

Philips
LCD TV with Ambilight
Spectra 2 and Pixel Precise
HD

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

46PFL7655H



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.

Enlarge your viewing experience

- Ambilight Spectra 2 widens the viewing experience

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
- Perfect Natural Motion for ultra smooth Full HD movies

Impressive, invisible sound

- Feel the power of 24W RMS and Incredible Surround

In-built internet TV

- Philips Net TV for popular online services on your TV
- DLNA PC Network link to browse PC and Home network content

Greener every day

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



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PHILIPS

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

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.

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!

24W RMS Incredible Surround

Feel the power of the music's beat and the real atmosphere of the movies. The powerful 24W RMS (2x12W 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.

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

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addition, Philips TV designs have constantly improved, resulting in higher material efficiency and reduced energy usage without compromising on safety and well-being.

Philips Net TV



Experience a rich selection of online services with Philips Net TV. Enjoy movies, pictures, infotainment and other internet directly on your TV whenever you like. Simply connect 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.



Philips Green Logo

Philips Green Products can reduce costs, energy consumption and CO2 emissions. How? They offer a significant environmental improvement in one or more of the Philips Green Focal Areas – Energy efficiency, Packaging, Hazardous substances, Weight, Recycling and disposal and Lifetime reliability.



Specifications

Picture/Display

- Aspect ratio: Widescreen
- Brightness: 450 cd/m²
- Dynamic screen contrast: 500,000 : 1
- Response time (typical): 2 ms
- Viewing angle: 176° (H) / 176° (V)
- Diagonal screen size: 46 inch / 117 cm
- Display: LCD Full HD, edge LED backlight
- Panel resolution: 1920x1080p
- Picture enhancement: Pixel precise HD, Perfect Natural Motion, Active Control + Light sensor, 100Hz Clear LCD, Digital Noise Reduction, Dynamic contrast enhancement, Luminance Transient Improver, MPEG artifact reduction, Super Resolution, Color booster
- Screen enhancement: Anti-Reflection coated screen
- Peak Luminance ratio: 65 %
- Color processing: 4 trillion colors (14bit RGB)
- Color cabinet: Black Brush Aluminium

Ambilight

- Ambilight Version: 2-sided
- Ambilight Features: Ambilight Spectra 2, Lounge light mode
- 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): 24W (2 x 12W)
- Sound Enhancement: Auto Volume Leveler, Dynamic Bass Enhancement, Incredible Surround, Treble and Bass Control, Clear Sound
- Sound System: Mono, Nicam Stereo, Stereo

Convenience

- Child Protection: Child Lock+Parental Control
- Clock: Sleep Timer
- Ease of Installation: Channel installation wizard, Network 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,

- Onscreen Usermanual, EasyLink, 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: Auto Format, 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

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

Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: DVB COFDM 2K/8K
- Video Playback: NTSC, SECAM, PAL
- Digital TV: DVB Terrestrial *, DVB-T MPEG4*, DVB-C MPEG4*
- 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: USB, Common Interface Slot (CI-CI+), SD-card (Videostore)
- Other connections: Headphone out, PC Audio in, Ethernet-LAN RJ-45
- EasyLink (HDMI-CEC): One touch play, EasyLink, Pixel Plus link (Philips), Remote control pass-through, System audio control, System standby
- Audio Output - Digital: Coaxial (cinch)
- PC network link: DLNA 1.5 certified

Power

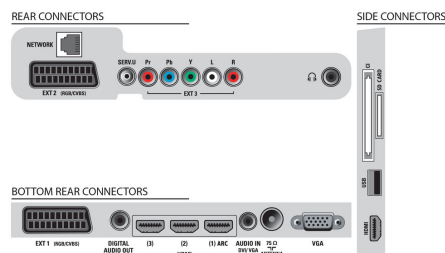
- Ambient temperature: 5 °C to 40 °C
- Mains power: 220 - 240V, 50/60Hz
- Power consumption (typical): 108 W
- Standby power consumption: < 0.15 W
- Off mode power consumption: < 0.01
- Annual energy consumption: 157.68 kWh
- Presence of lead: Yes*
- Power Saving Features: 0 Watt Power-off switch, Light sensor, Eco mode, Picture mute (for radio), Auto switch-off timer

Dimensions

- Compatible wall mount: 300 x 300mm
- Set dimensions (W x H x D): 1103 x 669 x 42.4 mm
- Set dimensions with stand (W x H x D): 1103 x 716 x 265 mm
- Weight incl. Packaging: 24.9 kg
- Product weight: 16.4 kg
- Product weight (+stand): 20 kg
- Box dimensions (W x H x D): 1332 x 895 x 206 mm

Accessories

- Included accessories: Tabletop swivel stand, Quick start guide, Registration card, Warranty Leaflet, Remote Control, 2 x AAA Batteries, Safety/legal instructions, Software declaration
- Optional accessories: Wireless USB adaptor (PTA01)



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* 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 subscription are required. Contact your operator for more information.

* 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.