

EU/CIS

LG COMMERCIAL TV

INFORMATION DISPLAY AND SOLUTIONS



Pro:Centric®
SMART

Pro:Centric®
V

Commercial
Lite

SuperSign
TV



LG B2B Ukraine
str. Novokonistyninivskaya 2
04080 Kyiv, Ukraine
E-mail: info@lg-b2b.com.ua
www.lg-b2b.com.ua

www.lg-b2b.com.ua <https://www.facebook.com/LGB2BUkraine>
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The ideal partner, offering unrivaled technology for the hospitality industry

LG's commercial TVs featuring innovative technology, such as OLED and IPS, deliver a new level of experience in hospitality. Our innovation continues to bring luxury to spaces thanks to ultra-slim designs, while adding value through revolutionary screen quality. As the ideal partner for the hospitality industry and constantly seeking to upscale its quality of service, LG commercial TV is the solution for hoteliers and their customers.

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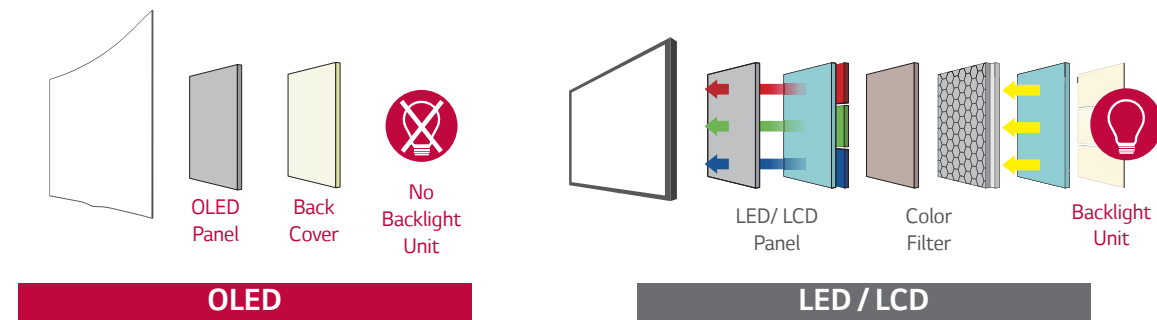


LG COMMERCIAL TV HIGHLIGHTS

*Features may vary by each models and inches.

OLED TECHNOLOGY FOR COMMERCIAL TVs

OLED featured on LG commercial TV is a new display technology that overcomes the limits of current displays in both picture quality and design. Since OLED pixels emit their own light, there's no longer any need for a backlight panel, allowing for an ultra-slim display. It also shows more luxurious, vivid images with enhanced colors. LG OLED TV is a perfect match for a wide range of spaces and delivers the best image quality.



PREMIUM DESIGN AND PICTURE QUALITY

The ultra-slim design of LG commercial TVs provides a sophisticated and luxurious presentation of guest accommodation, enhancing overall atmosphere as well as advertising the hotel's quality of service. LG's innovative IPS panel also delivers consistent picture quality and color from any viewing angle, making it ideal for hotel rooms and larger spaces where a superior visual experience is required.

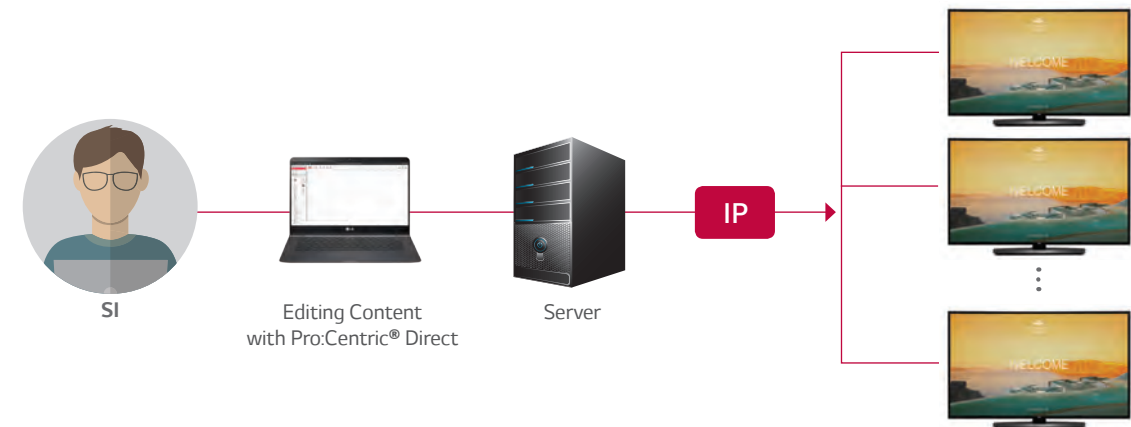


ADVANCED SOFTWARE SOLUTION

Pro:Centric® Direct

Hospitality-Dedicated Content Management IP Solution

Pro:Centric® Direct is a hotel content management system that supports simple editing tools and provides various solutions, such as 1-click service and IP-network-based remote management.



Fully Customizable Content

Fully customize and tailor content to suit guests' needs. Pro:Centric® Direct offers a user-friendly environment for editing your own templates, with features such as blank design templates, drag & drop editing and animation effects.



Editing Support Tools

Pro:Centric® Direct supports intuitive and stylish templates (e.g. Cinematic, Bar, Grid), polished background images and selected music. In utilizing these support tools, you can save the time and costs spent on creating and editing content.



Grouping for Customized service

With the group management function, the hotelier is able to provide different channels to a group or room according to each guest's room rate and the purpose of their visit. Through the provision of proper and timely service, guest satisfaction during their stay will be increased.



Remote management via IP network

Firmware updates, splash screen setting and TV configuration for TVs in all rooms are available through the IP network. It's also possible to monitor a TV's basic information (serial number, IP address, room number etc.) at a central location with no need to visit each display individually.



Interactive service

Customers no longer need to locate a contact number, call the concierge and find the person in charge : room service, room cleaning and laundry services can be requested through the TV, 1-Click Service, with requests being monitored by managers from the control center where they can respond as required.



Advertisement tools

Pro:Centric® Direct supports banner ads, tickers and notices, allowing hotel managers to deliver advertisements and messages at specific times and locations to optimize their effect.

LG COMMERCIAL TV HIGHLIGHTS

*Features may vary by each models and inches.

ENHANCED GUEST IN-ROOM ENTERTAINMENT

Enhanced OTT (Over The Top)

The LG commercial SMART TV raises the bar for in-room entertainment with OTT (Over The Top) content. It contains well-known, customer-preferred apps and delivers a more enjoyable customer experience. Apps can be preloaded and managed online by the recently upgraded Partner Portal*.

*Partner Portal : <http://partner.lge.com/gateway.lge>

Download Smart Apps with LG Smart Hospitality Lounge



What's special?

1 Various Applications (Movie, Broadcast, Game, etc)

Download various Smart TV Applications dedicated to commercial environments such as hotels, airports.

2 Easy and Handy Management

Manage all applications of entire TVs with easy. You do not need to visit all rooms, what only you should do is to register your TVs on the site and download applications at once. You can manage applications by country and models.

