

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

102 cm (40")  
Full HD 1080p  
digital TV

40PFL7605H



## Be part of the action!

with Ambilight in an ultra-thin design

Experience television as it was meant to be with a flat screen Philips 102 cm (40") LED TV. The 40PFL7605 LED TV combines 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
- 100Hz LCD, 2ms performance for superb motion sharpness
- HD Natural Motion for ultra smooth motion in Full HD movies

### Impressive, invisible sound

- Feel the power of 20W RMS and Incredible Surround

### In-built internet TV

- 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



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# PHILIPS

# 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 the 2 sides of the TV, from the back of the screen onto the surrounding wall. Ambilight adjusts automatically the colour and brightness of the light to match the picture, creating an immersive viewing experience. The wall adaptive function ensures that the color of the light always matches the picture, no matter what the color 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 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 and on top the lowest power consumption in its category. An other environmental benefit is that LED lighting technology does not contain hazardous materials. With LED backlight you can enjoy low power consumption, high

brightness, incredible contrast and sharpness and vibrant colors.

## 100Hz LCD, 2ms response time

100Hz 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 minimize 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.

## 20W RMS Incredible Surround

Feel the power of the music beat and the atmosphere of the movies. The powerful 20W RMS (2x10W RMS) amplifiers create a lifelike soundstage. The Incredible Surround 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.

## Energy efficient LED

Using the latest LED backlight technology, LED-backlit TVs are 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.

## Philips Net TV



Experience a rich selection of online services with Philips Net TV. Enjoy movies, pictures, infotainment and other internet 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 Class B

### EU Energy Label

For many years Philips has pro-actively been working on the reduction of both on-mode and standby power consumption of its televisions and as a result most Philips televisions has achieved green EU energy labels in 2010. The greener the label, the lower the on-mode power consumption and the lower your energy bill and friendlier to the environment.



# Specifications

## Picture/Display

- 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: 40 inch / 102 cm
- Display: LCD Full HD, edge LED backlight
- Panel resolution: 1920x1080p
- Picture enhancement: Pixel precise HD, Active Control + Light sensor, 100Hz Clear LCD, Digital Noise Reduction, Dynamic contrast enhancement, Luminance Transient Improver, MPEG artifact reduction, HD Natural Motion, Super Resolution, Color booster
- Screen enhancement: Anti-Reflection coated screen
- Peak Luminance ratio: 65 %
- Color processing: 4 trillion colors (14bit RGB)
- Color cabinet: Silver-brushed deco-front with black cabinet

## 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 color

## Supported Display Resolution

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

## Sound

- Output power (RMS): 2 x 10W, 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 Program Naming, Autoinstall, Program Name, Sorting

- Ease of Use: Smart Picture, Smart Sound, Onscreen Usermanual, EasyLink, Favorite program selection, Mozaic channel grid, One-stop experience button, One-stop Home button
- Electronic Program Guide: Now + Next EPG, 8day Electronic Program Guide\*
- Screen Format Adjustments: Auto Format, Super Zoom, Movie expand 16:9, Widescreen, unscalled (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

- 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
- Net TV: Included

## 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

- 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-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 (Philips), Remote control pass-through, System audio control, System standby

- Audio Output - Digital: Coaxial (cinch)
- PC network link: DLNA 1.5 certified
- Summary: 4x HDMI, 1x USB, 2x SCART, 1x Ethernet, Wi-Fi ready

## Power

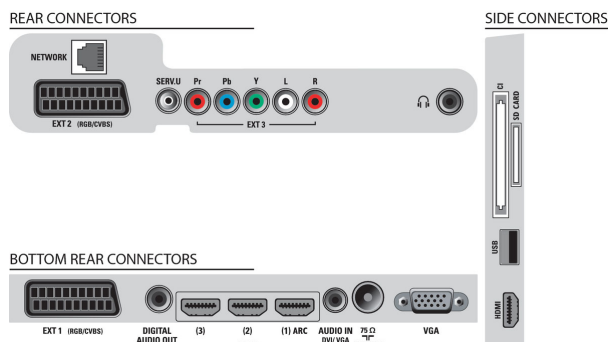
- Green label: ECO label certified
- Ambient temperature: 5 °C to 40 °C
- Mains power: 220 - 240V, 50/60Hz
- Power consumption (typical): 84 W
- Standby power consumption: < 0.15 W
- Off mode power consumption: < 0.01 W
- Annual energy consumption: 122.64 kWh
- Presence of lead: Yes\*
- Power Saving Features: 0 Watt Power-off switch, Light sensor, Eco mode, Picture mute (for radio), Auto switch-off timer

## Dimensions

- Compatible wall mount: 200 x 200mm
- Set dimensions (W x H x D): 966 x 593 x 41.5 mm
- Set dimensions with stand (W x H x D): 966 x 641 x 242 mm
- Weight incl. Packaging: 18.5 kg
- Product weight: 13 kg
- Product weight (+stand): 16 kg
- Box dimensions (W x H x D): 1150 x 682 x 158 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 adaptor (PTA01)



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

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

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

\* 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.

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

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

\* 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.