Philips
LED TV with Ambilight Spectra 3 and Perfect Pixel HD Engine

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

46PFL9705H





Award winning performance

with Ambilight and the best picture quality

Be enthralled by the immersive power of Ambilight on a 117cm/46" flat screen TV. The Philips 9000 Series 46PFL9705 LED TV features the stunning Perfect Pixel HD engine and LED Pro. Movies really come to life in your living room.

Enlarge your viewing experience
- Ambilight Spectra 3 intensifies the viewing experience

Award winning TV pictures
- Full HD with Perfect Pixel HD Engine for unrivalled clarity
- Full HD 3D Ready for a truly immersive 3D movie experience
- LED Pro for extreme contrast and brilliance
- Bright Pro for true to life brightness
- 400Hz Clear LCD, 0.5ms for superb motion sharpness
- Perfect Natural Motion for ultra smooth Full HD movies

Be surrounded by powerful sound
- Feel the atmosphere with 30W RMS and Incredible Surround

In-built internet TV
- Philips Net TV with Wi-Fi for online services on your TV
- Online Premium videostores and TV shows on Demand
- Wi-Fi MediaConnect to project your PC media files on TV



PHILIPS

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

46PFL9705H/12

Highlights

Ambilight Spectra 3



Add a new dimension to your viewing experience with Ambilight Spectra 3. This patented Philips technology enlarges the screen by projecting a glow of light, on the 3 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 is. Get the bigger picture with Ambilight.

Perfect Pixel HD Engine

Experience unrivalled sharpness and clarity with Perfect Pixel HD Engine. Each pixel of the picture is enhanced to better match the surrounding pixels, for a more natural picture. The result is a unique combination of sharpness, natural detail, vivid colors, superior contrast and smooth natural motion whatever you are watching. Clean and razor sharp images result from artifact and noise detection and reduction in all content sources - from multimedia to standard TV. The Full HD screen with 1920 x 1080p pixels produces brilliant flicker-free progressive scan pictures with superb brightness.

Full HD 3D Ready



Be enthralled by 3D movies in your own living room with the Full HD 3D ready TV. Active 3D uses the latest generation of fast switching displays for real life depth and realism in full 1080x1920 HD resolution. Premium 3D movie releases on BluRay and upcoming 3D broadcast offers a wide and high quality content selection. Your TV is ready for the Full HD 3D experience by adding a 3D compatible BluRay player or HD receiver, and the accessory 3D upgrade kit (Philips PTA02). For family enjoyment with more than 2 viewers add as many 3D glasses as you wish (extension kit PTA03).

LED Pro



Enjoy breathtaking pictures and use up to 50% less energy with Philips award winning LED Pro! Over 1000 LED's are operated selectively in a grid as a backlight for the display. They generate brilliant light in bright image areas, and are dimmed completely in dark areas, saving energy. Combined with the powerful Perfect Pixel HD Engine, the result is a stunning picture with extreme contrast, sharpness and vibrant color. With LED Pro black is black and white is bright.

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 unparalelled brightness, while the advanced, smart processing achieves up to 50% less energy use.

400Hz LCD, 0.5ms response time

Enjoy the fastest LCD TV from Philips. The 400Hz Clear LCD* brings the response time of LCD TV to an unprecendented level of 0.5ms, so even with the fastest action scene, you will enjoy superb motion sharpness.



Matching home theatre experience

Intensify your cinematic viewing experience further with the matching and unique Philips Home Cinema system with Blu-Ray (HTS9520). The powerful performance lets you experience sound like in the cinema and embraces you completely with the unique Philips 360 sound performance. You now only need one remote control to operate both devices. Enquire more about this unique combination today!

ambi light
Perfect Pixel HD ENGINE
LED PRO
Bright PRO
400Hz CLEARLCD 0,5 ms
NetTV
Wi-Fi MediaConnect
DVB TC TERRESTRIAL/CABLE

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Specifications

Picture/Display
- Aspect ratio: Widescreen
- Brightness: 500 cd/m²
- Dynamic screen contrast: 10.000.000:1
- Response time (typical): 0,5 (BEW equiv) ms
- Viewing angle: 176° (H) / 176° (V)
- Diagonal screen size: 46 inch / 117 cm
- Display: LCD Full HD, 2D segmented LED backlight
- Panel resolution: 1920x1080p
- Picture enhancement: Perfect Pixel HD Engine, Perfect Natural Motion, Perfect Contrast, Perfect Colors, Wide color gamut display, Active Control + Light sensor, 2D/3D noise reduction, 400Hz Clear LCD*, Scanning backlight, Local dimming LED backlight, Segmented LED backlight, Bright Pro, LED Pro, Super Resolution, 3D TV prepared*
- Screen enhancement: Anti-Reflection coated screen
- Peak Luminance ratio: 65 %
- Color processing: 2250 trillion colors 17bit RGB
- 3D: 3D Ready*
- Color cabinet: Onyx Black Brushed aluminium