Steps to Use Lounge



Convenient Accessories

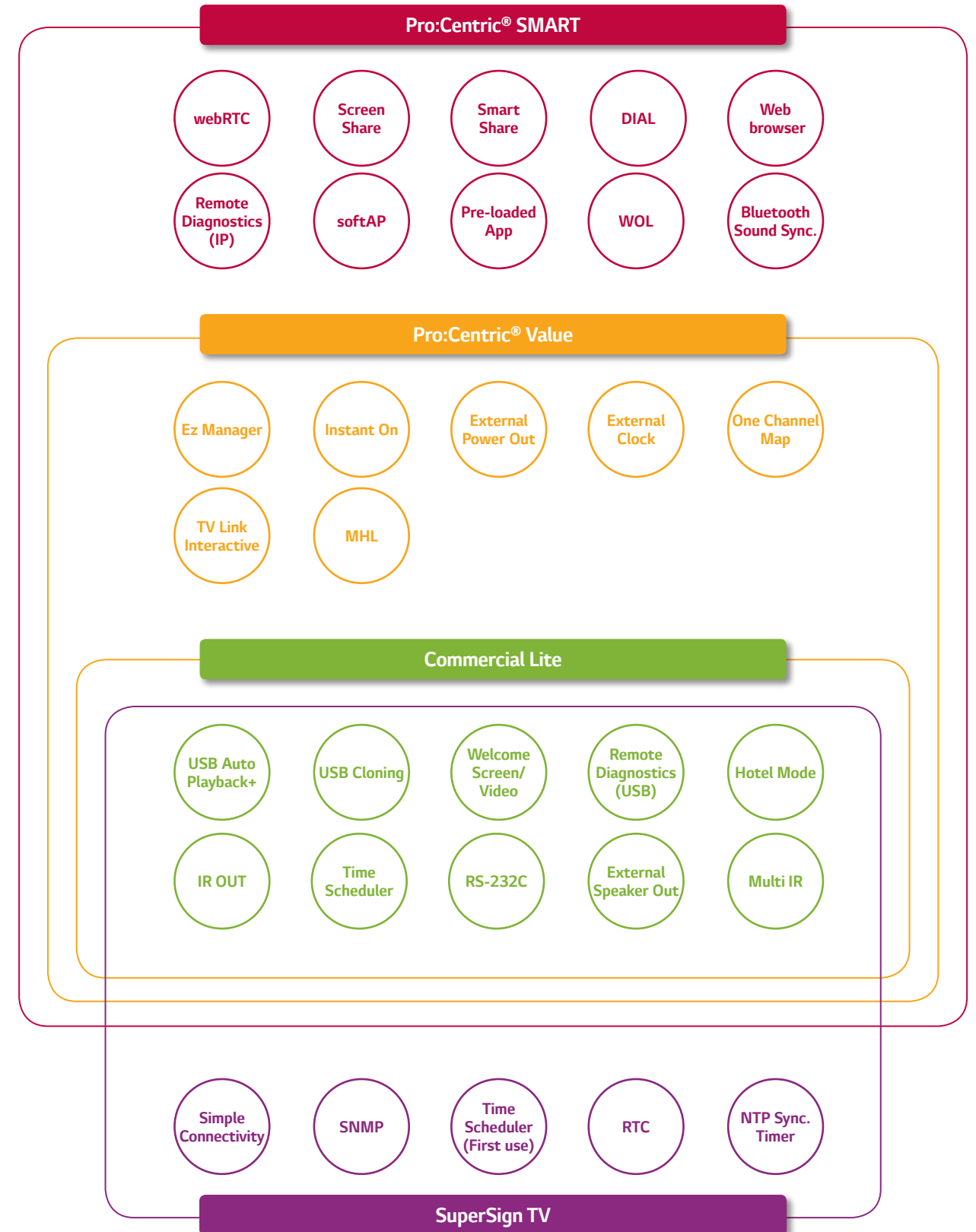
Even the TV's accessories make for a more comfortable hotel stay for guests. Not only can they enjoy vivid, high-resolution images, but also the convenience of the Commercial Magic Remote and swivel stand, for higher customer satisfaction and superior service quality.



LG COMMERCIAL TV CATEGORY

*Features may vary by each models and inches.

LG Commercial TVs are mainly classified into Pro:Centric® Smart, Pro:Centric® V, Commercial Lite and SuperSign TV.



Pro:Centric® SMART

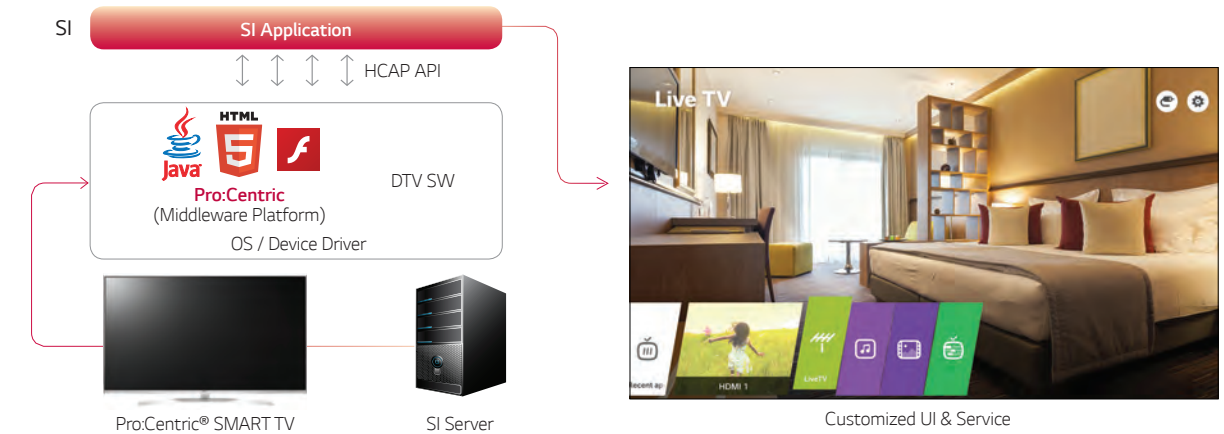
A Premium Smart Solution via IP&RF network

Pro:Centric® SMART is optimized for customizing hospitality services for hotel brands and guests through an IP & RF infrastructure. With its high picture quality, sophisticated design and advanced connectivity functions, it upscales in-room entertainment and increases convenience through implementation of high-end technology.



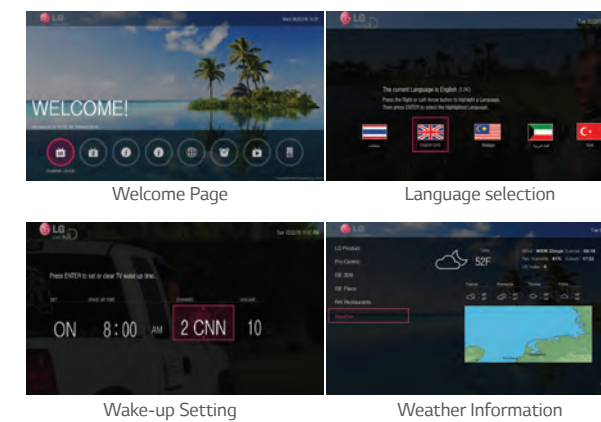
Pro:Centric® SMART Application Platform (IP)

LG Pro:Centric SMART offers extended customizable tools; HTML5, GEM and Flash. With these, the partners can optimize Commercial TVs to edit and develop their own enhanced service design. Also, it gives visual impact on and delivers messages to customers as users intend.



Pro:Centric® Server Application (RF)

You can now differentiate your hotel with our customizable templates and pages which can be specialized for your property. Pro:Centric® provides you a solution that is easily customizable for your business.



Various Features

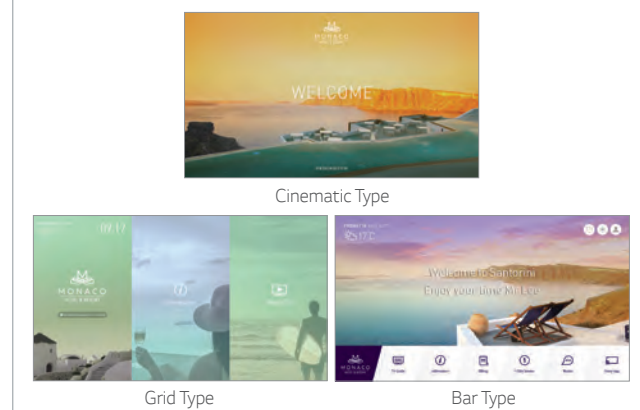
PCA serves the convenience of the guest through a Wake-up setting, Weather Information, Map Service, and much more functions that you can choose.

Customizable Template & Page

Choose an alternative look & feel template based on your reference, and edit multiple sections with 40 pages of billboards by yourself with the web based tool.

Pro:Centric® Direct Support (IP)

Simply create your own templates and remotely manage TVs on the IP network with Pro:Centric Direct, LG's content management software. Pro:Centric Direct offers a free design template, along with customizable widgets and three types of theme templates (Cinematic-type, Grid-type, Bar-type) in order to promote branding and meet guests' tastes and needs. Its interactive solution, including 1-click service, and intuitive UI impress guests while elevating their hotel experience. Plus, for hoteliers, not only does it offer efficient content production and management, but it also maximizes advertisement effectiveness, which contributes to improving the hotel brand.



*Only for EW961H, UW961H, UW950H, UW761H, and LX761H

Pro:Centric® SMART

*Features may vary by each models and inches.

*Features may vary by each models and inches.

ULTRA HD TV

4K Resolution

ULTRA HD is the future of digital picture, possessing four times higher resolution than that of full HD. Stunning 8.3 million pixels gives a flawless picture quality and incredibly vivid detail.



4K Upscaler

Enjoy Full HD content in 4K ULTRA HD quality. The 4K Upscaler automatically upgrades Full HD content to ULTRA HD through the six steps of the upscaling processes.



Premium Design and Sound

UniScreen

UniScreen provides high-lighted screen with the super narrow bezel. With it, not only our guests can enjoy immersive viewing experience, the hotel managers can convey messages in a more effective way.



CINEMA SCREEN

CINEMA SCREEN design brings the cinematic viewing experience through the minimized bezel. With the narrow bezel, not only your guests can enjoy immersive viewing experience, but you also convey messages in a more effective way.



Sound Designed by harman/kardon

harman/kardon brings a new level of premium sound up to its reputation as one of the global audio brands. The superb sound quality creates an immersive environment.



Smart Connectivity

Smart Share

Smart Share allows users to share content more easily and quickly. It also searches for the content they want in order to share it more easily and accurately, thereby simplifying the process of sharing between various devices.



Screen Share

Connect a smartphone or a laptop PC to TV via a Wi-Fi Direct connection. The TV will display the device's screen, and users can share their content and memories together.



