

Philips
LCD TV

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

46PFL9704H



Brings movies to life

With Ambilight and LED Pro

Be captivated by the immersive power of Ambilight. Featuring the stunning Perfect Pixel HD engine, LED Pro backlighting and powerful sound, movies really come to life in your living room.

Built-in Internet TV

- Philips Net TV with Wi-Fi for online services on your TV
- Enjoy a rich selection of web videos from YouTube and others

Ready for digital

- MPEG4 HDTV reception via DVB-T and DVB-C tuner with CI+*

Immersive viewing experience

- Ambilight Spectra 3 for an immersive viewing experience

Perfect LCD Picture

- Perfect Pixel HD Engine for unrivalled sharpness and clarity
- Perfect Natural Motion for ultra-smooth Full HD movies
- Full HD LCD display, with a 1920 x 1080p resolution
- LED Pro for extreme contrast and brilliance
- Wide Colour Gamut LCD display for brilliant colours
- 200 Hz Clear LCD*, 1 ms performance: superb motion sharpness
- Dynamic contrast 5,000,000:1 for ultimate brilliant images

PHILIPS

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

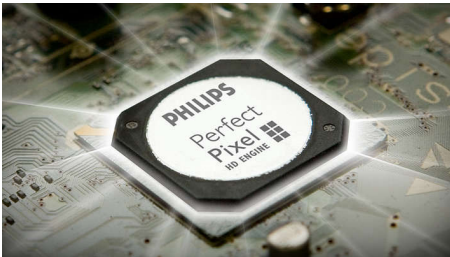
Highlights

Ambilight Spectra 3



Add a new dimension to your viewing experience with Ambilight Spectra 3. This patented Philips technology enlarges the screen further by projecting a glow of light from the back of the screen onto the surrounding wall. Ambilight automatically adjusts the colour and brightness of the light surrounding the TV to match 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, resulting in a more natural picture. The result is a unique combination of sharpness, natural detail, vivid colours, superior contrast and smooth natural motion whatever you are watching. Clean and razor-sharp images result from artefact and noise detection and reduction in all content sources - from multimedia to standard TV.

Full HD LCD display 1920 x 1080p



The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future-proof as it supports 1080p signals from all sources, including the most recent sources such as Blu-ray and advanced HD game consoles. The signal processing is extensively upgraded to support this much higher signal quality and resolution. It produces brilliant flicker-free progressive scan pictures with superb brightness and colours.

Philips 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 home theatre directly to your home network through the Ethernet connection, and navigate and select what you want to watch with the 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 remote control.

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LED Pro



Enjoy breathtaking pictures and use up to 50% less energy with Philips' award-winning LED Pro! Over 1000 LEDs 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 colour. With LED Pro black is black and white is bright.

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!

200 Hz Clear LCD* (1 ms)

Enjoy extreme motion sharpness. The Philips 200 Hz Clear LCD brings the response time of LCD TV to an incredible 1ms, so even with the fastest car chase scene you will be enthralled by the action, and not following a stretched car across the screen.

Specifications

Ambilight

- Ambilight Features: Ambilight Spectra 3, Lounge light mode
- Ambilight light system: LED-wide colour
- Dimming Function: Manual and via Light Sensor

Picture/Display

- Aspect ratio: Widescreen
- Diagonal screen size (inch): 46 inch
- Diagonal screen size (metric): 117 cm
- Colour cabinet: Brushed aluminium decofront
- Panel resolution: 1920 x 1080p
- Brightness: 500 cd/m²
- Picture enhancement: Perfect Pixel HD Engine, Perfect Natural Motion, Perfect Contrast, Perfect Colours, Wide colour gamut display, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control

- + Light sensor, Jagged Line Suppression, Progressive scan, 1080p 24/25/30 Hz processing, 1080p 50/60 Hz processing, 200 Hz Clear LCD*, Scanning backlight, Local dimming LED backlight, Segmented LED backlight
- Display screen type: LCD Full HD W-UXGA Act. matrix
- Dynamic screen contrast: 5,000,000:1
- Response time (typical): 1 (BEW equiv.) ms
- Viewing angle: 176° (H)/176° (V)
- Screen enhancement: Anti-Reflection coated screen
- Colour processing: 2250 trillion colours 17bit RGB

Supported Display Resolution

- Computer formats: 640 x 480, 60 Hz, 800 x 600, 60 Hz, 1024 x 768, 60 Hz, 1280 x 768, 60 Hz, 1360

- x 768, 60 Hz, 1920 x 1080, 60 Hz
- Video formats: 480i, 60 Hz, 480p, 60 Hz, 576i, 50 Hz, 576p, 50 Hz, 720p, 50, 60 Hz, 1080i, 50, 60 Hz, 1080p, 24, 50, 60 Hz, 1080p, 24, 25, 30 Hz

