Philips 9000 series
Smart LED TV

117 cm (46")
Full HD 3D
DVB-T2/C

46PFL9706T

Award winning performance

3-sided Ambilight and the 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

Enjoy the online world with Smart TV
- Integrated Wi-Fi to use Net TV apps and SimplyShare wireless
- A wealth of online apps, videos to rent and catch-up TV
- Control the TV with your smart phone, tablet or keyboard
- With SimplyShare, enjoy photos, music and films on your TV

Award-winning picture and sound performance
- Full HD TV and Perfect Pixel HD Engine for unrivalled 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
- 1200 Hz Perfect Motion Rate (PMR) for superb motion sharpness
- 40 W SoundStage for a dynamic, powerful sound in an ultra slim TV

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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 colour and brightness of the light to match the TV picture. Thanks to the wall-adaptive function, the colour of the light is perfect, regardless of your wall colour.

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 — just add the 3D Max glasses.

Perfect Pixel HD

Experience unrivalled sharpness and clarity with Perfect Pixel HD Engine. Each pixel of the picture is enhanced to better match the surrounding pixels. The result is a unique combination of sharpness, natural detail, vivid colours, superior contrast and smooth natural motion. Clean and razor sharp images come from artefact and noise detection and reduction in all content sources. The Full HD screen with 1920x1080 pixels produces brilliant flicker-free pictures with superb brightness.

Moth Eye

Moth Eye is inspired by the perfection of natural evolution by using special nanostructures as found in moths' eyes. Known as the most perfect anti-reflective surface, they help the moth to hide from predators. These 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.

Bright Pro

Experience the thrill of images with true to life brightness and blazing contrast with Bright Pro.

Building on Philips award winning LED Pro, it enables a boosted light output for sections of the image, while maintaining ink-black dark sections. This provides both the unparalleled brightness, while the advanced, smart processing achieves up to 50% less energy use.

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 colours.

1200 Hz Perfect Motion Rate

1200 Hz Perfect Motion Rate (PMR) creates extreme motion sharpness for clear and vibrant images in fast action films. The new Philips PMR standard shows the combined visible effect of the fastest panel refresh rate, Perfect Natural Motion and unique processing formula, for unprecedented motion sharpness

Specifications

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

Picture/Display
- Aspect ratio: 16:9
- Diagonal screen size (inch): 46 inch
- Diagonal screen size (metric): 117 cm
- Display: 2D segmented LED backlight

- Panel resolution: 1920 x 1080p
- 3D: 3D Max*, 2D to 3D conversion, 3D Depth adjustment, 2 Player Full Screen Gaming*
- Brightness: 500 cd/m²
- Picture enhancement: Perfect Pixel HD Engine, Moth Eye Contrast Filter, Perfect Natural Motion, ISF image calibration, Active Control + Light sensor, LED Pro, Wide colour gamut display, Super Resolution, Local dimming LED backlight, Perfect Colours, Perfect Contrast, Scanning backlight,
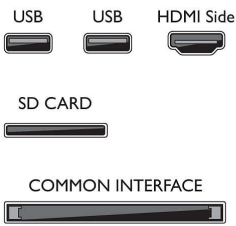
Bright Pro, 1200 Hz Perfect Motion Rate
- Dynamic screen contrast: 150,000,000:1
- Response time (typical): 0.5 ms
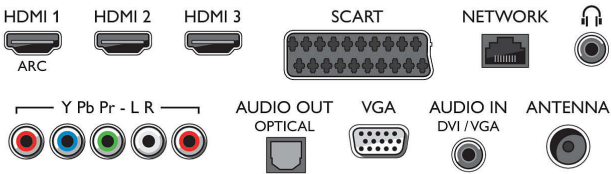- Peak Luminance ratio: 65 %

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

Connections

Side

USB   USB   HDMI Side

SD CARD

COMMON INTERFACE

Back

HDMI 1   HDMI 2   HDMI 3   SCART   NETWORK   🎧
ARC

Y Pb Pr - L R   AUDIO OUT   VGA   AUDIO IN   ANTENNA
OPTICAL   DVI / VGA

Specifications

Tuner/Reception/Transmission
- Digital TV: DVB-C MPEG2*, DVB-C MPEG4*, DVB-T MPEG2*, DVB-T MPEG4*, DVB-T2, Freeview HD
- Video Playback: NTSC, PAL, SECAM

Smart TV Applications
- Control: MyRemote app (iOS & Android), USB Keyboard and Mouse support
- Net TV: Catch-up TV, Online Video shops, Open Internet browser, Online apps
- SimplyShare: DLNA media browser, USB media browser, Wi-Fi MediaConnect*
- Programme: Pause TV, USB recording

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

Convenience
- 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, On-screen User manual, Touch control buttons
- PC network link: DLNA 1.5 certified
- Screen Format Adjustments: Autofill, Autozoom, Movie expand 16:9, Super Zoom, Unscaled, Widescreen
- Electronic Programme Guide: 8-day Electronic Programme Guide*
- Signal strength indication
- Teletext: 1200-page Hypertext
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade

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

Connectivity
- Number of HDMI connections: 4
- HDMI features: 3D, Audio Return Channel
- Number of components in (YPbPr): 1
- EasyLink (HDMI-CEC): Remote control pass-through, System audio control, System standby, Plug and play add to Homescreen, Auto subtitle shift (Philips), Pixel Plus link (Philips), One touch play
- Number of scarts (RGB/CVBS): 1
- Number of USBs: 2
- Wireless connection: Wi-Fi Certified
- 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

Power
- Mains power: AC 220 - 240 V 50/60 Hz
- Ambient temperature: 5°C to 35°C
- Standby power consumption: < 0.1 W
- Energy Label Class: A
- EU Energy Label power: 86 W
- Power Saving Features: 0 Watt Power-off switch, Auto switch-off timer, Eco mode, Eco settings menu, Light sensor, Picture mute (for radio)
- Off mode power consumption: 0.01
- Annual energy consumption: 119 kW·h
- Presence of lead: Yes*

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

Dimensions
- Set Width: 1083 mm
- Set Height: 660 mm
- Set Depth: 39 mm
- Product weight: 16 kg
- Set width (with stand): 1083 mm
- Set height (with stand): 718 mm
- Set depth (with stand): 244 mm
- Product weight (+stand): 20 kg
- Compatible wall mount: adjustable 300 x 200 mm
- Stand width: 462 mm

* 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 the following set types: 58pfl9956, 46pfl9706, 37pfl9606, 52pfl9606, 46pfl8686, 40pfl8606, 46pfl8606, _pfl5507 (Eu), _pfl7007 (Eu), _pfl8007 (Eu), _pfl9x07
* Net TV: Visit www.philips.com/smarttv to discover the services available 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. Displays content with a delay of some seconds. Small differences between 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 is only possible 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.

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