Bluetooth Sound Sync (Bluetooth 3.0)

Bluetooth Sound Sync enables users to listen to music on a mobile device through TV speakers via Bluetooth connection.

* Support devices for Bluetooth Sound Sync: Android (above v4.4 KitKat) / iOS based Mobile Device



Smart Experience

webRTC Ready

webRTC provides an application development environment for video calling, video chat and P2P (Person-to-Person) file sharing. Guests can look at and communicate each other without visiting rooms.



* Separate server or SI's webRTC-based- telecommunication solution is required for telecommunication between two TV sets.

SoftAP

SoftAP means Software enabled Access Point. This "Virtual" Wi-Fi feature executes by software working on the device to create a wireless hotspot.



* SoftAP should be set in installation menu after TV is on.
* Smart Mirroring may not be operated at the same time.

Magic Remote Ready

Take control of your entertainment experience with a new level of remote control convenience. Spend less time for searching and more time for enjoying.



Smart Management

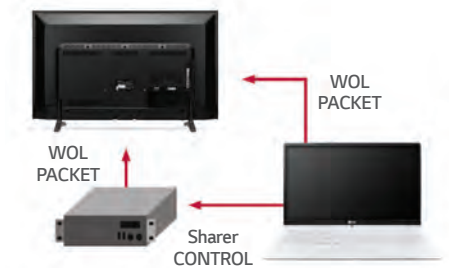
Remote Diagnostics

Save big on the expenses of managing the commercial TVs with Remote Diagnostics. Real-time Remote Diagnostics report detects error in advance to prevent TVs from any malfunction.



Wake-up On LAN

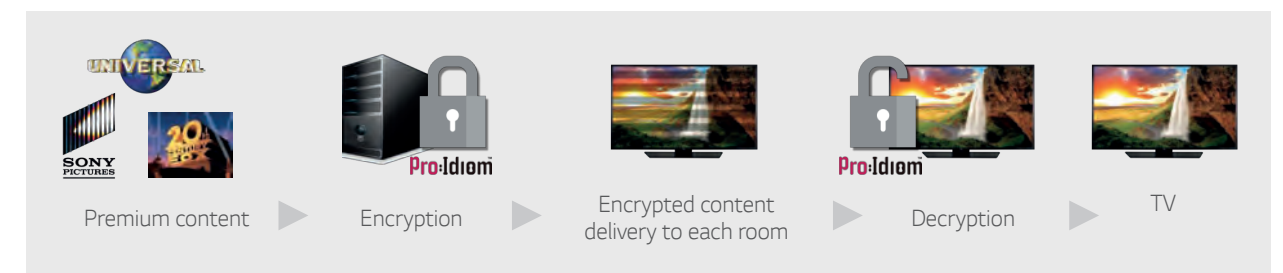
WOL is the Ethernet computer networking standard to turn on TV or PC by transferring a network message. The message is transferred through another computer connected the same local area.



Smart Digital Right Management

Pro:Idiom®

DRM technology unlocks access to premium content to help assure rapid and broad deployment of HDTV and other high value digital contents.



Pro:Centric® SMART



FIRST OLED HOTEL TV EW961H

EU/CIS

55" 65"

- Blade Slim, CINEMA SCREEN
- harman/kardon® Sound, OLED Surround
- DRM : Pro:Idiom®
- Media Share
- Bluetooth Sound Sync
- Solution : Pro:Centric® SMART/V/Direct
- HCAP (SDK) : GEM/Flash/HTML5

Why OLED Technology

Blade Slim

Innovative reduction of thickness

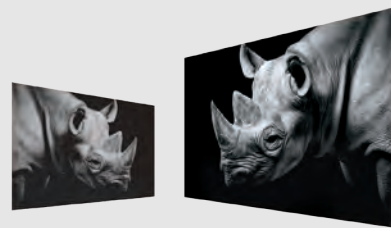
Artistic thin design of the EW961H perfectly matches and blends into any types of hotel rooms. Its extremely thin depth makes better use of the space.



Infinite Contrast

Limitless contrast and deepest black

Self-lighting pixels switch off completely to reproduce black. No light bleed. Absolute black offers infinite contrast, and guests can appreciate its clarity.



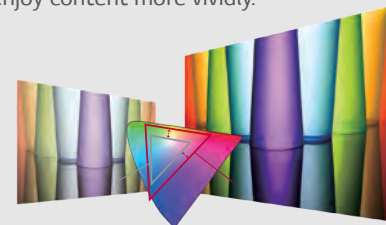
LCD

LG OLED

Intense Colors

Vibrant picture quality

OLED Hotel TVs bring colors to life with superb accuracy. Self-lighting pixels give the TV expanded color scope, delivering finest details of color and gradation. This enables guests to enjoy content more vividly.



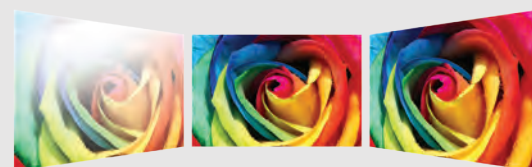
LCD

LG OLED

Perfect Viewing Screen

Wide viewing angle

LG OLED Commercial TVs delivers awe-inspiring picture quality across the entire screen, even from wide viewing angles.



LCD

LG OLED

UW961H | 49" 55" 65"

EU



- ULTRA HD
- ULTRA Slim, UniScreen, UniBody
- harman/kardon® Sound, ULTRA Surround
- DRM : Pro:Idiom®
- Media Share
- Bluetooth Sound Sync
- Solution : Pro:Centric® SMART/V/Direct
- SDK (GEM/Flash/HTML5) & webRTC API

UW950H | 43"

EU



- ULTRA HD
- ULTRA Slim, UniBody
- ULTRA Surround, Frontal Speaker
- DRM : Pro:Idiom®
- Media Share
- Bluetooth Sound Sync
- Solution : Pro:Centric® SMART/V/Direct
- SDK (GEM/Flash/HTML5) & webRTC API

UW761H | 43" 49" 55"

EU/CIS



- ULTRA HD
- Black Bezel with Commercial Swivel Stand
- DRM : Pro:Idiom®
- Media Share
- Bluetooth Sound Sync
- Solution : Pro:Centric® SMART/V/Direct
- SDK (GEM/Flash/HTML5) & webRTC API

*Actual swivel stand may differ from the image.

LW760V | 22" 24" 28"

EU



- HD
- DRM : Pro:Idiom®
- Media Share
- Bluetooth Sound Sync
- Solution : Pro:Centric® SMART/V
- HCAP (SDK) : GEM/Flash/HTML5

LX761H | 32" 43" 49" 55"

EU



- FHD
- Black Bezel with Commercial Swivel Stand
- DRM : Pro:Idiom®
- Media Share
- Bluetooth Sound Sync
- Solution : Pro:Centric® SMART/V/Direct
- HCAP (SDK) : GEM/Flash/HTML5

*Actual swivel stand may differ from the image.

LW641H | 32" 43"

EU/CIS



- FHD
- Black Bezel with Commercial Swivel Stand
- Media Share
- Bluetooth Sound Sync
- Solution : Pro:Centric® SMART/V
- HCAP (SDK) : GEM/Flash/HTML5

*Actual swivel stand may differ from the image.

*43" is for EU

Comprehensive hospitality solution via RF network

Pro:Centric® V provides comprehensive solutions in RF infrastructure. Through the Pro:Centric Server and Application, hoteliers are able to customize their settings in line with hotel branding concepts and deliver information on hotel facilities and wake-up call services, weather forecasts and other messages to guests, all while reinforcing the hotel's brand image.

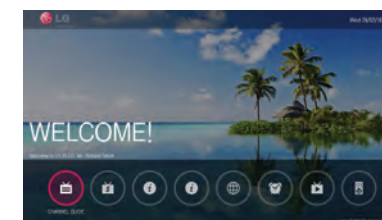


Pro:Centric® Application Version 3.7 Upgraded Features

Pro:Centric Application v. 3.7 provides more intuitive and elegant templates than the previous version, and is available in 3 additional languages. This makes it easier for guests to access information and enables managers to deliver messages in a more effective way.

New Templates

Pro:Centric Application (PCA) v. 3.7 provides one new template, making a total of three templates, that customers can select according to their preference.



Welcome Image of PCA v3.7

39 Languages

39 languages including Hebrew, Arabic and Farsi, and language alignment are supported, making your guests' stay a more comfortable one.



Easy Content Creation & Management

Customizable Template & Page

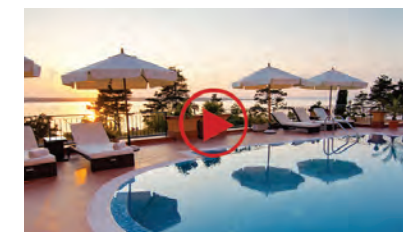
Choose an alternative look & feel template based on your preference, and edit multiple sections with 40 pages of billboards by yourself with the web based tool. (Max 15pages / section Available)



*Based on PCA 3.7

Multi Channel Pooling

Operation of up to 8 hotel channels (22 sub-channels) can offer various information and added services.



