



Philips 9000 LED Pro series
LCD TV with Ambilight Spectra 3 and Perfect Pixel HD Engine

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. Featuring the stunning Perfect Pixel HD engine, LED Pro and powerful sound, movies really come to life in your living room.

Enlarge your viewing experience

- Ambilight Spectra 3 intensifies the viewing experience

Award winning picture performance

- Full HD with Perfect Pixel HD Engine for unrivalled clarity
- 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

Connect and enjoy the online world

- Net TV with Wi-Fi for popular online services on your TV
- Premium movies directly to your TV from online video stores
- TV shows on demand from your favorite national TV channels*
- Wi-Fi MediaConnect to stream movies from your laptop to TV

PHILIPS

sense and simplicity

Highlights

Ambilight Spectra 3



Add a new dimension to your viewing experience with Ambilight Spectra 3. This patented Philips technology enlarges the screen further by projecting a glow of light from the back of the screen onto the surrounding wall. Ambilight adjusts automatically the colour and brightness of the light surrounding the TV to match with the picture, creating an immersive viewing experience. With Ambilight Spectra 3 movies truly come to life!

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.

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 boosted light output for sections of the image, while maintaining the ink-black dark sections. The display has over 1000 selectively operated backlight LED's that provides both the unparalleled brightness, while the advanced, smart processing achieves up to 50% less energy use.

400Hz LCD, 0.5ms response time

Enjoy extreme motion sharpness without picture imperfections. The Philips 400Hz Clear LCD* brings the response time of LCD TV to an incredible 0.5ms, so even with the fastest action scene you will be enthralled by the action, and not following the stretched car across the screen. Go ahead, enjoy the action!

Perfect Natural Motion



Enjoy the action without any judder. Perfect Natural Motion estimates motion in the picture and corrects juddering movements in both broadcast and pre-recorded movie

material (including 1080p movies and 24p True Cinema on Blu-ray and DVD). The result is even smoother and quieter pictures with excellent sharpness. Enjoy motion performance that surpasses cinema quality!

30W RMS Incredible Surround

Feel the power of the music beat and the atmosphere of the movies. The powerful 30W 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.

Net TV with Wi-Fi



Experience a rich selection of online services with Net TV. Enjoy movies, pictures, infotainment and other online content directly on your TV whenever you like. Simply connect your TV directly to your home network through either the integrated Wi-Fi wireless or ethernet connections, and navigate and select what you want to watch with the TV remote control. The Philips menu gives you access to popular Net TV services fitted for your TV screen. Additionally, with the DLNA certified PC network you can watch videos or access pictures stored on your computer using your TV remote control.

Videostore on-demand movies

Enjoy Premium movies directly to your TV from online videostores. The greatest romantic classics or fast action movies, it's all there at a push of a button from the comfort of your sofa. Videostore offers an overwhelming collection of movies and series, ranging from the hottest new releases to the invaluable classics.



Specifications

Picture/Display

- Aspect ratio: Widescreen
- Brightness: 500 cd/m²
- Dynamic screen contrast: 10.000.000:1
- Response time (typical): 0,5 (BEV equiv.) ms
- Viewing angle: 176° (H) / 176° (V)
- Diagonal screen size: 46 inch / 117 cm
- Display screen type: LCD Full HD W-UXGA Act. matrix
- Panel resolution: 1920x1080p
- Picture enhancement: Perfect Pixel HD Engine, Perfect Natural Motion, Perfect Contrast, Perfect Colors, Wide Color Gamut display, Active Control + Light sensor, Jagged Line Suppression, Progressive scan, 2D/3D noise reduction, 1080p 24/25/30Hz processing, 1080p 50/60Hz processing, 400Hz Clear LCD*, Scanning backlight, Local dimming LED backlight, Segmented LED backlight, Bright Pro, LED Pro, Super Resolution
- Screen enhancement: Anti-Reflection coated screen
- Color processing: 2250 trillion colors 17bit RGB

Ambilight

- Ambilight Version: 3 sided
- Ambilight Features: Ambilight Spectra 3, Lounge light mode in stand-by
- 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 768	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): 2 x 15W
- Sound Enhancement: Auto Volume Leveller, Dynamic Bass Enhancement, Incredible Surround, Treble and Bass Control, Clear Sound

