 1080 (FHD)		
	Dynamic CR	1,000,000		
	Viewing Angle (HxV)	178°/178°		
	Response Time	8ms		
	Frame Rate	120Hz		
BROADCASTING SYSTEM	Analog	Yes (NTSC)		
	Digital	Yes (ATSC / Clear QAM/VSB)		
VIDEO	XD Engine	Yes		
	24p Real Cinema (24p 5:5/2:2 Pull down)	Yes		
	Eye Care (Anti Dazzling)	Yes		
AUDIO	Audio Output	10W + 10W		
	Speaker System	1 Way 2 Speakers		
	Infinite Sound	Yes		
	Invisible Speaker	Yes		
	Clear Voice II	Yes		
SPECIAL FEATURES	Pro:Centric	Yes		
	b-LAN	Yes		
	Hybrid Streaming (IP & RF)*MultiCast/HTTP Data Carousel	Yes		
	RF(1/2Tuner)	Yes (2 Tuner)		
	Preloaded Applications (Pro:Centric Smart)	Yes (Facebook, Twitter, Google Maps, Accuweather, Internet Browser)		
	Web Browser	Yes		
	HCAP (GEM/FLASH/HTML)	Yes		
	Instant On/Warm Mode	Yes		
	EzManager	Yes		
	Remote Diagnostics	Yes (USB and remote)		
	Smart Share/WiFi Direct	Yes (Smart Share)		
	Smart Mirroring	Yes		
	DLNA(Movie/Photo/Music)	Yes		
	WiDi (Intel)	Yes		
	Simplink (HDMI-CEC)	Yes (1.3)		
	HTNG-CEC 1.3	Yes		
	Pro:Idiom	Yes		
	SI Compatible (TVLink Protocol)	Yes (MPI protocol)		
	Hotel Mode/ PDM /Installer Menu	Yes		
	IR Out (TV Link Tuner)	Yes (MPI Jack)		
	External Speaker Out	Yes (Variable/Fixed/Line Out, 3.5mm, Stereo, Single ended Type(GRD,L+,R+), 1W with 8Ω)		
	RJP Interface	Yes (RJ45, HDMI)		
	RJP Compatibility	LG,Teleadapt (RJ45, HDMI CEC), G-Link (HDMI-CEC)		
	PIP	Yes (except HDMI-HDMI, AV-AV)		
	External Power	Yes (RS-232C, 12V/1.0A)		
	USB	USB2.0 (Media Host)		
	Moving Picture Playback (SD/HD/Plus HD)	Divx HD		
	Picture	JPEG		
	Audio Codec	AC3(Dolby Digital), EAC3, AAC, Mpeg, MP3, PCM		
	USB Cloning	Yes		
	One Channel Map/ Logical Channel Map	Yes (LCM)		
	Multi IR Code	Yes		
	Welcome Screen (Splash Image)	Yes		
	Auto Off /Auto Sleep	Yes		
	Video Mute	Yes		

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SPECIAL FEATURES (Cont.)	Smart Energy Saving	Yes		
	Optional Magic Remote Control	Yes (Sold Separately, part# AN-MR300)		
	Kensington Lock	Yes		
	Credenza/Security Screw Hole	Yes		
	Lock Down Plate	Yes		
	Commercial Grade Stand	Yes		
INTERFACE (Side)	USB (2.0)	2 Side		
INTERFACE (Rear)	RF In	1 Rear		
	AV In	1 Rear		
	Digital Audio Out (Coaxial / Optical)	1 (Optical)		
	HDMI/HDCP Input	3 Rear		
	RGB In (D-sub 15pin) - PC	1 Rear		
	PC Audio Input	1 Rear		
	RS-232C (D-Sub 9pin)	1 (SVC, Power outlet 12V)		
	LAN Port	2 Rear		
	RJ45 (RJP interface)	1 Rear		
	External Speaker Out	1 Rear (3.5mm phone jack)		
	TV link Configuration (phone jack type)	1 Rear		
	MPI Port	1 Rear		
CABINET	Bezel Width (on Bezel) (mm)	13.5mm/26.1mm	13.5mm/24.9mm	13.5mm/24.9mm
	Bezel Width (off Bezel) (mm)	4.0mm/22.5mm	4.0mm/22.1mm	4.0mm/22.1mm
	With Stand	48.7" x 31.0" x 11.1"	42.1" x 27.3" x 11.1"	37.7" x 24.8" x 11.1"
	Weight	52.2 lbs	40.3 lbs.	36.8 lbs.
	Without Stand	48.7" x 28.9" x 1.4"	42.1" x 25.1" x 1.4"	37.7" x 22.6" x 1.4"
	Weight	44.1lbs	32.4 lbs	27.3lbs
	Carton	60.8" x 33.8" x 6.9"	51.7" x 29.9" x 6.3"	46.4" x 28.1" x 5.7"
	Weight	66.6 lbs.	52.5 lbs.	44.3 lbs.
	Swivel	Yes (± 20/45/90°)		
	Color	Black with Hairline finish		
	VESA™ Standard Mount Interface	400mm x 400mm		
	Flame Retardant	Yes (Back Cover only)		
REQUIRED LISTINGS	Safety	cUL, UL, FCC, NOM		
	RoHS	Yes		
	Energy Star 6.0	Yes		
UPC		7 19192 90425 5	7 19192 90424 8	7 19192 90423 1
POWER	Power Source	110 ~ 240V, 50/60Hz		
	Watts (Typical)	72.8W	67.1W	61.5W
	Stand-by	<0.5W		
WARRANTY	2-Year Limited Warranty (Parts/Labor)			

REMOTE JACK PANEL COMPATIBILITY (RJP): G-LINK, teleadapt (Keeping Your World Connected™), LG

COMPATIBLE INTERACTIVE SYSTEMS (SEPARATE SET-TOP BOX MAY BE REQUIRED): SONIFI, Enseo, swisscom, Guest-tek, LOCATEL, NEVOTEK, iBAHN, KoolConnect, NXTV, Quadriga, DirectStreams, acentic, ROOMLINX, m.com, ACUTEK SOLUTIONS, infovalue IPTV EXPERTS, nStreams
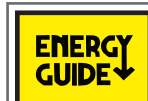
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All screen images are simulated. Dimensions and weights are approximate. Design, features and specifications subject to change without notice.