PMS Interfaced Services

The Pro:Centric® Application offers guest-centric services, such as a welcome page with the guest's name, auto language setting and billing information with the Property Management System(PMS) interface.

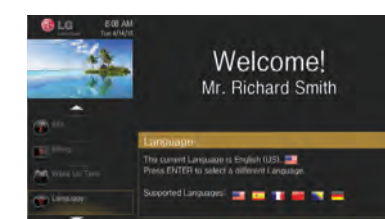
Welcome Message

Warm greeting message including guest's name.



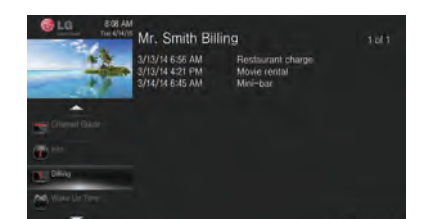
Automatic Language Setting

Default language settings based on the guest's nationality.



Billing Info

Guest's billing information automatically updated via PMS.



Pro:Centric® V

*Features may vary by each models and inches.

Features

EzManger

EzManager provides convenient installation function that helps to set up Pro:Centric TV settings automatically without extra effort of configuration. Auto-installation requires 1~3 minutes while manual installation requires 3~5 minutes.



Instant On

The high speed loading system enables users to enjoy content immediately after turning on the TV.



External Power Out

No extra set-top box power cable is necessary for STB usage. Just connect your STB to LG Hotel TV without a need for extra power but be supplied all from LG Hotel TV.



External Clock

Easily attach an external clock to your hospitality TV. Guests can quickly check the time just by looking at the TV, and all it needs is an RGB interface connection.



One Channel Map

The One Channel Map feature allows users to edit and list the channels of their choosing from any of the various broadcasting signals.



Commercial Swivel Stand

Expand the range of comfort for the guests with a commercial grade stand by allowing them to watch a TV from any angle.



LW541H

EU

32" 43" 49"

- FHD
- Black Bezel with Commercial Swivel Stand
- Solution : Pro:Centric® V
- Embedded Customizable Templates
- TV Link Interactive
- PMS Interfaced Service Ready
- Instant On, External Power, External Clock Ready, Welcome Video/Screen

*Actual swivel stand may differ from the image.



LX530H

EU

22" 28"

- HD
- Solution : Pro:Centric® V
- Embedded Customizable Templates
- TV Link Interactive
- PMS Interfaced Service Ready
- Instant On, External Power, Welcome Video/Screen

*Adaptor Type



LW341H

EU

32" 43" 49"

- FHD
- Black Bezel with Commercial Swivel Stand
- Solution : Pro:Centric® V
- Embedded Customizable Templates
- PMS Interfaced Service Ready
- Welcome Video/Screen

*Actual swivel stand may differ from the image.

Commercial Lite

Essential Commercial TVs tailored to Commercial environments

Improve management efficiency and offer a warmer welcome to guests. Featuring Welcome Video/Image, USB Cloning and other convenient functions, LG Commercial Lite TVs are able to lighten the management burden and make customers feel cared for in numerous business environments.



Features

USB Auto Playback+

Create and sequentially play playlists composed of informative media (video, music and image) you choose without PC and any installation.



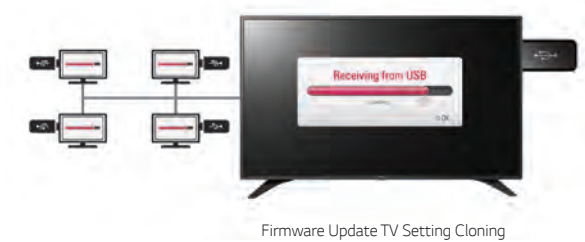
Time scheduler

Create your own time scheduler of your Commercial TV. Once you set opening/ closing hours and holidays, the TV will turn on/off according to work schedule.



USB Cloning

Clone all commercial TVs with astonishing speed and ease. The USB Cloning feature allows you to simply copy the TV settings to all TVs using a USB memory device.



Firmware Update TV Setting Cloning

Welcome Video/screen

With the capability to display repeatedly various video formats as well as images, Commercial Lite TVs allow for a greater variation of greeting messages in hotel rooms which make customers feel more welcome and cared for.



Hotel Mode

Be in total control with Hotel Mode. Have the capability to change every TV setting, or reset to default in every room.



Multi IR

Multi IR function eliminates the remote control signal interference between TVs in multiple dwelling beds. This system will work using the same LG TV model.



Commercial Lite

*Features may vary by each models and inches.

Features

External Speaker Out

Enhance the entertainment experience by adding an additional speaker. Guests listen to and control the TV audio from anywhere in the business areas, including restrooms.



IR Out

Using the interactive set-top-box, all LG TVs can be controlled with a single remote.



RS-232C

Via the TV's RS-232C port, you can remotely control power and volume settings simultaneously.



UW341C | 75"



- UHD
- Commercial Smart UX (Smart Home)
- WoL (Wake on Lan)
- Media Share
- Bluetooth Sound Sync
- IR Out, USB Cloning

EU

LW341C | 28"



- HD
- Diagnostics (USB)
- Welcome Video/Screen
- IR Out, USB Cloning, External SPK Out
- USB Auto Playback+, Time Scheduler
- Built In Power

EU

LW340C | 32" 43" 49" 55"



- FHD
- Diagnostics (USB)
- Welcome Video/Screen
- IR Out, USB Cloning, External SPK Out
- USB Auto Playback+, Time Scheduler

EU/CIS

LW310C | 43" 49"



- FHD
- Diagnostics (USB)
- Welcome Video/Screen
- IR Out, USB Cloning
- USB Auto Playback+, Time Scheduler

EU/CIS

LW300C | 32"



- HD
- Diagnostics (USB)
- Welcome Video/Screen
- IR Out, USB Cloning
- USB Auto Playback+, Time Scheduler

EU/CIS

LH501C | 32" 43"



- FHD (43"), HD (32")
- DVB-T2/C
- HDMI, USB 2.0
- True Black Control
- Sound Sync

EU

*Adaptor Type

*Product images can vary by regions and inches.

SuperSign TV

Live TV and Advertisements on One Screen

SuperSign TV enables both TV broadcasting and promotional display in one screen via a built-in TV tuner. With SuperSign TV, managers can efficiently and timely deliver messages/promotion while customers enjoy watching live TV simultaneously. SuperSign TV will help you to achieve ease of efficient operation.



LW540S

EU/CIS

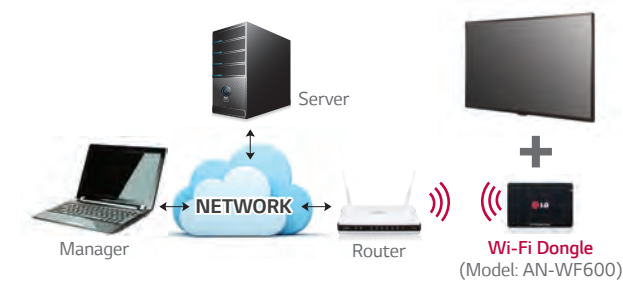
43" 49" 55"

- FHD
- USB Auto Playback+, Time Scheduler, SNMP
- Built-in Speaker and TV Tuner
- Wi-Fi Dongle Ready
- Fail Over (Internal Memory Only)
- RTC (Real Time Clock), NTP (Network Time Protocol)
- SuperSign Lite (Free)/C (Free)/Simple Editor (Free)/W Compatibility

Features

Simple Connectivity

With Wi-Fi dongle support, distribution of advertisement content has been simplified. By removing the need of an external media player and Ethernet/RS-232C cables, the total cost of ownership (TCO) can be reduced.



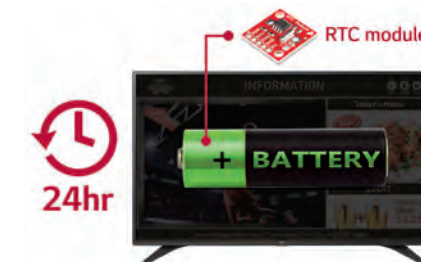
Fail Over (Internal Memory only)

The USB fail over function enables content to be displayed without dead spots when no input signal is available. This feature supports files in JPG format with a maximum file size of 10 MB.



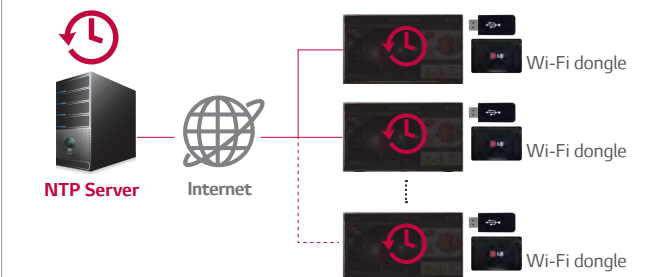
RTC

Save time and improve convenience with RTC (Real Time Clock). When the TV's power is off, time information is stored on the RTC module via an internal memory, and a time sync process can be omitted as the TV turns on.



