

Philips 9000 series  
Smart LED TV with  
Ambilight Spectra XL and  
Perfect Pixel HD

**117 cm (46")**

Full HD 3D Max  
DVB-T/C

**46PFL9706H**



## Award winning performance

3 sided Ambilight and best picture quality

Awarded Best LCD TV by EISA for the last 10 years, the 9000 series brings innovation in picture and connectivity. Perfect Pixel HD Engine and LED Pro give you the most true to life images. Ambilight and 3D Max bring movies to life.

### **Intensify your viewing experience**

- Ambilight Spectra XL, a new Ambilight for more immersion
- 3D Max for a truly immersive Full HD 3D experience

### **Award winning picture and sound performance**

- Full HD TV and Perfect Pixel HD Engine for unrivaled clarity
- Moth Eye for highest image contrast and lowest reflection
- FULL HD LED Pro for the world's most vivid 3D images
- Bright Pro for true to life brightness
- 1200Hz Perfect Motion Rate (PMR) for superb motion sharpness
- 40W SoundStage for dynamic powerful sound in a ultra slim TV

### **Enjoy the online world with Smart TV**

- A wealth of online apps, videos to rent and catch-up TV
- Control the TV with your smart phone, tablet or keyboard
- With DLNA, enjoy photos, music and movies on your TV
- Find, schedule, record & pause TV



# PHILIPS

Smart LED TV  
117 cm (46") Full HD 3D Max, DVB-T/C

46PFL9706H/12

# Highlights

## Ambilight Spectra XL



Expand your viewing experience with Ambilight Spectra XL. This patented Philips technology enlarges the screen more than ever before by projecting a glow of light from the back of the TV screen onto the surrounding wall. Ambilight automatically adjusts the color and brightness of the light to match the TV picture. Thanks to the wall-adaptive function, the color of the light is perfect, regardless of your wall color.

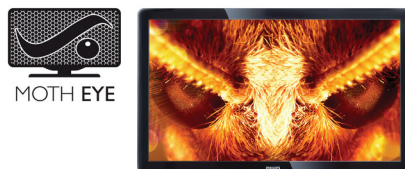
## 3D Max



Be enthralled by 3D movies in your own living room with the 3D Max. The combination of the fast display and Active shutter glasses bring real life depth in Full HD resolution. Now all 2D content can be experienced in 3D and you can even control the depth of the 3D to your liking. Your TV is ready for the 3D Max

experience by adding the 3D Max glasses PTA516 and a 3D compatible BluRay player.

## Moth Eye



Moth Eye is inspired by the perfection of natural evolution by using special nanostructures found in moth eyes helping them hide from predators, known as the most perfect anti-reflective surface. Those extraordinary properties extend the image contrast by deepening the blackness of dark tones, while increasing the lightness of bright elements without halos or reflections. Enjoy a true-to-life contrast with incredibly brilliant detail.

## Full HD LED Pro



Full HD LED Pro delivers extreme contrast and the world's most vivid 3D images. Enjoy breathtaking pictures and use up to 50% less energy with Philips award winning LED Pro! In the thin display backlight, over 1000 LEDs generate the brightest white as well as the deepest black. Combined with the powerful

Perfect Pixel HD Engine, the result is a stunning picture with extreme contrast, sharpness and vibrant colors.



## Smart TV

Smart TV for an easier & wireless TV experience in 4 areas. Net TV lets you enjoy a wealth of online apps on your TV: rent movies, watch catch-up TV and enjoy social media. Stay in Control: change channels or enter text using your Smartphone or tablet. Use SimplyShare to enjoy photos, music and video from your computer, phone & tablet on your TV. Watch your favorite Program whenever you want: our program guide helps you with Smart USB recording.



## EISA

### Best European 3D TV

This TV has been awarded the European Best 3D TV by EISA. 3D Max has flicker free full HD 3D performance. Adjust the depth of a native 3D picture in detail. Screen reflection is reduced with 'Moth Eye' filter and black is real black without loss of detail - what's more, the price is really attractive for such a top set.



# Specifications

## Ambilight

- Ambilight Version: Ambilight Spectra XL
- Ambilight Features: Wall colour adaptive, Lounge light mode

## Picture/Display

- Display: 2D segmented LED backlight
- Diagonal screen size: 46 inch / 117 cm
- Panel resolution: 1920x1080p
- 3D: 3D Max\*, 2D to 3D conversion, 3D Depth adjustment, 2 Player Full Screen Gaming\*
- Aspect ratio: 16:9
- Brightness: 500 cd/m<sup>2</sup>
- Peak Luminance ratio: 65 %
- Dynamic screen contrast: 150.000.000:1
- Response time (typical): 0.5 ms
- Picture enhancement: Perfect Pixel HD Engine, Motheye Contrast Filter, Perfect Natural Motion, ISF image calibration, Active Control + Light sensor, LED Pro, Wide Color Gamut display, Super Resolution, Local dimming LED backlight, Perfect Colors, Perfect Contrast, Scanning backlight, Bright Pro, 1200 Hz Perfect Motion Rate

## Sound

- Output power (RMS): 40W (2 x 20W)
- Sound Enhancement: Auto Volume Leveller, Clear Sound, Incredible Surround, Treble and Bass Control
- Loudspeaker types: Soundstage stand enclosure

