



Philips
Flat TV with Perfect Pixel
HD Engine and Ambilight
Spectra 2

42"

LCD DVB-T/C MPEG4*



42PFL9803H

Excite your senses

Immerse yourself in a captivating Viewing Experience. Featuring LED Lux Display, MPEG4 HDTV* and the Perfect Pixel HD Engine, the TV combines Perfect Motion, Perfect Colors and Perfect Contrast with Ambilight Spectra 2

Elevate your viewing experience

- Ambilight Spectra 2 enhances the viewing experience

Breathtaking perfect pictures

- Perfect Pixel HD Engine for unrivalled sharpness and clarity
- LED Lux Display for extreme contrast and brilliance
- Dynamic contrast 2.000.000:1 for ultimate brilliant images
- HD ready 1080p for highest quality display of Full HD images
- Perfect Natural Motion for ultra smooth Full HD movies
- Wide Color Gamut LCD display for brilliant colors
- 100Hz Clear LCD, 2ms performance for superb motion sharpness
- 2250 trillion colors processing

Easy to connect and enjoy

- 4 HDMI inputs (3+1) + HDMI CEC

Ready for digital

- MPEG4 HDTV reception via DVB-T and DVB-Cable tuner*

PHILIPS

sense and simplicity

Product highlights

Perfect Pixel HD Engine



Perfect Pixel HD Engine offers the unique combination of ultimate sharpness, natural detail, vivid colors and smooth natural motion on all qualities of HD, standard TV signals and multimedia content, for high definition displays. Each pixel of the incoming picture is enhanced to better match the surrounding pixels, resulting in a more natural picture. Artifacts and noise in all sources from multimedia to standard TV and also in highly compressed HD content are detected and reduced ensuring that the picture is clean and razor sharp.

LED Lux Display

The LED Lux Display renders the highest available contrast with stunning brilliance and

colors. The revolutionary new LED lights are used in a grid as backlight for the LCD display. Over a thousand LED's are operated selectively. They generate brilliant light in bright image areas, and are dimmed to lowest levels in dark areas and scenes. It creates an image with deepest black alongside maximum light output and color in bright areas. The result is a stunning picture with extreme contrast, sharpness and vibrant color.

Full HD LCD display 1920x1080p

Enjoy the exceptional picture quality of Full High Definition TV signals of HD sources like HDTV broadcast, or Blu-ray DVD. HD ready 1080p is a protected label that offers picture quality far beyond that of ordinary HD Ready. It conforms to strict standards laid out by EICTA to offer a Full HD screen that displays the benefits of resolution and picture quality of a Full HD 1920x1080p High Definition TV signal. It has a universal connection for both analog YPbPr and uncompressed Digital connection of DVI or HDMI, supporting HDCP. It can display 1080p progressive signals at 24, 50 and 60Hz.

Perfect Natural Motion

Philips invented Perfect Natural Motion to eliminate juddering effects that are visible with movie based picture content. Perfect Natural Motion estimates motion in the picture and corrects juddering movements in both broadcast and recorded movie material (such as DVD and Blu-ray Disc). Perfect Natural Motion results in even smoother and quieter pictures with excellent sharpness. Perfect Natural Motion removes judder from SD and HD pictures, including 1080p movies and 24p True Cinema, for a motion performance that surpasses the cinema!

100Hz Clear LCD (2ms)

100Hz Clear LCD creates extreme motion sharpness for clear and vibrant images even with fast on-screen motion. The Double Frame Rate Insertion works with a high 100Hz refresh rate. It 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 (measured in Perceived Blur-Edge-Width; BEW). This unique Philips technology brings motion sharpness of LCD displays to an unprecedented level.



Specifications

Picture/Display

- **Aspect ratio:** Widescreen
- **Brightness:** 500 cd/m²
- **Dynamic screen contrast:** 2.000.000:1
- **Response time (typical):** 2 (BEV equiv.) ms
- **Viewing angle:** 176° (H) / 176° (V)
- **Diagonal screen size:** 42 inch / 107 cm
- **Display screen type:** LCD Full HD W-UXGA Act. matrix, LED Lux Display
- **Panel resolution:** 1920x1080p
- **Picture enhancement:** Perfect Pixel HD Engine, Perfect Natural Motion, Perfect Contrast, Perfect Colors, Wide Color Gamut display, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control + Light sensor, 100Hz Clear LCD, Jagged Line Suppression, Progressive Scan, 1080p 24/25/30Hz processing, 1080p 50/60Hz processing, Local dimming LED backlight, Segmented LED backlight
- **Screen enhancement:** Anti-Reflection coated screen
- **Color processing:** 2250 trillion colors 17bit RGB

