



Philips 7000 series  
LCD TV with Ambilight  
Spectra 2 and Pixel Precise  
HD

**Philips 37"**

Full HD 1080p digital TV



**37PFL7605H**

## Be part of the action!

with Ambilight in an ultra-thin design

Like a painting on your wall, experience the latest in ultra thin TVs from Philips. Combining powerful LED picture performance and the immersion of Ambilight, be assured you are always part of the action.

### Enlarge your viewing experience

- Ambilight Spectra 2 widens the viewing experience

### HD TV in stunning detail

- Full HD TV with Pixel Precise HD for details in action
- Brilliant LED images with low power consumption
- 100 Hz LCD, 2 ms performance for superb motion sharpness
- HD Natural Motion for ultra-smooth motion in Full HD movies

### Impressive, invisible sound

- Feel the power of 20 W RMS and Incredible Surround Sound

### Connect and enjoy the online world

- Philips Net TV for popular online services on your TV
- DLNA PC Network link to browse PC and Home network content

### Greener every day

- LED TVs up to 40% more energy efficient than normal LCD TVs



NL/22/001

**PHILIPS**

sense and simplicity

# Highlights

## Ambilight Spectra 2



Add a new dimension to your viewing experience with Ambilight Spectra 2. This patented Philips technology enlarges the screen by projecting a glow of light, on 2 sides of the TV, from the back of the screen onto the surrounding wall. Ambilight automatically adjusts the colour and brightness of the light to match the picture, creating an immersive viewing experience. The wall adaptive function ensures that the colour of the light always matches the picture, no matter the colour of your wall. With Ambilight Spectra 2, movies truly come to life!

## Pixel Precise HD

Pixel Precise HD builds on the award winning Pixel Plus foundation. It brings the high definition picture quality to the next level with 4 trillion colours with HD Natural Motion making all your movies fluently moving and razor sharp. With Super Resolution, Pixel Precise HD now brings you the best HD TV picture quality whether you are watching a video from the Internet or good quality Blu-ray movies.

## LED



LED lighting technology is the most advanced available. In this TV it combines an eye-catching minimalistic design with stunning image quality,

as well as having the lowest power consumption in its category. Another environmental benefit is that LED lighting technology does not contain hazardous materials. With an LED backlight you can enjoy low power consumption, high brightness, incredible contrast and sharpness and vibrant colours.

## 100 Hz LCD, 2 ms response time

100 Hz LCD creates extreme motion sharpness. The Double Frame Rate Insertion increases the sharpness of motion reproduction to more than twice that of conventional LCD, resulting in a performance with a response time of 2 milliseconds. Now you can enjoy clear images even with fast on-screen motion.

## HD Natural Motion



Philips invented HD Natural Motion to minimise juddering effects that are visible with movie-based picture content. The award winning algorithm estimates motion in the picture and corrects juddering movements in both broadcast and recorded movie material (such as DVD and Blu-ray Disc). The resulting smooth motion reproduction and excellent sharpness take the viewing experience to a higher level.

## 20 W RMS Incredible Surround Sound

Feel the power of the music beat and the atmosphere of the movies. The powerful 20 W RMS (2 x 10 W RMS) amplifiers create a lifelike soundstage. The Incredible Surround Sound allows you to experience total surround with greater depth and width of sound. It gives a clear and spacious sound stage complementary to the rich viewing experience.

## Philips Net TV



Experience a rich selection of online services with Philips Net TV. Enjoy movies, pictures, infotainment and other Internet content directly on your TV whenever you like. Simply connect directly to your home network through the Ethernet connection, and navigate and select what you want to watch with the remote control. The Philips menu gives you access to popular Net TV services fitted for your TV screen. Additionally, with the DLNA-certified PC network you can watch videos or access pictures stored on your computer using your remote control.

## Energy efficient LED

Up to 40% more energy efficient than conventional flat TVs. Using the latest LED backlight technology, LED-backlit TVs are considered a more sustainable choice, with a longer life and far lower energy consumption than plasmas and conventional LCD TVs. Unlike CCFL backlights, LEDs do not use mercury in their manufacture. In addition, Philips TV designs have improved generation after generation resulting in an increase in material efficiency and a reduction in energy usage without compromising on safety and wellbeing. That's good news for you today - your children tomorrow.

# Specifications

## Picture/Display

- Peak Luminance ratio: 65 %
- Aspect ratio: Widescreen
- Brightness: 450 cd/m<sup>2</sup>
- Dynamic screen contrast: 500,000:1
- Response time (typical): 2 ms
- Viewing angle: 176° (H)/176° (V)
- Diagonal screen size: 37 inch / 94 cm
- Display: LCD Full HD, edge LED backlight
- Panel resolution: 1920 x 1080p
- Picture enhancement: 100 Hz, 2 ms, Pixel precise HD, Active Control + Light sensor, 100 Hz Clear LCD, Digital Noise Reduction, Dynamic contrast enhancement, Luminance Transient Improver, MPEG artefact reduction, HD Natural Motion, Super Resolution, Colour booster
- Screen enhancement: Anti-Reflection coated screen
- Colour processing: 4 trillion colours (14-bit RGB)

## Ambilight

- Ambilight Version: 2 sided
- Ambilight Features: Ambilight Spectra 2, Lounge light mode
- Dimming Function: Manual and via Light Sensor
- Ambilight light system: LED-wide colour

