

Philips
LED TV

117 cm (46")
Full HD 1080p

46PFL8605



Be part of the action!

with Ambilight in an ultra-thin design

Like a painting on your wall, experience the latest in ultra thin TV from Philips. Combining powerful LED picture performance and the immersion of Ambilight, be assured you are always part of the action.

HD TV in stunning detail

- Full HD TV with Pixel Precise HD for details in action
- Brilliant LED images with low power consumption
- 100Hz LCD, 2ms performance for superb motion sharpness
- HD Natural Motion for ultra smooth motion in Full HD movies

Greener every day

- LED TVs up to 40% more energy efficient than normal LCD TVs

In-built internet TV

- DLNA PC Network link to browse PC and Home network content

Impressive, invisible sound

- Feel the power of 20W RMS and Incredible Surround
- Hear every word with Clear Sound

Enlarge your viewing experience

- Ambilight Spectra 2 widens the viewing experience

PHILIPS

Highlights

Ambilight Spectra 2



Add a new dimension to your viewing experience with Ambilight Spectra 2. This patented Philips technology enlarges the screen by projecting a glow of light, on the 2 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. With Ambilight Spectra 2 movies truly come to life!

Pixel Precise HD

Pixel Precise HD builds on the award winning Pixel Plus foundation. It brings the high definition picture quality to the next level with 4 trillion colours. With Super Resolution, Pixel Precise HD now brings you the best HD TV picture quality whether you are watching a video from the internet or good quality Blu-ray movies.

LED



The most advanced LED lighting technology in this TV combines an eye-catching minimalistic design with stunning image quality as well as

the lowest power consumption in its category. On top of that, LED lighting technology does not contain any hazardous materials. Thus, with LED backlight you can enjoy low power consumption, high brightness, incredible contrast, sharpness and vibrant colors.

100Hz LCD, 2ms response time

100Hz LCD creates extreme motion sharpness. The Double Frame Rate Insertion increases the sharpness of motion reproduction to more than twice that of conventional LCD, resulting in a performance with a response time of 2 milliseconds. Now you can enjoy clear images even with fast on-screen motion.

HD Natural Motion



Philips invented HD Natural Motion to minimize juddering effects that are visible with movie based picture content. The award winning algorithm estimates motion in the picture and corrects juddering movements in both broadcast and recorded movie material (such as DVD and Blu-ray Disc). The resulting smooth motion reproduction and excellent sharpness take the viewing experience to a higher level.

20W RMS Incredible Surround

Feel the power of the music beat and the atmosphere of the movies. The powerful 20W RMS (2x10W RMS) amplifiers create a lifelike sound stage. Incredible Surround allows you to experience total surround with greater depth and width of sound complementary to the rich viewing experience.

DLNA PC Network link



The DLNA PC-Network link provides easy access to videos, photos and music content on your PC or Home Network using your TV remote control. By connecting your TV to your home network, you will be able to access content from all DLNA certified devices seamlessly. Browse your PC collection of multimedia from your TV at a push of a button.

Energy efficient LED

Using the latest LED backlight technology, LED-backlit TVs are a more sustainable choice, with a longer life and far lower energy consumption than plasmas and conventional LCD TVs. Unlike CCFL backlights, LEDs do not use mercury in their manufacture. In addition, Philips TV designs have constantly improved, resulting in higher material efficiency and reduced energy usage without compromising on safety and well-being.

Clear Sound



Clear Sound is an innovative audio technology that significantly increases the comprehensibility of the voice, whether spoken or sung. It ensures you hear every word, so you can enjoy what you're watching to the fullest.

