



Philips 4000 series  
Full HD LED TV with  
Smart TV and Pixel Plus  
HD

127 cm (50")

Full HD LED TV  
Dual Core  
DVB-T/C



50PFH4509

## Full HD LED TV

With Smart TV

Easily connect to a world of online content—and Skype™ the ones you love—with the Philips 4500 series Smart Full HD LED TV. Enjoy extremely clear, vivid pictures from any source thanks to our Pixel Plus HD engine.

### **A TV that's more than Smart, it's beautiful**

- Ultra Narrow bezel gives you more picture to love
- Modern design complements today's interior

### **Watch together—beautifully**

- Pixel Plus HD for beautiful images you'll love
- Full HD LED TV—brilliant LED images with incredible contrast
- 200Hz PMR for fluid moving images

### **Connect, communicate, record and share**

- Smart TV: a whole new world to explore
- MyRemote app: the Smarter way to interact with your TV
- Skype™ brings people together (camera optional)
- Cloud TV brings extra channels to your TV
- Wi-Fi ready: optional adaptor to connect online



# PHILIPS

# Highlights

## Ultra narrow bezel

Traditional TVs have a bezel that wraps around the TV like a picture frame. Our Ultra Narrow bezel is modern and thin, so you have more picture to enjoy.

## Modern Design

Designed with a contemporary look to blend with your décor. Because your TV should look as beautiful off as it does on.

## Pixel Plus HD

There's nothing like settling in to watch your favorite movie or documentary. And whether you stream online or watch a DVD, Philips Pixel Plus HD Engine delivers a more realistic picture thanks to brighter whites and blacker blacks.

## Full HD LED TV

Picture Quality matters. Regular HDTVs deliver quality, but you expect more. Imagine crisp detail paired with high brightness,

incredible contrast and realistic colors for a true to life picture.

## 200Hz Perfect Motion Rate

Nothing beats the adrenaline rush of gaming, fast paced sporting events or action films. That's why this Philips TV has 200Hz Perfect Motion Rate; so you'll enjoy fluid moving images. Because even though your pulse may jump, the image you're watching shouldn't.

## Smart TV

Discover a Smarter experience that lies beyond traditional TV. Rent and stream movies, videos or games from online video stores. Watch catch-up TV from your favorite channels and enjoy a growing selection of online apps such as Youtube.

## MyRemote\*

Control your Philips TV directly from your Smart device. With the MyRemote app its never been easier stay up to date thanks to the TV Program Guide.

## Skype™ TV video calls\*

Add a new dimension to your calls and share experiences with the people that matter to you, wherever they are. With Skype™ on your TV, make voice and video calls from your living room. Just connect the optional Philips TV camera (PTA317) to your TV and enjoy excellent video and sound quality from the comfort of your couch.

## Cloud TV\*

Get more out of your TV today. Using the Cloud TV app on your TV, you can access hundreds of TV channels from around the world. Explore the constantly growing selection of channels, then choose your favorites ones and add to your personal Cloud TV dashboard.

## Wi-fi Ready

The optional USB adapter makes connecting to your wireless home network fast and easy, allowing you to quickly access a world of content or share throughout your home.

# Specifications

## Picture/Display

- Display: LED Full HD
- Diagonal screen size: 50 inch / 127 cm
- Panel resolution: 1920x1080p
- Aspect ratio: 4:3/16:9
- Brightness: 250 cd/m<sup>2</sup>
- Picture enhancement: Pixel Plus HD, 200Hz Perfect Motion Rate, Micro Dimming

## Smart TV

- Interactive TV: HbbTV
- SmartTV apps\*: Catch-up TV, Netflix, Spotify, Online apps, Online Video stores, Open Internet browser, YouTube
- Social TV: Skype, Twitter
- TV programme guide\*: 8 day Electronic Program Guide

## Smart Interaction

- User interaction: SimplyShare, MultiRoom Client, Wi-fi Miracast Certified\*, Cloud TV\* and Cloud Explorer
- Program: Pause TV, USB Recording\*
- Ease of Installation: Auto detect Philips devices, Device connection wizard, Network installation wizard, Settings assistant wizard
- Ease of Use: One-stop Home button, Onscreen Usermanual
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade
- Screen Format Adjustments: Advance - Shift, Basic - Fill Screen, Fit to Screen, Stretch, Zoom
- Signal strength indication
- Teletext: 1000 page Hypertext
- My Remote App\*: Control, Simply Share, TV Guide