## Smart TV Applications

- Control: MyRemote app (iOS & Android), USB Keyboard & Mouse support
- SimplyShare: DLNA media browser, USB media browser, WiFi MediaConnect\*
- Net TV: Catch-up TV, Online Video stores, Open Internet browser, Online apps
- Program: Pause TV, USB recording

## Connectivity

- Number of HDMI connections: 4
- HDMI features: 3D, Audio Return Channel
- EasyLink (HDMI-CEC): Remote control pass-through, System audio control, System standby, Plug & play add to Homescreen, Auto subtitle shift (Philips), Pixel Plus link (Philips), One touch play
- Number of component in (YPbPr): 1
- Number of scarts (RGB/CVBS): 1

- Number of USBs: 2
- Other connections: Antenna IEC75, Common Interface Plus (CI+), Ethernet-LAN RJ-45, SD card slot (Videostore), Digital audio out (optical), PC-in VGA + Audio L/R in, Headphone out, Service connector
- Wireless connections: WiFi Certified

## Multimedia Applications

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

## Supported Display Resolution

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

## Convenience

- PC network link: DLNA 1.5 certified
- Electronic Program Guide: 8day Electronic Program Guide\*
- Ease of Installation: Auto detect Philips devices, Channel installation wizard, Device connection wizard, Network installation wizard, Settings assistant wizard, 2-in-1 Wallmount Stand
- Ease of Use: One-stop Home button, Onscreen Usermanual, Touch control buttons
- Screen Format Adjustments: Autofill, Autozoom, Movie expand 16:9, Super Zoom, Unscaled, Widescreen
- Signal strength indication
- Teletext: 1200 page Hypertext
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade

## Tuner/Reception/Transmission

- Digital TV: DVB-C MPEG2\*, DVB-C MPEG4\*, DVB-T MPEG2\*, DVB-T MPEG4\*
- Video Playback: NTSC, PAL, SECAM

## Power

- Mains power: AC 220 - 240 V 50/60Hz
- Ambient temperature: 5 °C to 35 °C

- Energy Label Class: A
- Eu Energy Label power: 86 W
- Annual energy consumption: 119 kWh
- Standby power consumption: <0.1 W
- Power Saving Features: 0 Watt Power-off switch, Auto switch-off timer, Eco mode, Eco settings menu, Light sensor, Picture mute (for radio)
- Presence of lead: Yes\*
- Off mode power consumption: < 0.01 W

## Dimensions

- Set dimensions (W x H x D): 1083 x 660 x 39 mm
- Set dimensions with stand (W x H x D): 1083 x 718 x 244 mm
- Product weight: 16 kg
- Product weight (+stand): 20 kg
- Compatible wall mount: adjustable 300 x 200mm
- Stand width: 462 mm

## Accessories

- Included accessories: Power cord, Remote Control, 2x battery CR2032, Tabletop swivel stand, Quick start guide, Legal and safety brochure, Wall mounting bracket, Moth Eye Cleaning Cloth, Smart TV Quick Guide, WiFi Mediaconnect voucher
- Optional accessories: 3DMax Glasses PTA516 (Active)

\* 3D TV requires Accessory PTA516 (Active shutter glasses), a 3D compatible source device, and 3D source material.

\* 3D Max two player gaming is only supported by 3D Max TVs with following set types: 58pfl9956, 46pfl9706, 37pfl9606, 52pfl9606, 46pfl8686, 40pfl8606, 46pfl8606, \_pfl5507 (Eu), \_pfl7007 (Eu), \_pfl8007 (Eu), \_pfl9x07

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

\* Wi-Fi Media connect: The playback of video can be affected by your PC speed and Wi-Fi bandwidth. For minimum and recommended system requirements go to [www.philips.com/wifimediaconnect](http://www.philips.com/wifimediaconnect). Displays content with a delay of some seconds. Small differences of image and sound can occur.

\* Parents should monitor their children during 3D viewing and ensure they do not experience any discomfort as mentioned above. Watching 3D is not recommended for children under 6 years of age as their visual system is not fully developed yet.

\* 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.

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

\* USB recording only for digital channels covered by the TV IP bases Electronic Programme Guide (country and channel restrictions may apply), recordings may be limited by broadcast copy protection (CI+). An internet connection is required.

\* 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.

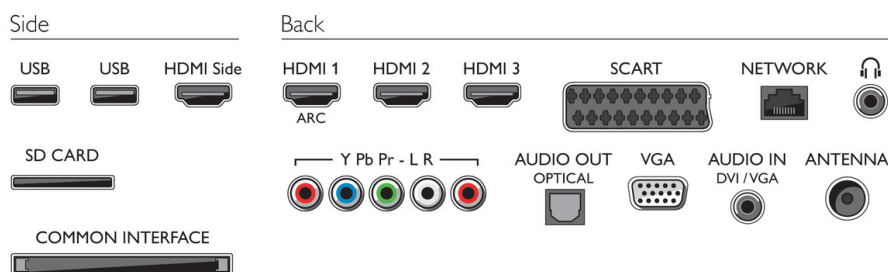
\* This television contains lead only in certain parts or components where no technology alternatives exist in accordance with existing exemption clauses under the RoHS Directive.

\* ISF and IMAGING SCIENCE FOUNDATION are Trade Marks owned by Isf Research Labs Llc Limited Liability Company

\* For 2D games only.

\* Ensure that the game console is connected to the HDMI connector of the TV.

## Connections



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