Ambilight
- Ambilight Version: 3-sided
- Ambilight Features: Ambilight Spectra 3, Lounge light mode in stand-by, 'Sunset' soft switch off, Wall colour adaptive
- 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 15 W, Powerful Sound
- Sound Enhancement: Auto Volume Leveler, Dynamic Bass Enhancement, Incredible Surround, Treble and Bass Control, Clear Sound
- Loudspeaker types: 2 dome tweeters, 2 woofers

Convenience
- Ease of Installation: Channel installation wizard, Network installation wizard, Settings assistant wizard, Device connection wizard, Auto detect Philips devices, 2-in-1 Wallmount Stand
- Ease of Use: Onscreen Usermanual, Touch control buttons, 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: Autofill (no black bars), Autozoom (original format), (includes 4:3, 14:9, 21:9), Super Zoom, Movie expand 16:9, Widescreen, unscaled (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, Wi-Fi MediaConnect*

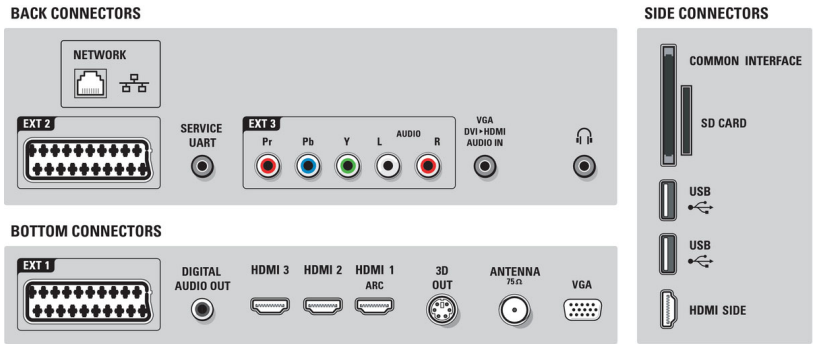
Multimedia Applications
- Picture Playback Formats: JPEG
- Music Playback Formats: MP3, WMA (v2 up to v9.2), AAC
- Video Playback Formats: Codec support:, H264/MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4, WMV9/VC1, Containers: AVI, MKV
- Net TV: Included

Tuner/Reception/Transmission
- Aerial Input: 75 ohm coaxial (IEC75)
- Video Playback: NTSC, SECAM, PAL
- Digital TV: DVB Terrestrial *, DVB-T MPEG4*, DVB-C MPEG4*, MHEG
- 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: 2x USB, Common Interface Slot (CI-CI+), SD-card (Videostore)
- Other connections: Headphone out, S/PDIF out (coaxial), built in WiFi 802.11b/g/n-spec, Ethernet-LAN RJ-45, 3D TV connector
- HDMI features: Audio Return Channel, Instaport fast HDMI switching
- EasyLink (HDMI-CEC): One touch play, EasyLink, Pixel Plus link (Philips), Remote control pass-through, System audio control, System standby
- PC network link: DLNA 1.5 certified
- Summary: 4x HDMI, 1x USB, 2x SCART, 1x Ethernet, Integrated Wi-Fi

Power
- Green label: ECO label certified
- Ambient temperature: 5 °C to 35 °C
- Mains power: AC 220 - 240 V 50/60Hz
- Power consumption (typical): 100.0 W
- Standby power consumption: <0.15 W
- Off mode power consumption: < 0.01
- Annual energy consumption: 146.00 kW·h
- Presence of lead: Yes*
- Power Saving Features: 0 Watt Power-off switch, Light sensor, Eco mode, Picture mute (for radio), Auto switch-off timer, Eco settings menu

Dimensions
- Set dimensions (W x H x D): 1088 x 671 x 69 mm
- Set dimensions with stand (H x D): 707 x 260 mm
- Stand width: 500 mm
- Product weight: 23 kg
- Product weight (+stand): 25 kg
- Box dimensions (W x H x D): 1231 x 1040 x 338 mm
- Wall mount compatible: 300 x 300 mm



* 400Hz Clear LCD displays 400 scenes per second by combining advanced 200Hz technology with scanning backlight @ 50% dutycycle.
* 8 days EPG, service not available in all countries
* Net TV: Visit www.philips.com/smarttv 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 subscripction are required. Contact your operator for more information.
* 3D TV requires Accessory PTA02 (Active shutter glasses and transmitter, a 3D compatible source device, and 3D source material.
* Typical on-mode power consumption measured according to IEC62087 Ed 2.
* 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.

Issue date 2022-07-14

Version: 4.2.12

12 NC: 8670 000 59602
EAN: 87 12581 52301 5

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