## CPU

- Processor type: Dual-Core

## Sound

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

## Connectivity

- Number of HDMI connections: 2
- Number of component in (YPbPr): 1
- Number of scarts (RGB/CVBS): 1

- Number of USBs: 2
- Wireless connections: Wi-Fi ready
- Other connections: Antenna IEC75, CI+1.3 certified, Audio in (DVI), Common Interface Plus (CI+), Ethernet-LAN RJ-45, Digital audio out (optical), Audio L/R in, Headphone out, Service connector
- HDMI features: 3D, Audio Return Channel
- EasyLink (HDMI-CEC): Remote control pass-through, System audio control, System standby, Auto subtitle shift (Philips)\*, Pixel Plus link (Philips)\*, One touch play

## Multimedia Applications

- Video Playback Formats: Containers: AVI, MKV, H264/MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4, WMV9/VC1
- Subtitles Formats Support: .AAS, .SMI, .SRT, .SSA, .SUB, .TXT
- Music Playback Formats: AAC, AMR, LPCM, M4A, MP3, MPEG1 L1/2, WMA (v2 up to v9.2)
- Picture Playback Formats: JPEG, BMP, GIF, JPS, PNG, PNS

## Supported Display Resolution

- Computer inputs: up to 1920x1080 @ 60Hz
- Video inputs: 24, 25, 30, 50, 60 Hz, up to 1920x1080p

## Tuner/Reception/Transmission

- Digital TV: DVB-T/C
- MPEG Support: MPEG2, MPEG4
- Video Playback: NTSC, PAL, SECAM

## Power

- Mains power: AC 220 - 240 V 50/60Hz
- Ambient temperature: 5 °C to 35 °C
- Eu Energy Label power: 43 W
- Annual energy consumption: 62 kW · h
- Standby power consumption: < 0.3 W
- Power Saving Features: Auto switch-off timer, Eco mode, Picture mute (for radio)
- Off mode power consumption: < 0.3 W

## Dimensions

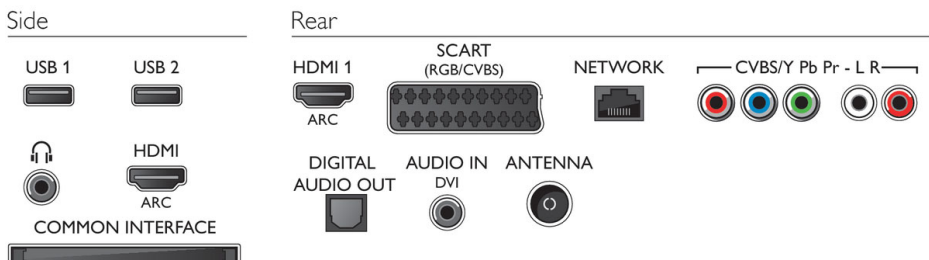
- Box dimensions (W x H x D): 1200 x 733 x 133 mm
- Set dimensions (W x H x D): 1124 x 658 x 88 mm
- Set dimensions with stand (W x H x D): 1124 x 706 x 253 mm

- Product weight: 12.4 kg
- Product weight (+stand): 14.8 kg
- Weight incl. Packaging: 17.3 kg
- VESA wall mount compatible: 400 x 200 mm

## Accessories

- Included accessories: Remote Control, 2 x AAA Batteries, Table top stand, Power cord, Quick start guide, Legal and safety brochure, Warranty Leaflet
- Optional accessories: Philips TV camera PTA317, Wireless Adaptor PTA128

## Connections



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EAN: 87 12581 71018 7

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[www.philips.com](http://www.philips.com)

\* MyRemote app and related functionalities varies per TV model and country, as well as smart device model and OS. For more detail, please visit: [www.philips.com/TV](http://www.philips.com/TV).  
\* For smart TV app, visit [www.philips.com/TV](http://www.philips.com/TV) to discover the services offering in your country  
\* Cloud TV offering depends on country availability and regulations  
\* Compatibility depends on Wifi Miracast certification & Android 4.2 or later. For more details please refer to your device documentation.  
\* USB recording for digital channels only, recordings may be limited by broadcast copy protection (CI+). Country and channel restrictions may apply.  
\* Philips TV camera (PTA317) is sold separately.  
\* 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.  
\* 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.  
\* (Philips) only compatible with specific Philips player device.  
\* EPG and actual visibility (up to 8 days) is country and operator dependent.