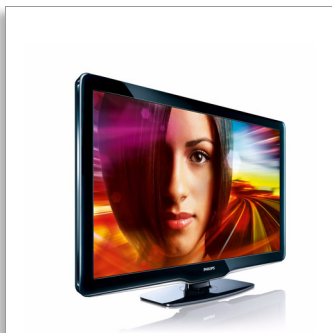




Philips 5000 series  
LCD TV with Pixel Plus  
HD

**107cm (42")**

Full HD 1080p digital TV



**42PFL5405H**

## Entertainment comes to life

With true to life FHD picture performance

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

### High definition giving you brilliant detail

- Full HD TV with Pixel Plus HD for better details and clarity
- 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)\*
- Hear every word with Clear Sound

### Complete digital connectivity made simple

- Seamless connectivity with 3 HDMI inputs and Easylink
- USB for fantastic multimedia playback
- PC-input allows you to use your TV as a PC monitor
- Integrated MPEG-4 tuner for HD reception without set top box

### Greener every day

- 0W Power Consumption when switch off



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# PHILIPS

sense and simplicity

# 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.

## 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.

## USB (multimedia)



The USB connector allows access to jpeg photos, mp3 music and video files of most USB-sticks (USB memory-class device). Plug the USB into the slot at the side of the TV and access the multimedia content using the easy on screen content browser. You can now view and share your videos, photos and music.

## PC input (VGA)

With PC input you can connect your TV to a computer by a VGA cable and use the TV as a PC monitor.

## 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.

## 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.



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## 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: 500 cd/m<sup>2</sup>
- Dynamic screen contrast: 100,000:1
- Response time (typical): 2 ms
- Viewing angle: 178° (H) / 178° (V)
- Diagonal screen size: 42 inch / 107 cm
- Display screen type: LCD Full HD W-UXGA Act. matrix
- Panel resolution: 1920x1080p
- Picture enhancement: Pixel Plus HD, Active Control + Light sensor, Color Enhancement, 100Hz Clear LCD, Color Transient Improvement, Contrast Plus, Digital Noise Reduction, Dynamic contrast enhancement, Jagged Line Suppression, Luminance Transient Improver, Progressive scan, 2D/3D noise reduction, 1080p 24/25/30Hz processing, 1080p 50/60Hz processing
- Screen enhancement: Anti-Reflection coated screen
- Peak Luminance ratio: 65 %
- Color cabinet: High gloss black deco front black cabinet

## Supported Display Resolution

### Computer formats

Resolution	Refresh rate
640 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz
1280 x 768	60Hz
1280 x 1024	60Hz
1360 x 768	60Hz
1920 x 1080	60Hz

### Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
720p	50, 60Hz
1080i	50, 60Hz
1080p	24, 25, 30, 50, 60Hz

## Sound

- Output power (RMS): 40W virtual, Invisible Sound
- Sound Enhancement: Auto Volume Leveller, Dynamic Bass Enhancement, Incredible Surround,

- Treble and Bass Control, Clear Sound
- Sound System: Dolby Digital (AC-3), Nicam Stereo

## Convenience

- Child Protection: Child Lock+Parental Control
- Ease of Installation: Channel installation wizard, Settings assistant wizard, Device connection wizard, Auto Program Naming, Automatic Channel Install(ACI), Automatic Tuning System (ATS), Fine Tuning, PLL Digital Tuning
- Ease of Use: Auto Volume Leveller (AVL), Graphical User Interface, On Screen Display, Program List, Settings assistant Wizard, Side Control, Demo mode, Onscreen Usermanual, EasyLink, Favorite program selection, Mozaic channel grid, Simplified Remote Control
- Electronic Program Guide: Now + Next EPG, 8day Electronic Program Guide\*
- Remote Control: TV
- Remote control type: PF01E10BB
- Automatic Screen Format: Autofill (no black bars), Autozoom (no distortion), Dynamic black bar detection, includes:, 16:9, Widescreen, Superzoom, WSS / AFD format bit detection, Viewport link, Logo suppression, Dynamic subtitle shift, Format selection per input, PC signal mode
- Teletext: 1000 page Smart Text
- Firmware upgradeable: Firmware upgradeable via USB
- Multimedia: USB autobreak-in
- Smart mode: Personal, Vivid, Cinema, Game, Energy saving, Standard

## Multimedia Applications

- Multimedia connections: USB
- 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: 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

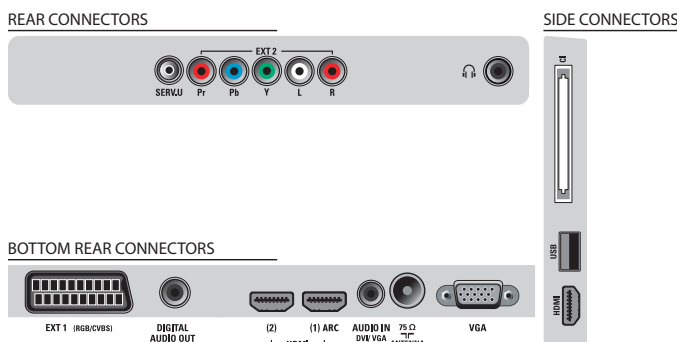
- Ext 1 Scart: Audio L/R, CVBS in, RGB
- Number of Scarts: 1
- Ext 3: YPbPr, Audio L/R in
- HDMI 1: HDMI v1.4 (Audio Return Ch.)
- HDMI 2: HDMI v1.3
- HDMI Side: HDMI v1.3
- Front / Side connections: HDMI v1.3, USB, Common Interface Slot (CI-CI+)
- Other connections: Headphone out, PC Audio in, PC-In VGA, S/PDIF out (coaxial), Common Interface
- 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)
- Summary: 3x HDMI, 1x USB, 1x SCART

## Power

- Green label: ECO label certified
- Ambient temperature: 5 °C to 35 °C
- Mains power: 220-240V, 50-60Hz
- Power consumption (typical): 98.2 W
- Standby power consumption: 0.15 W
- Annual energy consumption: 143.372 kW h
- Presence of lead: Yes\*
- Mercury content: 72 mg

## Dimensions

- Compatible wall mount: adjustable 200 x 300mm
- Set dimensions (W x H x D): 1034 x 644 x 83 mm
- Set dimensions with stand (W x H x D): 1034 x 692 x 270 mm
- Weight incl. Packaging: 16.44 kg
- Product weight: 11.38 kg
- Product weight (+stand): 13.38 kg
- Box dimensions (W x H x D): 1210 x 703 x 158 mm



Issue date 2012-10-10

Version: 13.7.7

12 NC: 8670 000 58521  
EAN: 87 12581 52110 3

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- \* 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.
- \* 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.