## Supported Display Resolution

- Computer inputs: up to 1920 x 1080 @ 60 Hz
- Video inputs: up to 1920 x 1080p, 24, 25, 30, 50, 60 Hz

## Sound

- Output power (RMS): 2 x 10 W, Invisible Sound
- Sound Enhancement: Auto Volume Leveller, Dynamic Bass Enhancement, Incredible Surround, Treble and Bass Control, Clear Sound
- Sound System: Mono, Nicam Stereo, Stereo

## Convenience

- Child Protection: Child Lock+Parental Control
- Clock: Sleep Timer
- Ease of Installation: Channel installation wizard, Network installation wizard, Settings assistant wizard, Device connection wizard, Auto detect Philips devices, Auto Programme Naming, Autoinstall, Programme Name, Sorting
- Ease of Use: Smart Picture, Smart Sound, On-screen User manual, EasyLink, Favourite

- programme selection, Mozaic channel grid, One-stop experience button, One-stop Home button
- Electronic Programme Guide: Now + Next EPG, 8-day Electronic Programme Guide\*
- Screen Format Adjustments: Auto Format, Super Zoom, Movie expand 16:9, Widescreen, unscaled (1080p dot by dot)
- Teletext: 1200-page Hypertext
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade
- Multimedia: DLNA media Browser, Net TV services, USB media browser

## Multimedia Applications

- Net TV: Included
- Picture Playback Formats: JPEG
- Music Playback Formats: MP3, WMA (v2 up to v9.2), AAC
- Video Playback Formats: Codec support: H264/MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4, WMV9/VC1, Containers: AVI, MKV

## Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: DVB COFDM 2K/8K
- Video Playback: NTSC, SECAM, PAL
- Digital TV: DVB Terrestrial\*, DVB-T MPEG4\*, DVB-C MPEG4\*
- Tuner bands: Hyperband, S-Channel, UHF, VHF

## Connectivity

- Summary: 4 x HDMI, 1 x USB, 2 x SCART, 1 x Ethernet, Wi-Fi ready
- Ext 1 Scart: Audio L/R, CVBS in, RGB
- Ext 2 Scart: Audio L/R, CVBS in, RGB
- Ext 3: YPbPr, Audio L/R in
- VGA-in: PC input, D-sub 15
- HDMI 1: HDMI v1.4 (Audio Return Ch.)
- HDMI 2: HDMI v1.3
- HDMI 3: HDMI v1.3
- HDMI Side: HDMI v1.3
- Front/Side connections: USB, Common Interface Slot (CI-+), SD-card (Videostore)
- Other connections: Headphone out, PC Audio in, Ethernet-LAN RJ-45
- EasyLink (HDMI-CEC): One touch play, EasyLink, Pixel Plus link, Remote control pass-through, System audio control, System standby

- Audio Output - Digital: Coaxial (cinch)
- PC network link: DLNA 1.5 certified

## Power

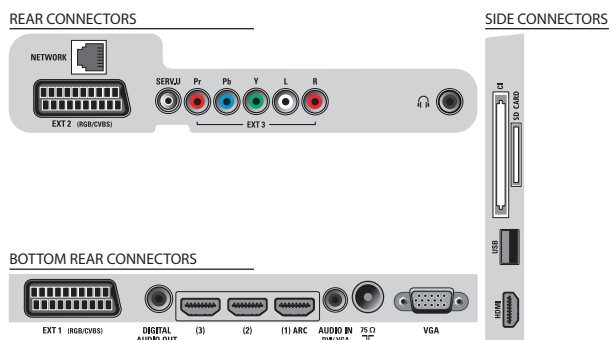
- Off mode power consumption: < 0.01 W
- Green label: ECO label certified
- Presence of lead: Yes\*
- Annual energy consumption: 106.58 kW h
- Ambient temperature: 5°C to 40°C
- Mains power: 220 - 240 V, 50/60 Hz
- Power consumption (typical): 73 W
- Standby power consumption: < 0.15 W
- Power Saving Features: 0 Watt Power-off switch, Light sensor, Eco mode, Picture mute (for radio), Auto switch-off timer

## Dimensions

- Set dimensions (W x H x D): 898 x 554 x 42 mm
- Set dimensions with stand (W x H x D): 898 x 602 x 242 mm
- Weight incl. Packaging: 17.2 kg
- Product weight: 12 kg
- Product weight (+stand): 15 kg
- Box dimensions (W x H x D): 1078 x 642 x 158 mm
- Colour cabinet: Silver-brushed deco-front with black cabinet
- Compatible wall mount: 200 x 200 mm

## Accessories

- Included accessories: Tabletop swivel stand, Quick start guide, Registration card, Warranty Leaflet, Remote Control, 2 x AAA Batteries, Safety/legal instructions, Software declaration
- Optional accessories: Wireless USB adapter (PTA01)



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

\* 8 days EPG, service not available in all countries

\* Typical on-mode power consumption measured according to IEC62087 Ed 2.

\* Net TV: Visit [www.philips.com/tv](http://www.philips.com/tv) to discover the services offered in your country.

\* Annual energy consumption is calculated using the typical power consumption of 4 hours per day, 365 days per year.

\* 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.

\* This television contains lead only in certain parts or components where no technology alternatives exist in accordance with existing exemption clauses under the RoHS Directive.