

Philips 6000 LED series  
LED TV with Ambilight  
Spectra 2 and Pixel Precise  
HD

117 cm (46")  
Full HD 1080p

46PFL6605



## Be part of the action!

with Ambilight and brilliant LED pictures

Be captivated by the unique Ambilight innovation from Philips. Together with the latest 100Hz direct LED backlight technology, this TV will create intense and precious moments for you and your family.

### 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
- 100Hz LCD, 2ms performance for superb motion sharpness
- HD Natural Motion for ultra smooth motion in Full HD movies

### Rich and clear sound.

- 2.1 system 40 W surround sound (2 x 10 W RMS, virtual 20 W)\*
- Hear every word with Clear Sound

### Complete digital connectivity made simple

- Seamless connectivity with 3 HDMI inputs and Easylink
- USB for fantastic multimedia playback

### Greener every day

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

# PHILIPS

LED TV  
117 cm (46") Full HD 1080p

# 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.

## 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.

## 2.1 sound system 40 W\*



Virtual 2.1 speaker system for an incredible 40W sound (2x10W + 20W Virtual Power\*).

\*This virtual 2.1 speaker system manages power intelligently to deliver twice the original power supplied and produces an excellent bass. Enjoy the purity and detailed sound with the additional dome tweeter which delivers uncompromised sound in a slim invisible speaker design.

## 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

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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.

## 3 HDMI inputs with Easylink



HDMI is a single cable to carry both picture and audio signals from your devices to your TV, saving you from cable clutter. It carries uncompressed signals, ensuring that you have the highest quality from source to screen. Together with Philips Easylink, you need only one remote control to perform most operations on your TV, DVD, BluRay, set top box or home theatre system. Enjoy high quality picture and sound without clutter or fuss.

## Clear Sound



Clear Sound is an innovative audio technology that significantly increases the comprehensibility of the voice, whether spoken or sung. It ensures you hear every word, so you can enjoy what you're watching to the fullest.



Pixel  
Precise HD



100Hz  
CLEARLCD | 2ms

HD Natural Motion

Full HD  
1080p

2x10W + 20W  
2.1 VIRTUAL

Clear Sound

HDMI x3  
with  
easyLINK

# 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: 46 inch / 117 cm
- Display: LCD Full HD, direct 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, 1080p 24/25/30Hz processing, 1080p 50/60Hz processing, HD Natural Motion, LED backlight Display, Color booster
- Screen enhancement: Anti-Reflection coated screen

## Ambilight

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

## Supported Display Resolution

### Computer formats

Resolution	Refresh rate
640 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz
1280 x 1024	60Hz
1360 x 768	60Hz
1600 x 1200	60Hz
1920 x 1080	60Hz

### Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
720p	50, 60Hz
1080i	50, 60Hz
1080p	24, 25, 30, 50, 60Hz

## Sound

- Output power (RMS): 20W
- 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, Settings assistant wizard, Device connection wizard, Auto detect Philips devices, Auto Program Naming, Autoinstall, Fine Tuning, Sorting
- Ease of Use: Smart Picture, Smart Sound, Connectivity assistant, Demo mode, EasyLink, Favorite program selection, Mozaïc channel grid, One-stop experience button, One-stop Home button
- Screen Format Adjustments: Super Zoom, Movie expand 16:9, Widescreen, unscaled (1080p dot by dot)
- Teletext: 1000 page Hypertext
- Signal strength indication
- Firmware upgradeable: Firmware upgradeable via USB
- Multimedia: auto slideshow, USB autobreak-in, USB media browser

## Multimedia Applications

- Multimedia connections: USB
- 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, RealMedia (.rm, .rmvb, RV8-10), Containers: AVI, MKV

## Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: PAL B/G, PAL D/K
- Video Playback: NTSC, SECAM, PAL
- Tuner bands: Hyperband, S-Channel, UHF, VHF

## Connectivity

- AV 1: Audio L/R in, YPbPr
- AV 2: Audio L/R in, YPbPr
- AV 3: Audio L/R in, CVBS in, S-Video in
- VGA-in: PC input, D-sub 15
- HDMI 1: HDMI v1.4 (Audio Return Ch.)
- HDMI 2: HDMI v1.3

- Front / Side connections: HDMI v1.3, USB
- EasyLink (HDMI-CEC): One touch play, Pixel Plus link (Philips), Remote control pass-through, System audio control, System standby, System info (menu language)
- Audio Output - Digital: Coaxial (cinch)

## Power

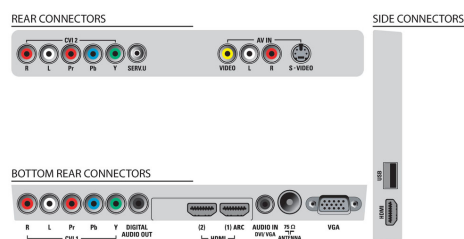
- Ambient temperature: 5 °C to 35 °C
- Mains power: 220-240V~; 50-60Hz
- Power consumption (typical): 109 W
- Standby power consumption: < 0.15 W
- Power Saving Features: 0 Watt Power-off switch, Light sensor, Eco mode

## Dimensions

- Set dimensions (W x H x D): 1122 x 685 x 87 mm
- Set dimensions with stand (W x H x D): 1122 x 731 x 268 mm
- Weight incl. Packaging: 26.4 kg
- Product weight: 17.9 kg
- Product weight (+stand): 21.3 kg
- Box dimensions (W x H x D): 1349 x 773 x 198 mm
- VESA wall mount compatible: 300 x 300 mm

## Accessories

- Included accessories: Tabletop swivel stand, Quick start guide, User Manual, Warranty certificate, Remote Control, 2 x AAA Batteries, Software declaration
- User Manual: English, French, Simplified Chinese, Thai



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