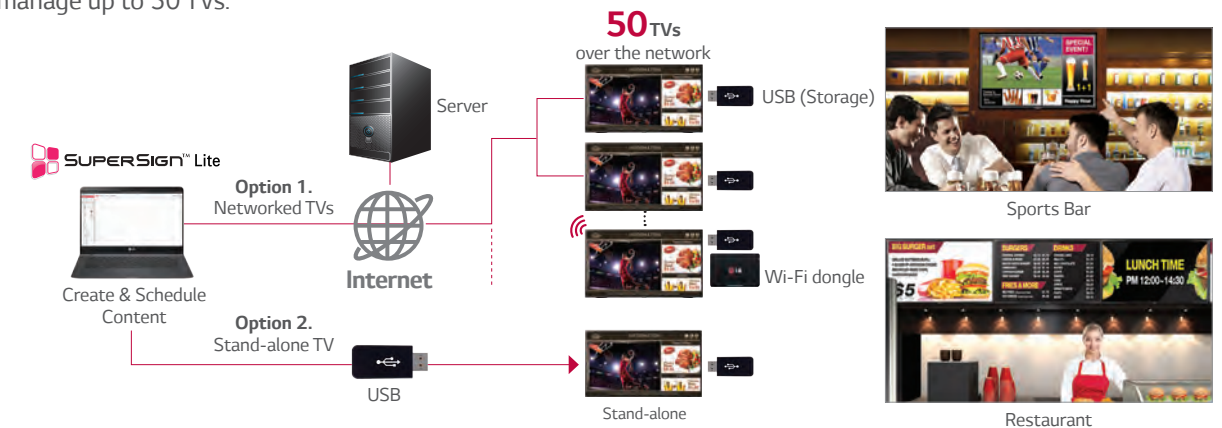
NTP

With NTP (Network Time Protocol), the TV receives real time updates from the network and synchronizes its time accordingly.



SuperSign™ Solutions

The SuperSign™ Solution includes SuperSign™ Lite, SuperSign™ C and SuperSign™ Simple Editor to provide digital media editing, scheduling, distribution and management capabilities. By installing SuperSign Lite on a server, you can manage up to 50 TVs.



Peripherals

Set Top Box

Smart Set Top Box with webOS

STB-3000

EU



- IP Based STB (Pro:Centric® SMART)
- Supports SDK (HTML5, GEM, Flash)
- Guest Connectivity :
DLNA, WiDi, Smart Mirroring, Wi-Fi Direct
- Compatibility Commercial TV via TV Link Protocol
- Embedded Pro:Idiom Decryption

Pro:Centric Server

Simple Content Management via RF or IP Distribution Network

PCS200S

EU/CIS



- Power PC e500v2 Dual Core SoC
- 1 GHz System Clock
- 4GB 1.3 GHz DDR3 SDRAM
- 4GB Micro SD Memory
- Linux OS kernel 3.4

Accessories

Several Accessories Ready for Commercial TVs

LEC-003

External Clock



- Automatic Time Setting (Summer Time)
- Attaching Method with 3M Dual Stickers (Black)
- Alarm/Buzzer/Luminance Control Available
- Compatible with UW9, UW7, LW5, LX7 Series

AN-MR600/650

Magic Remote



- Gesture, Pointing, Wheel
- MR650 Compatible with EW9, UW9, UW7, LW6 Series
- MR600 Compatible with LX7 Series

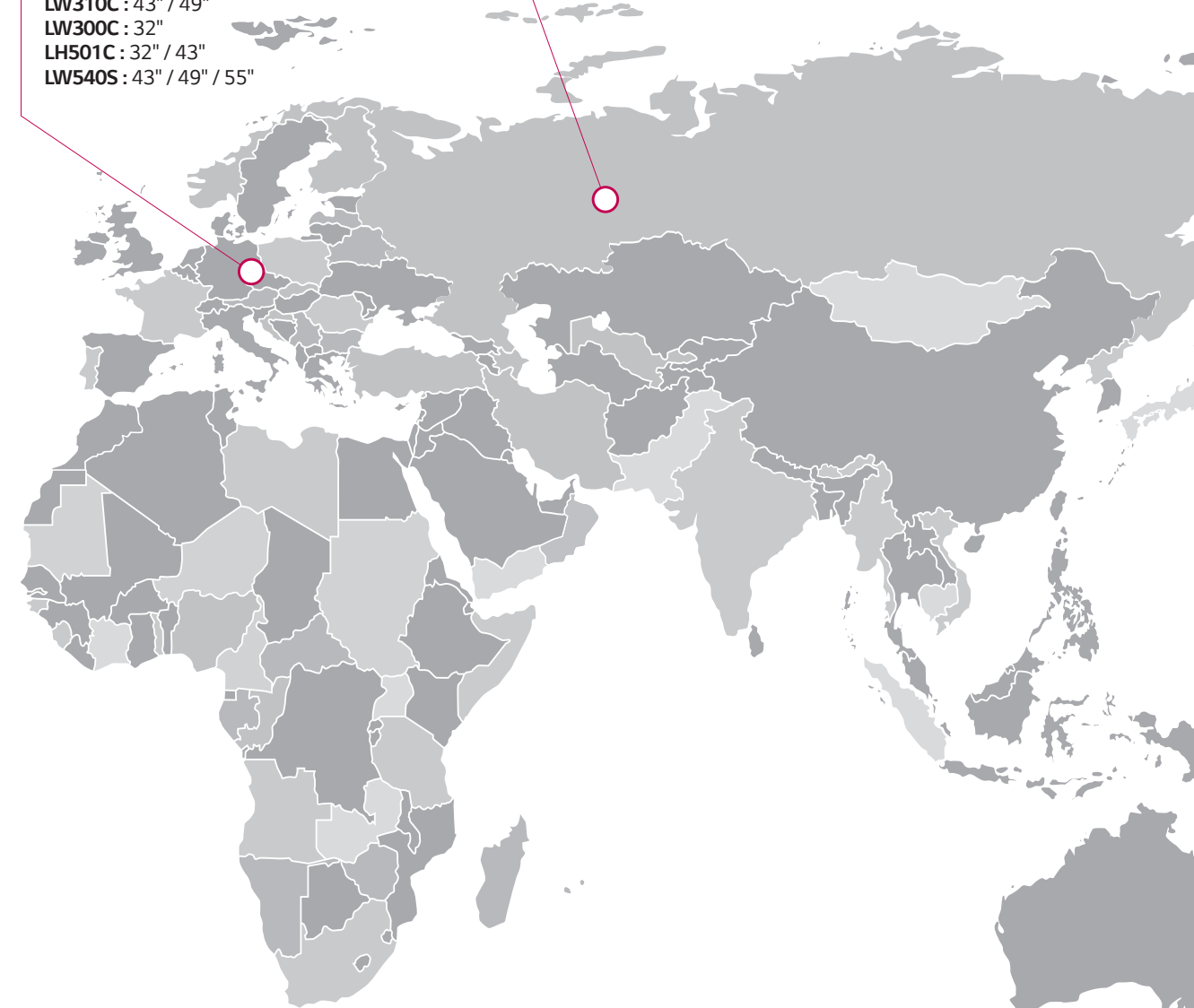
EU / CIS Line up

EU

- EW961H : 55" / 65"
- UW961H : 49" / 55" / 65"
- UW950H : 43"
- UW761H : 43" / 49" / 55"
- LW760V : 22" / 24" / 28"
- LX761H : 32" / 40" / 43" / 49" / 55"
- LW641H : 32" / 43"
- LW541H : 32" / 43" / 49"
- LX530H : 22" / 28"
- LW341H : 32" / 43" / 49"
- UW341C : 75"
- LW341C : 28"
- LW340C : 32" / 43" / 49" / 55"
- LW310C : 43" / 49"
- LW300C : 32"
- LH501C : 32" / 43"
- LW540S : 43" / 49" / 55"

CIS

- EW961H : 55"/65"
- UW761H : 43" / 49" / 55"
- LW641H : 32"
- LW340C : 32" / 43" / 49" / 55"
- LW310C : 43" / 49"
- LW300C : 32"
- LW540S : 43" / 49" / 55"