Ambilight

- **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 formats

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

Video formats

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

Sound

- **Output power (RMS):** 2x15W
- **Sound Enhancement:** Auto Volume Leveller,

Digital Signal Processing, Dynamic Bass Enhancement, Graphic Equaliser, Smart Sound

- **Sound System:** Virtual Dolby Digital, BBE

Loudspeakers

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

Convenience

- **Child Protection:** Child Lock+Parental Control
- **Ease of Installation:** Auto Program Naming, Automatic Channel Install(ACI), Automatic Tuning System (ATS), Autostore, Fine Tuning, PLL Digital Tuning, Plug & Play
- **Ease of Use:** 4 favorite lists, Auto Volume Leveller (AVL), Delta Volume per preset, Graphical User Interface, On Screen Display, Program List, Settings assistant Wizard, Side Control
- **Electronic Program Guide:** Now + Next EPG, 8 day Electronic Program Guide
- **Picture in Picture:** Text dual screen
- **Remote Control:** TV, Amp, DVD, DVD-R, Sat, STB (Set-Top Box), Universal, HTS (Home Theater System)
- **Remote control type:** RC4494
- **Screen Format Adjustments:** 4:3, Auto Format, Movie expand 14:9, Movie expand 16:9, Subtitle and Heading Shift, Super Zoom, Widescreen, unscaled (1080p dot by dot)
- **Teletext:** 1200 page Hypertext
- **Teletext enhancements:** Habit Watch, Program information Line
- **Firmware upgradeable:** Firmware auto upgrade wizard, Firmware upgradeable via USB
- **Multimedia:** Digital media reader (browser), USB autobreak-in
- **Smart mode:** Game, Movie, Personal, Energy saving, Standard, Vivid

Multimedia Applications

- **Multimedia connections:** Ethernet-UTP5, USB
- **Playback Formats:** MP3, Slideshow files (.alb), JPEG Still pictures, MPEG1, MPEG2

Tuner/Reception/Transmission

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

Connectivity

- **Ext 1 Scart:** Audio L/R, CVBS in/out, RGB
- **Ext 2 Scart:** Audio L/R, CVBS in/out, RGB
- **Ext 3:** YPbPr, Audio L/R in, VGA PC-in
- **Ext 4:** HDMI v1.3
- **Ext 5:** HDMI v1.3
- **Ext 6:** HDMI v1.3
- **HDMI-control (CEC features):** One touch play, System audio control, System standby
- **Front / Side connections:** HDMI v1.3, S-video in, CVBS in, Audio L/R in, Headphone out, USB
- **PC network link:** DLNA certified
- **Other connections:** Analog audio Left/Right out, S/PDIF out (coaxial), Common Interface

Power

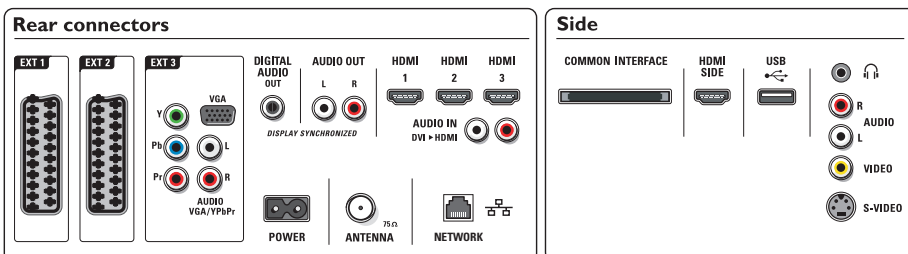
- **Ambient temperature:** 5 °C to 35 °C
- **Mains power:** AC 220 - 240 V +/- 10%
- **Power consumption:** 201 W
- **Standby power consumption:** 0.15 W

Dimensions

- **Set dimensions (W x H x D):** 1027 x 627 x 108 mm
- **Set dimensions with stand (H x D):** 698 x 265 mm
- **Weight incl. Packaging:** 40 kg
- **Product weight:** 27.6 kg
- **Product weight (+stand):** 30.8 kg
- **Box dimensions (W x H x D):** 1142 x 906 x 320 mm
- **Color cabinet:** Satin Brushed Aluminium and Precision Silver
- **VESA wall mount compatible:** 300 x 300 mm

Accessories

- **Included Accessories:** Tabletop swivel stand, RF antenna cable, Power cord, Quick start guide, User Manual, Warranty certificate, Remote Control, Batteries for remote control



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* DVB-T only available in selected countries. DVB-T MPEG4 only for: France, Spain, Denmark, Norway, Finland, Sweden. DVB-C MPEG4 only for selected providers: Denmark, Norway, Finland, Sweden. Most up to date information is available on the type plate of the TV, or via www.philips.com/support under the specific type number.