

Philips 8000 series  
LED TV with Ambilight  
Spectra 2 and Pixel Precise  
HD

117 cm (46")  
Full HD 1080p

46PFL8605



## Be part of the action!

with Ambilight in an ultra-thin design

Like a painting on your wall, experience the latest in ultra thin TV 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
- 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
- Hear every word with Clear Sound

### In-built internet 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

# 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.

## DLNA PC Network link



The DLNA PC-Network link provides easy access to videos, photos and music content on your PC or Home Network using your TV remote control. By connecting your TV to your home network, you will be able to access content from all DLNA certified devices seamlessly. Browse your PC collection of multimedia from your TV at a push of a button.

## 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.

## Clear Sound



Critical moments in a movie or your favorite show are too often missed. Clear Sound is an innovative audio technology that significantly increases the intelligibility of vocalizations, whether spoken or sang. It ensures you hear every word, so you can enjoy what you're watching to the fullest.



# 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, 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
- Color processing: 4 trillion colors (14bit RGB)
- Color cabinet: Mid Silver Brush Aluminium with Black Cabinet

## 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 (2x10W)
- 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, Program Name, Sorting
- Ease of Use: Smart Picture, Smart Sound, EasyLink, Favorite program selection, Mozaïc 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, unscaled (1080p dot by dot)
- Signal strength indication
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB
- Multimedia: DLNA media Browser, 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

## Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: PAL B/G, PAL D/K
- Video Playback: NTSC, 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
- HDMI 3: HDMI v1.3
- HDMI Side: HDMI v1.3
- Front / Side connections: USB
- Other connections: Headphone out, PC Audio in, Ethernet-LAN RJ-45
- EasyLink (HDMI-CEC): One touch play, 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

## Power

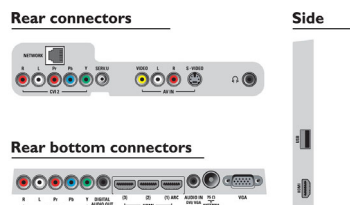
- Ambient temperature: 5 °C to 35 °C
- Mains power: 220 - 240V, 50/60Hz
- Power consumption (typical): 108 W
- Standby power consumption: < 0.15 W
- Power Saving Features: 0 Watt Power-off switch, Light sensor, Eco mode, Auto switch-off timer

## Dimensions

- Compatible wall mount: 300 x 300mm
- Set dimensions (W x H x D): 1103 x 669 x 42.4 mm
- Set dimensions with stand (W x H x D): 1103 x 716 x 265 mm
- Weight incl. Packaging: 24.9 kg
- Product weight: 16.5 kg
- Product weight (+stand): 20 kg
- Box dimensions (W x H x D): 1334 x 783 x 198 mm

## Accessories

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



Issue date 2019-06-28

Version: 3.1.4

12 NC: 8670 000 60026  
EAN: 87 12581 52594 1

© 2019 Koninklijke Philips N.V.  
All Rights reserved.

Specifications are subject to change without notice.  
Trademarks are the property of Koninklijke Philips N.V.  
or their respective owners.

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

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