Pro:Centric® SMART

		EU / CIS EW961H	EU UW961H	
Size		55" / 65"	49" / 55" / 65"	
Panel	Resolution	3,840 x 2,160 (4K UHD)	3,840 x 2,160 (4K UHD)	
Broadcasting System		DVB-T2/C/S2	DVB-T2/C/S2	
Audio Output / Speaker System		20W + 20W / 4.0 ch	10W + 10W / 2.2ch	
Pro:Centric® Type		• (Smart, V, Direct)	• (Smart, V, Direct)	
Management	EzManager (Simplicity)	•	•	
	Remote Diagnostics	• (Remote Diagnostics)	• (Remote Diagnostics)	
Smart Features	Commercial Smart Home	•	•	
	Web Browser	•	•	
	APP (P:C Smart)	•	•	
	SoftAP	•	•	
Connectivity	Smart Share	•	•	
	Screen Share	•	•	
	Bluetooth Sound Sync	•	•	
Interactivity		HTNG 1.4 / HDMI-CEC 1.3	HTNG 1.4 / HDMI-CEC 1.3	
DRM		Pro:Idiom	Pro:Idiom	
Hospitality Features	External Clock	-	•	
	External Speaker Out	•	•	
	External Power	•	•	
	Hotel Mode	•	•	
	Instant ON	•	•	
	IR Out	• (RS-232C, HDMI)	• (RS-232C, HDMI)	
	Lock Mode	•	•	
	Multi IR Code	•	•	
	One Channel Map	•	•	
	SNMP	•	•	
	TV Link Interactive	•	•	
	USB Auto Playback / USB Auto Playback+	-	-	
	USB Cloning	•	•	
Welcome Screen/ Video	• / -	• / -		
Anti-theft System		Kensington Lock	Kensington Lock	
Interface	Set Side	Headphone Out	-	1
		HDMI In	1 (2.0, 6G)	2 (2.0, 6G)
		USB	3 (3.0 x 1, 2.0 x 2)	3 (3.0 x 1, 2.0 x 2)
		CI Slot	1	1
	Set Rear	RF In	2	2
		AV In	1 (Phone Jack)	1 (Phone Jack)
		Full Scart	-	-
		Component In (Y, Pb, Pr-Video)	1 (Phone Jack)	1 (Phone Jack)
		Component In (Audio)	- (AV jack Share)	- (AV jack Share)
		Digital Audio Out (Coaxial / Optical)	1 (Optical)	1 (Optical)
		HDMI / HDCP Input	1 (2.0, 6G)	1 (2.0, 6G)
		USB	-	-
		RGB In (D-sub 15pin) - PC	-	-
		PC Audio Input	-	-
		RS-232C (D-Sub 9pin)	1	1
		Headphone Out	1	-
		Clock Interface (D-sub 15pin)	-	1
		LAN Port	2	2
		External Speaker Out (3.5mm phone jack)	2 (Spk-out 1, Vol. Control 1)	2 (Spk-out 1, Vol. Control 1)
		Dimension	W x H x D / Weight (with stand) Unit : mm / kg	55": 1,229 x 759 x 225 / 18.6 65": 1,451 x 882 x 225 / 25.4
Power	Voltage, Hz Typical (Watts)		100 ~ 240V, 50/60Hz 55" : 253.1, 65" : 283.5 49" : 147, 55" : 156.4, 65" : 199.1	
Required Listing (Certification)	Safety	CB, CU TR	CB, CU TR	
	EMC	CE	CE	
	ETC.	ROHS, ErP	ROHS, ErP, Eco flower (EU only)	

Pro:Centric® SMART

		EU UW950H	EU / CIS UW761H	
Size		43"	43" / 49" / 55"	
Panel	Resolution	3,840 x 2,160 (4K UHD)	3,840 x 2,160 (4K UHD)	
Broadcasting System		DVB-T2/C/S2	DVB-T2/C/S2	
Audio Output / Speaker System		10W + 10W / 2.0 ch	10W + 10W / 2.0 ch	
Pro:Centric® Type		• (Smart, V, Direct)	• (Smart, V, Direct)	
Management	EzManager (Simplicity)	•	•	
	Remote Diagnostics	• (Remote Diagnostics)	• (Remote Diagnostics)	
Smart Features	Commercial Smart Home	•	•	
	Web Browser	•	•	
	APP (P:C Smart)	•	•	
	SoftAP	•	•	
Connectivity	Smart Share	•	•	
	Screen Share	•	•	
	Bluetooth Sound Sync	•	•	
Interactivity		HTNG 1.4 / HDMI-CEC 1.3	HTNG 1.4 / HDMI-CEC 1.3	
DRM		Pro:Idiom	Pro:Idiom	
Hospitality Features	External Clock	•	•	
	External Speaker Out	•	•	
	External Power	•	•	
	Hotel Mode	•	•	
	Instant ON	•	•	
	IR Out	• (RS-232C, HDMI)	• (RS-232C, HDMI)	
	Lock Mode	•	•	
	Multi IR Code	•	•	
	One Channel Map	•	•	
	SNMP	•	•	
	TV Link Interactive	•	•	
	USB Auto Playback / USB Auto Playback+	-	-	
	USB Cloning	•	•	
Welcome Screen/ Video	• / -	• / -		
Anti-theft System		Kensington Lock	Kensington Lock, Credenza Hole, Lock Down Plate	
Interface	Set Side	Headphone Out	-	-
		HDMI In	1 (2.0, 6G)	1 (2.0, 6G)
		USB	2 (2.0)	2 (2.0)
		CI Slot	1	1
	Set Rear	RF In	2	2
		AV In	1 (Phone Jack)	1 (Phone Jack)
		Full Scart	-	-
		Component In (Y, Pb, Pr-Video)	1 (Phone Jack)	1 (Phone Jack)
		Component In (Audio)	- (AV jack Share)	- (AV jack Share)
		Digital Audio Out (Coaxial / Optical)	1 (Optical)	1 (Optical)
		HDMI / HDCP Input	1 (2.0, 6G)	1 (2.0, 6G)
		USB	-	-
		RGB In (D-sub 15pin) - PC	-	-
		PC Audio Input	-	-
		RS-232C (D-Sub 9pin)	1	1
		Headphone Out	1	1
		Clock Interface (D-sub 15pin)	1	1
		LAN Port	2	2
		External Speaker Out (3.5mm phone jack)	2 (Spk-out 1, Vol. Control 1)	2 (Spk-out 1, Vol. Control 1)
		Dimension	W x H x D / Weight (with stand) Unit : mm / kg	971 x 630 x 176 / 12.1
Power	Voltage, Hz Typical (Watts)		100 ~ 240V, 50/60Hz 110.2 43" : 77.2, 49" : 80.2, 55" : 92.8	
Required Listing (Certification)	Safety	CB, CU TR	CB (CIS : CU TR)	
	EMC	CE	CE	
	ETC.	ROHS, ErP, Eco flower (EU only)	ROHS, ErP, Eco flower (EU only)	

Pro:Centric® SMART

		EU LW760V	EU LX761H	
Size		22" / 24" / 28"	32" / 43" / 49" / 55"	
Panel	Resolution	1,366 x 768 (HD)	1,920 x 1,080 (FHD)	
Broadcasting System		DVB-T2/C/S2	DVB-T2/C/S2	
Audio Output / Speaker System		5W + 5W / 2.0 ch	10W + 10W / 2.0 ch	
Pro:Centric® Type		• (Smart,V)	• (Smart,V,Direct)	
Management	EzManager (Simplicity)	•	•	
	Remote Diagnostics	•	•	
Smart Features	Commercial Smart Home	•	•	
	Web Browser	•	•	
	APP (P:C Smart)	•	•	
	SoftAP	•	•	
Connectivity	Smart Share	•	•	
	Screen Share	•	•	
	Bluetooth Sound Sync	•	•	
Interactivity		HTNG / HDMI-CEC 1.3	HTNG 1.4 / HDMI-CEC 1.3	
DRM		Pro:Idiom	Pro:Idiom	
Hospitality Features	External Clock	-	•	
	External Speaker Out	•	•	
	External Power	•	•	
	Hotel Mode	•	•	
	Instant ON	•	•	
	IR Out	• (RS-232C)	• (RS-232C , HDMI)	
	Lock Mode	•	•	
	Multi IR Code	•	•	
	One Channel Map	•	•	
	SNMP	-	-	
	TV Link Interactive	•	•	
	USB Auto Playback / USB Auto Playback+	-	-	
	USB Cloning	•	•	
	Welcome Screen/ Video	• / -	• / -	
Anti-theft System		Kensington Lock	Kensington Lock, Credenza Hole, Lock Down Plate	
Interface	Set Side	Headphone Out	1	1
		HDMI In	1	1 (2.0)
		USB	1 (2.0)	2 (2.0)
		CI Slot	1	1
	Set Rear	RF In	2	2
		AV In	-	-
		Full Scart	-	1
		Component In (Y, Pb, Pr-Video)	-	-
		Component In (Audio)	-	-
		Digital Audio Out (Coaxial / Optical)	1 (Optical)	1 (Optical)
		HDMI / HDCP Input	-	1 (2.0)
		USB	-	-
		RGB In (D-sub 15pin) - PC	-	-
		PC Audio Input	-	-
		RS-232C (D-Sub 9pin)	1	1
		Headphone Out	-	-
		Clock Interface (D-sub 15pin)	-	1
		LAN Port	1	2
		External Speaker Out (3.5mm phone jack)	2 (Spk-out 1, Vol. Control 1)	2 (Spk-out 1, Vol. Control 1)
		Dimension	W x H x D / Weight (with stand) Unit : mm / kg	(W/o Stand) 22": 507.6 x 315.7 x 53.1 / 2.9 24": 556 x 343.1 x 53.1 / 3.5 28": 641.5 x 395.8 x 57.6 / 4.4
Power	Voltage, Hz 100 ~ 240V, 50/60Hz Typical (Watts) 22": 30, 24": 35, 28": 40		100 ~ 240V, 50/60Hz 32": 62.8, 43": 84.2, 49": 85.2, 55": 100.1	
Required Listing (Certification)	Safety	CB, CU TR	CB, CU TR	
	EMC	CE	CE	
	ETC.	ROHS, ErP, Eco flower (EU only)	ROHS, ErP	

