

Philips  
LED TV

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.

### **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

### **Be surrounded by powerful sound**

- Feel the atmosphere with 30W RMS and Incredible Surround

### **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

# PHILIPS

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

# 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 unparalleled

46PFL9705H/12

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 unprecedented level of 0.5ms, so even with the fastest action scene, you will enjoy superb motion sharpness.

## 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.

## Videostore and TV on demand

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. Free yourselves from fixed program timeslots, and watch what you like, when you like to. Never miss your favorite program again! Catch up TV offers the replay of TV series or programs. Conditions and offers vary per country or broadcaster.



# Specifications

## Ambilight

- Ambilight Features: Ambilight Spectra 3, Lounge light mode in stand-by, 'Sunset' soft switch off, Wall colour adaptive
- Ambilight Version: 3-sided
- Ambilight light system: LED wide color
- Dimming Function: Manual and via Light Sensor

## Picture/Display

- Aspect ratio: Widescreen
- Diagonal screen size (inch): 46 inch
- Diagonal screen size (metric): 117 cm
- Color cabinet: Onyx Black Brushed aluminium
- Display: LCD Full HD, 2D segmented LED backlight
- Panel resolution: 1920x1080p
- 3D: 3D Ready\*
- Brightness: 500 cd/m<sup>2</sup>
- 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\*
- Dynamic screen contrast: 10.000.000:1
- Response time (typical): 0,5 (BEW equiv) ms
- Viewing angle: 176° (H) / 176° (V)
- Peak Luminance ratio: 65 %
- Screen enhancement: Anti-Reflection coated screen
- Color processing: 2250 trillion colors 17bit RGB

## Supported Display Resolution

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

## Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- Tuner bands: Hyperband, S-Channel, UHF, VHF
- Digital TV: DVB Terrestrial\*, DVB-T MPEG4\*, DVB-C MPEG4\*, MHEG
- Video Playback: NTSC, SECAM, PAL

## Multimedia Applications

- Video Playback Formats: Codec support:., H264/ MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4, WMV9/VC1, Containers: AVI, MKV

- Music Playback Formats: MP3, WMA (v2 up to v9.2), AAC
- Picture Playback Formats: JPEG
- Net TV: Included

## 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, Mozaic channel grid, One-stop experience button, One-stop Home button
- Screen Format Adjustments: Autofill (no black bars), Autozoom (original format), (includes 4:3, 14:9, 21:9), Super Zoom, Movie expand 16:9, Widescreen, unscald (1080p dot by dot)
- Multimedia: DLNA media Browser, Net TV services, USB media browser, Wi-Fi MediaConnect\*
- Electronic Program Guide: Now + Next EPG, 8day Electronic Program Guide\*
- Teletext: 1200 page Hypertext
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade

## 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

## Connectivity

- 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
- Front / Side connections: 2x USB, Common Interface Slot (CI-CI+), SD-card (Videostore)
- Ext 1 Scart: Audio L/R, CVBS in, RGB
- HDMI 1: HDMI v1.4 (Audio Return Ch.)
- Ext 2 Scart: Audio L/R, CVBS in, RGB
- HDMI 2: HDMI v1.3
- Other connections: Headphone out, S/PDIF out (coaxial), built in WiFi 802.11b/g/n-spec, Ethernet-

- LAN RJ-45, 3D TV connector
- HDMI 3: HDMI v1.3
- PC network link: DLNA 1.5 certified
- Ext 3: YPbPr, Audio L/R in
- Summary: 4x HDMI, 1x USB, 2x SCART, 1x Ethernet, Integrated Wi-Fi
- VGA-in: PC input, D-sub 15
- HDMI Side: HDMI v1.3

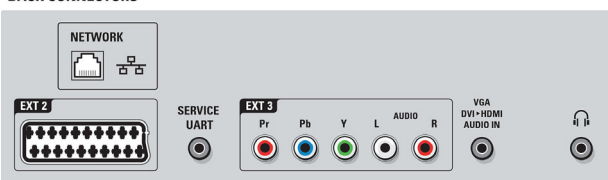
## Power

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

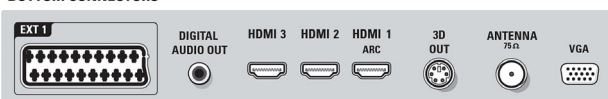
## Dimensions

- Set Width: 1088 mm
- Set Height: 671 mm
- Set Depth: 69 mm
- Product weight: 23 kg
- Set height (with stand): 707 mm
- Set depth (with stand): 260 mm
- Product weight (+stand): 25 kg
- Box width: 1231 mm
- Box height: 1040 mm
- Box depth: 338 mm
- Stand width: 500 mm
- Wall mount compatible: 300 x 300 mm

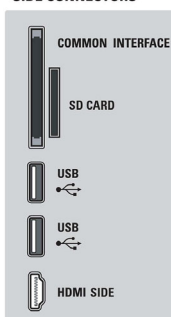
### BACK CONNECTORS



### BOTTOM CONNECTORS



### SIDE CONNECTORS



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

\* 400Hz Clear LCD displays 400 scenes per second by combining advanced 200Hz technology with scanning backlight @ 50% duty cycle.

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

\* Net TV: Visit [www.philips.com/smarttv](http://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 subscription 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.