Specifications

Ambilight

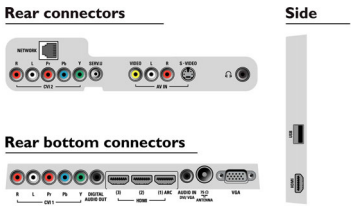
- Ambilight Features: Ambilight Spectra 2, Lounge light mode, Wall colour adaptive
- Ambilight Version: 2-sided
- Ambilight light system: LED wide color
- Dimming Function: Manual and via Light Sensor

Picture/Display

- Aspect ratio: Widescreen

- Diagonal screen size (inch): 46 inch
- Diagonal screen size (metric): 117 cm
- Color cabinet: Mid Silver Brush Aluminium with Black Cabinet
- Display: LCD Full HD, edge LED backlight
- Panel resolution: 1920x1080p
- Brightness: 450 cd/m²
- Picture enhancement: Pixel precise HD, Active Control + Light sensor, 100Hz Clear LCD, Digital

- Noise Reduction, Dynamic contrast enhancement, Luminance Transient Improver, MPEG artifact reduction, HD Natural Motion, Super Resolution, Color booster
- Dynamic screen contrast: 500,000:1
- Response time (typical): 2 ms
- Viewing angle: 176° (H) / 176° (V)
- Screen enhancement: Anti-Reflection coated



Specifications

- screen
- Color processing: 4 trillion colors (14bit RGB)

Supported Display Resolution

- Computer formats: 640 x 480, 60Hz, 800 x 600, 60Hz, 1024 x 768, 60Hz, 1280 x 1024, 60Hz, 1360 x 768, 60Hz, 1600 x 1200, 60Hz, 1920 x 1080, 60Hz
- Video formats: 480i, 60Hz, 480p, 60Hz, 576i, 50Hz, 576p, 50Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 24, 25, 30, 50, 60Hz

Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- Tuner bands: Hyperband, S-Channel, UHF, VHF
- TV system: PAL B/G, PAL D/K
- Video Playback: NTSC, 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

Convenience

- Child Protection: Child Lock+Parental Control
- Ease of Installation: Channel installation wizard, Settings assistant wizard, Device connection wizard, Auto detect Philips devices, Auto Program Naming, Autoinstall, Program Name, Sorting
- Ease of Use: Smart Picture, Smart Sound, EasyLink, Favorite program selection, Mozaic channel grid, One-stop experience button, One-stop Home button
- Clock: Sleep Timer
- Screen Format Adjustments: Auto Format, Super Zoom, Movie expand 16:9, Widescreen, unscaled (1080p dot by dot)
- Multimedia: DLNA media Browser, USB media browser
- Electronic Program Guide: Now + Next EPG, 8day Electronic Program Guide*
- Signal strength indication
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB

Sound

- Output power (RMS): 20W (2x10W)

- Sound System: Mono, Nicam Stereo, Stereo
- Sound Enhancement: Auto Volume Leveler, Dynamic Bass Enhancement, Incredible Surround, Treble and Bass Control, Clear Sound

Connectivity

- AV 1: Audio L/R in, YPbPr
- AV 2: Audio L/R in, YPbPr
- Audio Output - Digital: Coaxial (cinch)
- AV 3: Audio L/R in, CVBS in, S-Video in
- EasyLink (HDMI-CEC): One touch play, Pixel Plus link (Philips), Remote control pass-through, System audio control, System standby
- Front / Side connections: USB
- HDMI 1: HDMI v1.4 (Audio Return Ch.)
- HDMI 2: HDMI v1.3
- Other connections: Headphone out, PC Audio in, Ethernet-LAN RJ-45
- HDMI 3: HDMI v1.3
- PC network link: DLNA 1.5 certified
- VGA-in: PC input, D-sub 15
- HDMI Side: HDMI v1.3

Power

- Mains power: 220 - 240V, 50/60Hz
- Ambient temperature: 5 °C to 35 °C
- Standby power consumption: < 0.15 W
- Power consumption (typical): 108 W
- Power Saving Features: 0 Watt Power-off switch, Light sensor, Eco mode, Auto switch-off timer

Accessories

- Included accessories: Tabletop swivel stand, Quick start guide, User Manual, Warranty certificate, Remote Control, 2 x AAA Batteries, Software declaration

Dimensions

- Set Width: 1103 mm
- Set Height: 669 mm
- Set Depth: 42.4 mm
- Product weight: 16.5 kg
- Set width (with stand): 1103 mm
- Set height (with stand): 716 mm
- Set depth (with stand): 265 mm
- Product weight (+stand): 20 kg
- Box width: 1334 mm
- Box height: 783 mm
- Box depth: 198 mm
- Compatible wall mount: 300 x 300mm
- Weight incl. Packaging: 24.9 kg



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* 8 days EPG, service not available in all countries