Pro:Centric® SMART

		EU / CIS LW641H	EU LW541H	
Size		32" / 43"	32" / 43" / 49"	
Panel	Resolution	1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	
Broadcasting System		DVB-T2/C/S2	DVB-T2/C/S2	
Audio Output / Speaker System		10W + 10W / 2.0 ch	10W + 10W / 2.0 ch	
Pro:Centric® Type		• (Smart, V)	• (V)	
Management	EzManager (Simplicity)	•	•	
	Remote Diagnostics	• (Remote Diagnostics)	• (Self Diagnostics (USB))	
Smart Features	Commercial Smart Home	•	-	
	Web Browser	•	-	
	APP (P:C Smart)	•	-	
	SoftAP	•	-	
Connectivity	Smart Share	•	-	
	Screen Share	•	-	
	Bluetooth Sound Sync	•	-	
Interactivity		HTNG 1.4 / HDMI-CEC 1.3	HTNG 1.4 / HDMI-CEC 1.3	
DRM		-	-	
Hospitality Features	External Clock	-	•	
	External Speaker Out	•	•	
	External Power	-	•	
	Hotel Mode	•	•	
	Instant ON	•	•	
	IR Out	• (RS-232C , HDMI)	• (RS-232C , HDMI)	
	Lock Mode	•	•	
	Multi IR Code	•	•	
	One Channel Map	•	•	
	SNMP	•	•	
	TV Link Interactive	•	•	
	USB Auto Playback / USB Auto Playback+	-	• / -	
	USB Cloning	•	•	
	Welcome Screen/ Video	• / -	• / •	
Anti-theft System		Kensington Lock, Credenza Hole, Lock Down Plate	Kensington Lock, Credenza Hole, Lock Down Plate	
Interface	Set Side	Headphone Out	-	-
		HDMI In	1	2 (1.3)
		USB	2 (2.0)	1 (2.0)
		CI Slot	1	1
	Set Rear	RF In	2	2
		AV In	1	-
		Full Scart	-	-
		Component In (Y, Pb, Pr-Video)	-	1 (RCA5)
		Component In (Audio)	-	1 (RCA5) : Component / DVI Audio
		Digital Audio Out (Coaxial / Optical)	-	1 (Optical)
		HDMI / HDCP Input	1	1 (1.3)
		USB	-	-
		RGB In (D-sub 15pin) - PC	-	-
		PC Audio Input	-	-
		RS-232C (D-Sub 9pin)	1	1
		Headphone Out	1	1
		Clock Interface (D-sub 15pin)	-	1
		LAN Port	1	1
		External Speaker Out (3.5mm phone jack)	2 (Spk-out 1, Vol. Control 1)	2 (Spk-out 1, Vol. Control 1)
		Dimension	W x H x D / Weight (with stand) Unit : mm / kg	32": 733 x 490 x 240.8 / 6.1 43": 974 x 619 x 303 / 12.4
Power	Voltage, Hz 100 ~ 240V, 50/60Hz Typical (Watts) 32": 51, 43": 77.2		100 ~ 240V, 50/60Hz 32": 51, 43": 77.2	
Required Listing (Certification)	Safety	CB, CU TR	CB	
	EMC	CE	CE	
	ETC.	ROHS, ErP, Eco flower (EU only)	ROHS, ErP, Eco flower (EU only)	

Pro:Centric® V

		EU LX530H	EU LW341H
Size		22" / 28"	32" / 43" / 49"
Panel	Resolution	1,366 x 768 (HD)	1,920 x 1,080 (FHD)
Broadcasting System		DVB-T2/C/S2	DVB-T2/C/S2
Audio Output / Speaker System		5W + 5W / 2.0 ch	10W + 10W / 2.0 ch
Pro:Centric® Type		• (V)	• (V)
Management	EzManager (Simplicity)	•	-
	Remote Diagnostics	• (Self Diagnostics (USB))	• (Self Diagnostics (USB))
Smart Features	Commercial Smart Home	-	-
	Web Browser	-	-
	APP (P:C Smart)	-	-
	SoftAP	-	-
Connectivity	Smart Share	-	-
	Screen Share	-	-
	Bluetooth Sound Sync	-	-
Interactivity		HTNG / HDMI-CEC 1.3	HTNG 1.4 / HDMI-CEC 1.3
DRM		-	-
Hospitality Features	External Clock	-	-
	External Speaker Out	•	•
	External Power	•	-
	Hotel Mode	•	•
	Instant ON	•	-
	IR Out	• (RS-232C , HDMI)	• (RS-232C)
	Lock Mode	•	•
	Multi IR Code	•	•
	One Channel Map	•	•
	SNMP	-	•
	TV Link Interactive	•	-
	USB Auto Playback / USB Auto Playback+	• / -	• / -
	USB Cloning	•	•
	Welcome Screen/ Video	• / •	• / •
Anti-theft System		Kensington Lock	Kensington Lock, Credenza Hole, Lock Down Plate
Interface	Set Side		
	Headphone Out	1	-
	HDMI In	1	1 (1.3)
	USB	1 (2.0)	1 (2.0)
	CI Slot	1	1
	Set Rear		
	RF In	2	2
	AV In	-	-
	Full Scart	1	-
	Component In (Y, Pb, Pr-Video)	1 (Phone Jack)	1 (RCA5)
	Component In (Audio)	1 (Phone jack) : Component / DVI Audio	1 (RCA5) : Component / DVI Audio
	Digital Audio Out (Coaxial / Optical)	1 (Optical)	1 (Optical)
	HDMI / HDCP Input	1	1 (1.3)
	USB	-	-
	RGB In (D-sub 15pin) - PC	-	1
	PC Audio Input	-	1 (RCA5, Shared with Component)
	RS-232C (D-Sub 9pin)	1	1
	Headphone Out	-	1
	Clock Interface (D-sub 15pin)	-	-
	LAN Port	1	1
External Speaker Out (3.5mm phone jack)	2 (Spk-out 1, Vol. Control 1)	1 (Spk-out 1)	
Dimension	W x H x D / Weight (with stand) Unit : mm / kg	22" : 507.6 x 355.9 x 135.8 / 3.1 28" : 641.5 x 432 x 170 / 4.5	32" : 733 x 490 x 240.8 / 6.1 43" : 974 x 619 x 303 / 12.4 49" : 1,107 x 695 x 303 / 15
Power	Voltage, Hz	100 ~ 240V, 50/60Hz	100 ~ 240V, 50/60Hz
	Typical (Watts)	22" : 25.0, 28" : 32.7	32" : 50, 43" : 60, 49" : 70
Required Listing (Certification)	Safety	CB, CU TR	CB (CIS : CU TR)
	EMC	CE	CE
	ETC.	ROHS, ErP, Eco flower (EU only)	ROHS, ErP, Eco flower (EU only)

