

Philips 6800 series
4K UHD Slim LED TV
powered by Android™
with Ambilight 2-sided and
Pixel Plus Ultra HD

139 cm (55")
4K Ultra HD LED TV
Dual Core; 8GB & expandable
DVB-T/T2/C



55PUT6800

4K UHD Slim LED TV powered by Android

with Ambilight 2-sided

The 6800 Series Ultra HD TV combines Pixel Plus Ultra HD, Dual Core processing and the power of Android to deliver fluid performance-beautifully. Slim lines, an elegant open stand, and loads of features complete the experience.

Functional elegance
- Swivel stand lets you enjoy TV from any angle
- Ambilight changes the way you look at TV forever

See every detail
- 4K Ultra HD: resolution like you've never seen it before
- Natural Motion for fluid yet sharp moving images
- Micro Dimming Pro for incredible contrast
- Pixel Plus Ultra HD: discover Ultra HD Picture Quality
- Ultra Resolution converts any content into crisp Ultra HD

With Android your TV can do it all
- Dual Core processing and Android OS for strong performance
- Google Play™: your window to fun
- Google Cast: unlock the full potential of your Smart TV
- Spotify Connect—share your favorite music on TV

ambilight 2 ULTRA HD

PHILIPS

4K UHD Slim LED TV powered by Android™
139 cm (55") 4K Ultra HD LED TV, Dual Core; 8GB & expandable, DVB-T/T2/C

55PUT6800/56

Highlights

Open metal swivel stand
A television with modern, refined lines deserves a stand that lifts it above the ordinary. That's why the designers at Philips TV created this unique, open metal stand that not only integrates beautifully with your décor, it also lets you swivel the TV to adjust the viewing angle as well!

Ambilight 2-sided
You've created a home that's more than just a house, so why not choose a TV that is warm and inviting too? Philips unique Ambilight technology makes your screen much wider—and your viewing experience more immersive—by emitting an extra wide glow from two-sides of your TV screen onto the surrounding wall. Color, vibrancy and excitement move beyond the screen and into your living room to bring you a viewing experience beyond the ordinary.

4K Ultra HD
Ultra HD TV has 4 times the resolution of a conventional Full HD TV. With over 8 million pixels and our unique Ultra Resolution upscaling technology, you'll experience improved images regardless of the original content. Enjoy improved sharpness, increased depth perception, superior contrast, smooth natural motion, and flawless details.

Natural Motion
You love watching movies, but demand the best image possible. Natural Motion is our motion enhancement technology that resolves judder, providing you with a smooth moving image. Films are recorded at a limited frame rate of 24 frames per second resulting in judder. Natural Motion doubles the number of frames to 50 motion changes per second. This resolves judder, so all you see is a fluid, sharper image.

Micro Dimming Pro
Micro Dimming Pro optimizes the contrast on your TV based on the light conditions in your environment. A light sensor and special software analyze the picture in 6400 different zones so you'll enjoy incredible contrast and image quality for a truly lifelike visual experience—day or night.

Pixel Plus Ultra HD
Experience 4K Ultra HD sharpness from Philips. Philips Pixel Plus Ultra HD engine optimizes picture quality to deliver smooth, fluid images with incredible detail and depth. So whether you stream online or watch a DVD, you'll enjoy sharper 4K images with brighter whites and blacker blacks—every time and from any source.

Ultra Resolution
Ultra Resolution converts any content into a sharper Ultra HD picture on screen. Advanced upscaling combined with Philips unique line thinning algorithms transform original pixels into better pixels. The result is a visibly more refined image with finer lines, and greater, deeper details.

Dual Core + Android
With Android on your TV you'll navigate, launch apps and play videos in a way that is super fast, super intuitive, and super fun. The Android robot liberates the power of our Dual Core processor to get things done with speed and ease.

Google Play
Google Play™ has a rich catalogue of high quality games for all ages. Optimized for use on your TV, they look as great as they play. And there's no need to clutter up your house with yet another gaming console; with a universal USB gaming control you can navigate and play with ease.

Google Cast
Use Google Cast together with your smart device* to harness the power of your Philips Smart TV. It lets you browse web sites, content and apps, and then 'cast' them to your TV at the push of a button. Best of all, you can continue to use your smart device for other things even while the casted content is playing on your TV.

Spotify Connect
All your favorite music is stored on your phone—but wouldn't you rather hear it on your more powerful TV speakers? With Spotify Connect, you can easily play Spotify on your TV using the Spotify app on your phone as a remote. Just hit the play button and the music will switch to your TV speakers. No wires, no hassle… just sit back and relax.

ambi light 2 · PixelPlus ULTRA HD · Natural MOTION · MICRO DIMMING PRO · 700Hz PERFECT MOTION RATE · Google play · Spotify

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Specifications

Ambilight
- Ambilight Version: 2 sided
- Ambilight Features: Wall colour adaptive, Lounge mode, Ambilight+hue

Picture/Display
- Display: 4K Ultra HD LED
- Diagonal screen size: 55 inch / 139 cm
- Panel resolution: 3840x2160
- Aspect ratio: 16:9
- Brightness: 300 cd/m²
- Picture enhancement: Pixel Plus Ultra HD, Natural Motion, 700 Hz Perfect Motion Rate, Micro Dimming Pro, Ultra Resolution

