Entertainment comes to life

with brilliant LED picture performance

Live the moment as if you were there with Pixel Plus HD and an impressive invisible sound.

Enlarge your viewing experience
• Ambilight Spectra 2 widens the viewing experience

High definition giving you brilliant detail
• Full HD TV with Pixel Plus HD for better details and clarity
• 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

Rich and clear sound.
• 2.1 system 40 W surround sound (2 x 10 W RMS, virtual 20 W)*

Complete digital connectivity made simple
• Seamless connectivity with 3 HDMI inputs and Easylink
• Integrated MPEG-4 tuner for HD reception without set top box

Greener every day
• LED TVs up to 40% more energy efficient than normal LCD TVs

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PHILIPS

Highlights

Pixel Plus HD
Pixel Plus HD offers the unique combination of ultimate sharpness, natural detail, vivid colors, and smooth natural motion. Artifacts and noise in any sources from multimedia to standard definition TV and also in highly compressed HD are detected and reduced, ensuring that the picture is clear and razor-sharp.

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.

2.1 sound system 40 W*

Virtual 2.1 speaker system for an incredible 40W sound (2x10W + 20W Virtual Power*). *This virtual 2.1 speaker system manages power intelligently to deliver twice the original power supplied and produces an excellent bass. Enjoy the purity and detailed sound with the additional dome tweeter which delivers uncompromised sound in a slim invisible speaker design.

Integrated DVB tuner MPEG-4
The integrated digital tuner lets you receive digital cable and terrestrial TV without an additional set top box. Enjoy quality TV clutter free.

3 HDMI inputs with Easylink

HDMI is a single cable to carry both picture and audio signals from your devices to your TV, avoiding cable clutter. It carries uncompressed signals, ensuring the highest quality from source to screen. Together with Philips Easylink, you need only one remote control to perform most operations on your TV, DVD, BluRay, set top box or home theatre system.

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.

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

46PFL5805H/12

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, direct LED backlight
- Panel resolution: 1920x1080p
- Picture enhancement: Pixel Plus HD, Active Control + Light sensor, Color Enhancement, 100Hz Clear LCD, Digital Noise Reduction, Dynamic contrast enhancement, Luminance Transient Improver, MPEG artifact reduction, 2D/3D noise reduction, 1080p 24/25/30Hz processing, 1080p 50/60Hz processing, HD Natural Motion, LED backlight Display
- Screen enhancement: Anti-Reflection coated screen
- Peak Luminance ratio: 65 %

Ambilight
- Ambilight Version: 2-sided
- Ambilight Features: Ambilight Spectra 2, Lounge light mode, Wall colour adaptive
- 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): 20W
- Sound Enhancement: Auto Volume Leveler, Incredible Surround, Treble and Bass Control, Clear Sound
- Sound System: Mono, Nicam Stereo, Stereo

Convenience
- Child Protection: Child Lock+Parental Control
- Clock: Sleep Timer
- Connection Enhancement: Easy link
- 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, Onscreen Usermanual, EasyLink, Favorite program selection, Mozaïc channel grid, One-stop experience button, One-stop Home button
- Electronic Program Guide: Now + Next EPG*
- 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
- Multimedia: USB autobreak-in, USB media browser

Multimedia Applications
- Multimedia connections: USB memory class device
- Picture Playback Formats: JPEG
- Music Playback Formats: MP3
- Video Playback Formats: Codec support:, H264/MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4

Tuner/Reception/Transmission
- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: PAL I, PAL B/G, PAL D/K, SECAM B/G, SECAM D/K, SECAM L/L', 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: YPbPr in, Audio L/R in
- VGA-in: PC input, D-sub 15
- HDMI 1: HDMI v1.4 (Audio Return Ch.)
- HDMI 2: HDMI v1.3
- Front / Side connections: HDMI v1.3, USB
- Other connections: Headphone out, Common Interface Plus (CI+)
- 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)

Power
- Ambient temperature: 5 °C to 35 °C
- Mains power: 220-240V~; 50-60Hz
- Power consumption (typical): 109 W
- Standby power consumption: < 0.15 W
- Off mode power consumption: < 0.01
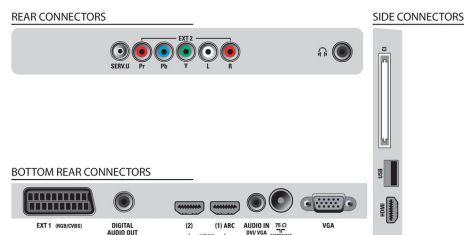- Annual energy consumption: 159.14 kW·h

- Presence of lead: Yes*
- Power Saving Features: 0 Watt Power-off switch, Light sensor, Eco mode

Dimensions
- Set dimensions (W x H x D): 1122 x 685 x 87 mm
- Set dimensions with stand (W x H x D): 1122 x 731 x 268 mm
- Weight incl. Packaging: 26.4 kg
- Product weight: 17.9 kg
- Product weight (+stand): 21.3 kg
- Box dimensions (W x H x D): 1349 x 773 x 198 mm
- VESA wall mount compatible: 300 x 300 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

REAR CONNECTORS

SIDE CONNECTORS

EXT 2
SERV.U Pr Pb Y L R

BOTTOM REAR CONNECTORS

EXT 1 (RGB/CVBS) DIGITAL AUDIO OUT (2) ⎯ HDMI ⎯ (1) ARC AUDIO IN DVI/VGA 75 Ω ANTENNA VGA

USB HDMI

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