Commercial Lite

		EU UW341C	EU LW341C	EU / CIS LW340C
Size		75"	28"	32" / 43" / 49" / 55"
Panel	Resolution	3,840 x 2,160 (4K UHD)	1,366 x 768 (HD)	1,920 x 1,080 (FHD)
Broadcasting System		DVB-T2/C/S2	DVB-T2/C/S2	DVB-T2/C/S2
Audio Output / Speaker System		10W + 10W / 4.2ch	5W + 5W / 2.0 ch	10W + 10W / 2.0 ch
Pro:Centric® Type		-	-	-
Management	EzManager (Simplicity)	-	-	-
	Remote Diagnostics	• (Self Diagnostics (USB))	• (Self Diagnostics (USB))	• (Self Diagnostics (USB))
Smart Features	Commercial Smart Home	•	-	-
	Web Browser	•	-	-
	APP (P:C Smart)	•	-	-
	SoftAP	•	-	-
Connectivity	Smart Share	•	-	-
	Screen Share	•	-	-
	Bluetooth Sound Sync	•	-	-
Interactivity		HTNG 1.4 / HDMI-CEC 1.3	HTNG 1.4 / HDMI-CEC 1.3	HTNG 1.4 / HDMI-CEC 1.3
DRM		ProIdiom	-	-
Hospitality Features	External Clock	-	-	-
	External Speaker Out	•	•	•
	External Power	-	-	-
	Hotel Mode	•	•	•
	Instant ON	•	-	-
	IR Out	• (RS-232C , HDMI)	• (RS-232C)	• (RS-232C)
	Lock Mode	•	•	•
	Multi IR Code	•	•	•
	One Channel Map	•	•	•
	SNMP	•	-	-
	TV Link Interactive	• (TVLink Tuner)	-	-
	USB Auto Playback / USB Auto Playback+	• (R/Change, TBD)	• / •	• / •
	USB Cloning	•	•	•
	Welcome Screen/ Video	• / -	• / •	• / •
Anti-theft System		Kensington Lock	Kensington Lock	Kensington Lock
Interface	Set Side			
	Headphone Out	1	1	1
	HDMI In	2 (2.0, 6G)	1 (1.3)	1 (1.3)
	USB	3 (3.0 x 1, 2.0 x 2)	1 (2.0)	1 (2.0)
	CI Slot	1	1	1
	Set Rear			
	RF In	2	2	2
	AV In	1 (Phone Jack)	-	-
	Full Scart	-	-	-
	Component In (Y, Pb, Pr-Video)	1 (Phone Jack)	1 (RCA5)	1 (RCA5)
	Component In (Audio)	- (AV jack Share)	1 (RCA5) : Component / DVI Audio	1 (RCA5) : Component / DVI Audio
	Digital Audio Out (Coaxial / Optical)	1 (Optical)	1 (Optical)	1 (Optical)
	HDMI / HDCP Input	1 (2.0, 6G)	1 (1.3)	1 (1.3)
	USB	-	-	-
	RGB In (D-sub 15pin) - PC	1	1	1
	PC Audio Input	-	1 (RCA5, Shared with Component)	1 (RCA5, Shared with Component)
	RS-232C (D-Sub 9pin)	1	1	1
	Headphone Out	-	-	-
	Clock Interface (D-sub 15pin)	-	-	-
	LAN Port	2	1	1
External Speaker Out (3.5mm phone jack)	2 (Spk-out 1, Vol. Control 1)	1 (Spk-out 1)	1 (Spk-out 1)	
Dimension	W x H x D / Weight (with stand) Unit : mm / kg	1,680.6 x 1,020.3 x 341 / 50.3	641.5 x 429.5 x 175 / 4.9	32" : 733 x 483 x 170 / 5.5 43" : 974 x 620 x 199 / 9.5 49" : 1,107 x 702 x 216 / 12.1 55" : 1,241 x 775 x 216 / 16.6
Power	Voltage, Hz	100 ~ 240V, 50/60Hz	100 ~ 240V, 50/60Hz	100 ~ 240V, 50/60Hz
	Typical (Watts)	280	36.2	32" : 47 43" : 58 49" : 74 55" : 100
Required Listing (Certification)	Safety	CB, CU TR	CB, CU TR	CB, CU TR
	EMC	CE	CE	CE
	ETC.	ROHS, ErP	RoHS, ErP	ROHS, ErP, Eco flower (EU only)

Commercial Lite

			EU / CIS LW310C	EU / CIS LW300C	EU LH501C	
Size			43" / 49"	32"	32" / 43"	
Panel	Resolution		1,920 x 1,080 (FHD)	1,366 x 768 (HD)	32" : 1,366 x 768 (HD) 43" : 1,920 x 1,080 (FHD)	
Broadcasting System			DVB-T2/C/S2	DVB-T2/C/S2	DVB-T2/C	
Audio Output / Speaker System			5W+5W / 2.0 ch	3W+3W / 2.0 ch	32" : 3W+3W / 2.0 ch, 43" : 5W +5W / 2.0 ch	
Pro:Centric® Type			-	-	-	
Management	EzManager (Simplicity)		-	-	-	
	Remote Diagnostics		• (Self Diagnostics (USB))	• (Self Diagnostics (USB))	-	
Smart Features	Commercial Smart Home		-	-	-	
	Web Browser		-	-	-	
	APP (P:C Smart)		-	-	-	
	SoftAP		-	-	-	
Connectivity	Smart Share		-	-	-	
	Screen Share		-	-	-	
	Bluetooth Sound Sync		-	-	-	
Interactivity			HTNG 1.4 / HDMI-CEC 1.3	HTNG 1.4 / HDMI-CEC 1.3	-	
DRM			-	-	-	
Hospitality Features	External Clock		-	-	-	
	External Speaker Out		-	-	-	
	External Power		-	-	-	
	Hotel Mode		•	•	-	
	Instant ON		-	-	-	
	IR Out		• (RS-232C)	• (RS-232C)	-	
	Lock Mode		•	•	-	
	Multi IR Code		•	•	-	
	One Channel Map		•	•	-	
	SNMP		-	-	-	
	TV Link Interactive		-	-	-	
	USB Auto Playback / USB Auto Playback+		• / •	• / •	-	
	USB Cloning		•	•	-	
	Welcome Screen/ Video		• / •	• / •	-	
Anti-theft System			-	-	-	
Interface	Set Side	Headphone Out	1	-	-	
		HDMI In	1	-	1	
		USB	1 (2.0)	-	1 (2.0)	
		CI Slot	1	1	1	
	Set Rear	RF In	2	2	1	
		AV In	-	-	-	
		Full Scart	-	-	Half Scart	
		Component In (Y, Pb, Pr-Video)	1 (RCA)	1 (RCA)	1 (Composite Share)	
		Component In (Audio)	1 (RCA5) : Component / DVI Audio	1 (RCA5) : Component / DVI Audio	1 (Horizontal, Composite / Component share)	
		Digital Audio Out (Coaxial / Optical)	1 (Optical)	-	1	
		HDMI / HDCP Input	1	1	1 (HDMI 1.4)	
		USB	-	1	-	
		RGB In (D-sub 15pin) - PC	1	-	-	
		PC Audio Input	1 (RCA5, Shared with Component)	-	-	
		RS-232C (D-Sub 9pin)	1	1	-	
		Headphone Out	-	1	-	
		Clock Interface (D-sub 15pin)	-	-	-	
		LAN Port	1	1	-	
		External Speaker Out (3.5mm phone jack)	-	-	-	
		Dimension	W x H x D / Weight (with stand) Unit : mm / kg	43" : 971 x 624 x 198 / 9.8 49" : 1,103 x 698 x 198 / 13.4	734 x 474 x 172 / 4.7	32" : 726.5 x 482.8 x 179.5 / 5.0 43" : 968.2 x 617.7 x 204.5 / 8.6
		Power	Voltage, Hz	100 ~ 240V, 50/60Hz	100 ~ 240V, 50/60Hz	100-240V, 50-60Hz
Typical (Watts)	43" : 57, 49" : 60		32	32" : 55, 43" : 67.5		
Required Listing (Certification)	Safety	CB, CU TR	CB, CU TR	CB		
	EMC	CE	CE	CE		
	ETC.	ROHS, ErP, Eco flower (EU only)	ROHS, ErP	RoHS, ErP		

SuperSign TV

			EU / CIS LW540S	
Size			43" / 49" / 55"	
Panel	Resolution		1,920 x 1,080 (FHD)	
Broadcasting System			DVB-T2/C/S2	
Audio Output / Speaker System			10W + 10W / 2.0 ch	
Management	EzManager(Simplicity)		-	
	Remote Diagnostics		• (Self Diagnostics (USB))	
Interactivity			HTNG 1.4 / HDMI-CEC 1.3	
RJP Interface			• (RS232C, HDMI CEC)	
Hospitality Features	External Speaker Out		•	
	Hotel Mode		•	
	IR Out		• (RS-232C)	
	Lock mode		•	
	Multi IR Code		•	
	NTP sync timer		•	
	One Channel Map		•	
	RTC (Real Time Clock)		•	
	SNMP		•	
	Time scheduler		• (First Use Available)	
	USB Auto playback / USB Auto playback+		• / •	
	USB Cloning		•	
	Welcome Screen/ Video		• / •	
	Anti-theft System			Kensington Lock
SuperSign SW			SuperSign Lite/C/Simple Editor	
Interface	Set Side	HDMI In	1 (1.3)	
		USB	2 (2.0)	
		CI Slot	1	
	Set Rear	RF In	2	
		Component in (Y,Pb,Pr-Video)	1 (RCA5)	
		Component in (Audio)	1 (RCA5) : Component / DVI Audio	
		Digital Audio Out (Coaxial / Optical)	1 (Optical)	
		HDMI/HDCP Input	1 (1.3)	
		RGB In (D-sub 15pin) - PC	1	
		PC Audio Input	1 (RCA5, Shared with Component)	
		RS-232C(D-Sub 9pin)	1	
		Headphone Out	1	
		LAN Port	1	
		External Speaker Out (3.5mm phone jack)	1 (Spk-out 1)	
		Dimension	W x H x D / Weight (with stand) Unit : mm / kg	43" : 974 x 620 x 199 / 9.45 49" : 1,107 x 702 x 216 / 12.1 55" : 1,241 x 775 x 216 / 16.6
		Power	Voltage, Hz	100 ~ 240V, 50/60Hz
			Typical (Watts)	43" : 58, 49" : 75, 55" : 92
Required Listing (Certification)	Safety	CB, CU TR		
	EMC	CE		
	ETC.	ROHS, ErP, Eco flower (EU only)		