Android
- OS: Android™ 5.1 (Lollipop)
- Pre-installed apps: Google Play Movies*, Google Play Music*, Google search, Voice Search, YouTube
- Memory size: 8GB, extendable via USB storage

Smart TV Features
- User Interaction: MultiRoom Client and Server, SimplyShare, Wi-fi Miracast Certified*
- Program: Pause TV, USB Recording*
- SmartTV apps*: Online Video Stores, Open Internet Browser, Social TV, Spotify, TV on Demand, Youtube
- Ease of Installation: Auto detect Philips devices, Device connection wizard, Network installation wizard, Settings assistant wizard
- Ease of Use: One-stop Smart Menu button, Onscreen Usermanual
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade
- Screen Format Adjustments: Basic - Fill Screen, Fit to Screen, Advance - Shift, Zoom, Stretch
- Philips TV Remote app*: Apps, Channels, Control, NowOnTV, TV Guide, Video On Demand
- Remote Control: with Keyboard

Sound
- Output power (RMS): 20W
- Sound Enhancement: Incredible Surround, Clear Sound, Dynamic Bass Enhancement, Smart Sound

Connectivity
- Number of HDMI connections: 4
- Number of component in (YPbPr): 1
- Number of USBs: 3
- Wireless connections: Dual Band, Wi-Fi Direct, Wi-Fi 11n 2x2 integrated
- Other connections: Ethernet-LAN RJ-45, Digital audio out (optical), Audio L/R in, Audio in (DVI), Headphone out, Service connector, Antenna IEC/IFC (ATV)
- HDMI features: 4K, Audio Return Channel
- EasyLink (HDMI-CEC): Remote control pass-through, System audio control, System standby, One touch play
- HDCP 2.2: Yes on HDMI1

Multimedia Applications
- Video Playback Formats: Containers: AVI, MKV, H264/MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4, WMV9/VC1, HEVC
- Subtitles Formats Support: .SMI, .SRT, .SSA, .SUB, .TXT, .ASS
- Music Playback Formats: AAC, MP3, WAV, WMA (v2 up to v9.2), WMA-PRO (v9 and v10)
- Picture Playback Formats: JPEG, BMP, GIF, JPS, PNG, PNS, BMS, MPO

Supported Display Resolution
- Computer inputs on all HDMI: @60Hz, up to 4K Ultra HD 3840x2160
- Video inputs on HDMI2/3/4: @ 24, 25, 30Hz, up to 4K Ultra HD 3840x2160p
- Video inputs on HDMI1: @ 24, 25, 30, 50, 60Hz, up to 4K Ultra HD 3840x2160p

Tuner/Reception/Transmission
- Digital TV: DVB-T/T2/C
- MPEG Support: MPEG2, MPEG4
- Video Playback: NTSC, PAL, SECAM
- TV Program guide*: 8 day Electronic Program Guide
- Signal strength indication
- Teletext: 1000 page Hypertext

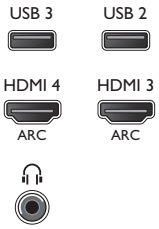
Power
- Mains power: AC 110-240V 50/60Hz
- Ambient temperature: 5 °C to 35 °C
- Annual energy consumption: 98 kW·h
- Standby power consumption: < 0.5 W
- Off mode power consumption: < 0.5 W
- Power Saving Features: Auto switch-off timer, Light sensor, Picture mute (for radio)

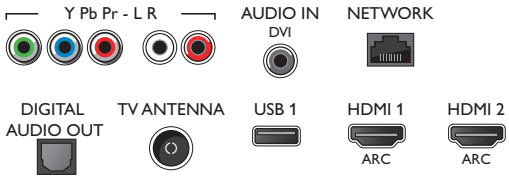
Dimensions
- Box dimensions (W x H x D): 1413 x 825 x 131 mm
- Set dimensions (W x H x D): 1239 x 726 x 79 mm
- Set dimensions with stand (W x H x D): 1239 x 773 x 279 mm
- Product weight: 15.3 kg
- Product weight (+stand): 17.8 kg
- Weight incl. Packaging: 24.3 kg
- VESA wall mount compatible: 400 x 200 mm

Accessories
- Included accessories: Remote Control, 2 x AAA Batteries, Tabletop swivel stand, Power cord, Quick start guide, Legal and safety brochure



Connections

Side


Rear


* EPG and actual visibility (up to 8 days) is country and operator dependent.
* Android App offerings vary per country. For more details please visit your local Google Play Store.
* Energy consumption in kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.
* The TV supports DVB reception for 'Free to air' broadcast. Specific DVB operators may not be supported. An up to date list can be found in the FAQ section of the Philips support website. For some operators Conditional Access and subscripction are required. Contact your operator for more information.
* (Philips) only compatible with specific Philips player device.
* Google Cast functionality is subject to Google Cast Ready apps and devices. For more details please visit Google Cast product page.
* Philips TV Remote app and related functionalities vary per TV model, operator, and country, as well as smart device model and OS. For more details please visit: www.philips.com/TVRemoteapp.
* Smart TV app offerings vary per TV model and country. For more details please visit: www.philips.com/smarttv.
* USB recording for digital channels only, recordings may be limited by broadcast copy protection (CI+). Country and channel restrictions may apply.
* Compatibility depends on Wifi Miracast certification & Android 4.2 or later. For more details please refer to your device documentation.

Issue date 2016-09-28
Version: 5.5.1
12 NC: 8670 001 27012
EAN: 87 18863 00532 3

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