Loudspeakers

- Built-in speakers: 4
- Loudspeaker types: Integrated subwoofer, 2x Dome tweeter

Convenience

- Child Protection: Child Lock+Parental Control
- Ease of Installation: Channel installation wizard, Network installation wizard, Settings assistant wizard, Device connection wizard, Auto detect Philips devices, Auto Program Naming, Automatic Channel Install(ACI), Fine Tuning, PLL Digital Tuning, 2-in-1 Wallmount Stand
- Ease of Use: Auto Volume Leveller (AVL), Graphical User Interface, On Screen Display, Program List, Settings assistant Wizard, Demo mode, Onscreen Usermanual, Touch control buttons, Favorite program selection, Mozaic channel grid, One-stop experience button, Simplified Remote Control
- Electronic Program Guide: Now + Next EPG, 8day Electronic Program Guide*
- Remote control type: RC4498
- Automatic Screen Format: Autofill (no black bars), Autozoom (no distortion), Dynamic black bar detection, includes: 4:3, 14:9, 16:9, Widescreen, Superzoom, WSS / AFD format bit detection, Viewport link, Logo suppression, Dynamic subtitle shift, Format selection per input, PC signal mode
- Manual Screen Format: Superzoom, 16:9 Movie Expand, 4:3 (for PC), Widescreen, Unscaled (1080 dot on dot), Format selection per input, Manual shift per input
- Teletext: 1200 page Hypertext
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade
- Multimedia: Digital media reader (browser), USB autobreak-in, DLNA media Browser, Net TV services, Wi-Fi MediaConnect
- Smart mode: Game, Cinema, Personal, Power saver, Standard, Vivid

Multimedia Applications

- Multimedia connections: Ethernet-UTP5, USB, Wi-Fi 802.11g (built in)
- 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: DVB COFDM 2K/8K
- Video Playback: NTSC, SECAM, PAL
- DVB: DVB Terrestrial *, DVB-T MPEG4*, DVB-C MPEG4*, MHEG
- Tuner bands: Hyperband, S-Channel, UHF, VHF

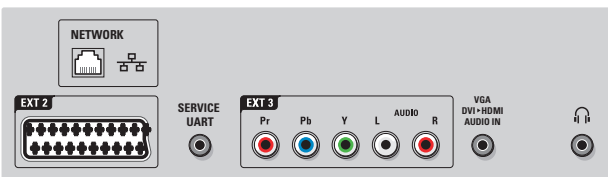
Connectivity

- 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
- HDMI features: Audio Return Channel, Instant fast HDMI switching
- EasyLink (HDMI-CEC): One touch play, EasyLink, Pixel link, Remote control pass-through, System audio control, System standby
- Front / Side connections: 2x USB, Common Interface Slot (CI-CI+), SD-card (Videostore)
- Other connections: Ethernet, Headphone out, S/PDIF out (coaxial)
- PC network link: DLNA 1.5 certified

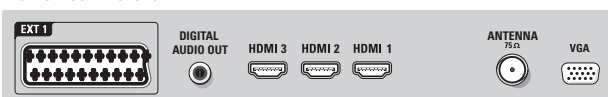
Power

- Ambient temperature: 5 °C to 35 °C
- Mains power: AC 220 - 240 V +/- 10%
- Standby power consumption: < 0.15 W
- Power Saving Features: Light sensor, Eco mode, Picture mute (for radio), Auto switch-off timer, Eco settings menu

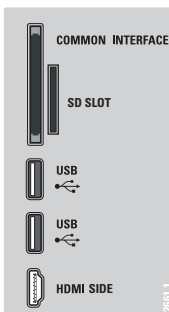
BACK CONNECTORS



BOTTOM CONNECTORS



SIDE CONNECTORS



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* 200Hz Clear LCD displays 200 scenes per second by combining advanced 100Hz technology with scanning backlight @ 50% duty cycle.

* 8 days EPG, service not available in all countries

* DVB-T, supported in selected countries only

* DVB-C in selected countries and for selected operators only. Most up to date information is available on the type plate of the TV.

* Net TV, service offering is dependent on country and subject to terms of use.