

PHILIPS

4K UHD Slim LED TV
powered by Android™

6800 series

127 cm (50")

4K Ultra HD LED TV

Dual Core; 8GB & expandable

DVB-T/T2/C



50PUT6820



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

Highlights

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.

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.

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.

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.

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!

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.

Specifications

Ambilight

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

Picture/Display

Aspect ratio: 16:9
Diagonal screen size (inch): 50 inch
Diagonal screen size (metric): 127 cm
Display: 4K Ultra HD LED
Brightness: 300 cd/m²
Picture enhancement: Pixel Plus Ultra HD, Natural Motion, 700 Hz Perfect Motion Rate, Micro Dimming Pro, Ultra Resolution
Panel resolution: 3840x2160

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
Video Playback: NTSC, PAL, SECAM
MPEG Support: MPEG2, MPEG4
TV Program guide*: 8 day Electronic Program Guide
Signal strength indication
Teletext: 1000 page Hypertext

Android TV

OS: Android™ 5.1 (Lollipop)
Pre-installed apps: Google Play Movies*, Google Play Music*, Google Search, Voice Search, YouTube, Netflix*
Memory size(Flash): 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

Multimedia Applications

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

Sound

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

Connectivity

Number of HDMI connections: 4
HDMI features: 4K, Audio Return Channel
Number of component in (YPbPr): 1
EasyLink (HDMI-CEC): Remote control pass-through, System audio control, System standby, One touch play
Number of USBs: 3
Wireless connection: Dual Band, Wi-Fi Direct, Wi-Fi 802.11n 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)
HDCP 2.2: Yes on HDMI1

Power

Mains power: AC 220 - 240 V 50/60Hz
Ambient temperature: 5 °C to 35 °C
Standby power consumption: < 0.5 W
Power Saving Features: Auto switch-off timer, Light sensor, Picture mute (for radio)
Off mode power consumption: < 0.5

Accessories

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

Dimensions

Box depth: 134 mm
Product weight: 13 kg
Set Width: 1124 mm
Set width (with stand): 1124 mm
Wall mount compatible: 400 x 200 mm
Box height: 744 mm
Box width: 1243 mm
Set Height: 647 mm
Weight incl. Packaging: 18 kg
Set Depth: 64 mm
Set height (with stand): 709 mm
Set depth (with stand): 258 mm
Product weight (+stand): 14.4 kg

* 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 subscription 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.