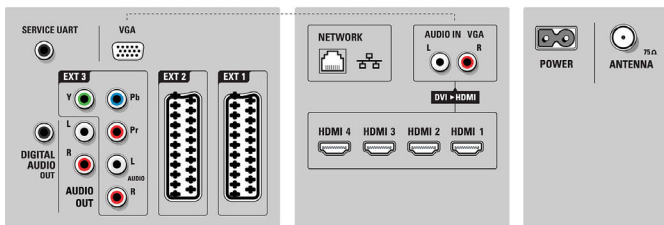
Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- Tuner bands: Hyperband, S-Channel, UHF, VHF
- TV system: DVB COFDM 2K/8K
- Digital TV: DVB Terrestrial*, DVB-T MPEG4*, DVB-C MPEG4*, MHEG
- Video Playback: NTSC, SECAM, PAL

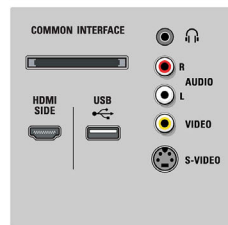
Multimedia Applications

- Multimedia connections: Ethernet-UTP5, USB, Wi-Fi 802.11g (built in)
- Playback Formats: MP3, WMA v2 up to v9.2,

Rear connectors



Side



Specifications

Slideshow files (.alb), JPEG Still pictures, MPEG1, MPEG2, MPEG4, AVI, H.264/MPEG-4 AVC, MPEG-Programme-stream PAL, WMV9/VC1

Convenience

- Child Protection: Child Lock+Parental Control
- Ease of Installation: Auto Programme Naming, Automatic Channel Install (ACI), Automatic Tuning System (ATS), Autostore, Fine Tuning, PLL Digital Tuning, Plug and Play
- Ease of Use: Auto Volume Leveller (AVL), Delta Volume per preset, Graphical User Interface, On-Screen Display, Programme List, Settings assistant Wizard, Side Control, Connectivity assistant, Automatic setup wizard, Demo mode, On-screen User manual, Touch control buttons, Favourite programme selection, Iconic home screen, Mozaic channel grid
- Connection Enhancement: Easy link
- Screen Format Adjustments: Auto Format, Movie expand 16:9, Super Zoom, Widescreen, unscaled (1080p dot by dot)
- Multimedia: Digital media reader (browser), USB autobreak-in, DLNA media Browser, Net TV services
- Electronic Programme Guide: Now + Next EPG, 8-day Electronic Programme Guide*
- Remote Control: DVD, DVD-R, Sat, STB (Set-Top Box), Universal, HTS (Home Theatre System)
- Remote control type: RC4496
- Teletext: 1200-page Hypertext
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB
- Picture in Picture: Text dual screen
- Smart mode: Game, Cinema, Personal, Power saver, Standard, Vivid

Sound

- Output power (RMS): 2 x 15 W
- Sound System: BBE
- Sound Enhancement: Auto Volume Leveller, Digital Signal Processing, Dynamic Bass Enhancement, Treble and Bass Control

Loudspeakers

- Built-in speakers: 4
- Loudspeaker types: 2 integrated subwoofers, 2 x Dome tweeter

Connectivity

- EasyLink (HDMI-CEC): One touch play, EasyLink, Pixel link, Remote control pass-through, System audio control, System standby
- Front/Side connections: HDMI v1.3, S-video in, CVBS in, Audio L/R in, Headphones Out, USB
- Ext 1 Scart: Audio L/R, CVBS in, RGB
- HDMI 1: HDMI v1.3
- Ext 2 Scart: Audio L/R, CVBS in, RGB
- HDMI 2: HDMI v1.3
- Other connections: Common Interface Plus (CI+), Analogue audio Left/Right out, S/PDIF out (coaxial), Common Interface
- HDMI 3: HDMI v1.3
- PC network link: DLNA 1.0 certified
- Ext 3: YPbPr, Audio L/R in, VGA PC-in
- HDMI 4: HDMI v1.3

Power

- Mains power: AC 220-240 V +/- 10%
- Ambient temperature: 5°C to 35°C
- Standby power consumption: < 0.15 W
- Power consumption (typical): 104 W

Accessories

- Included accessories: Tabletop swivel stand, RF antenna cable, Power cord, Quick start guide, Warranty certificate, Remote Control, Batteries for remote control, Legal and safety brochure, Net TV brochure
- Optional accessories: Smart level wallmount SQM6175, DVB-S module PFS0001*

Dimensions

- Set Width: 1123 mm
- Set Height: 701 mm
- Set Depth: 89 mm
- Product weight: 25.4 kg
- Set height (with stand): 767 mm
- Set depth (with stand): 280 mm
- Product weight (+stand): 29 kg
- Box width: 1231 mm
- Box height: 1040 mm
- Box depth: 338 mm
- Stand width: 500 mm
- Wall-mount compatible: 400 x 400 mm



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* 200 Hz Clear LCD displays 200 scenes per second by combining advanced 100 Hz 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.

* Optional Philips DVB-S module required (part no. PFS0001, only available in Germany, Austria and Switzerland)