



Philips
LCD TV

107 cm (42")
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 Colours and Perfect Contrast with Ambilight Spectra 2

Easy to connect and enjoy

- 4 HDMI inputs with Easylink for a full HD connection

Ready for digital

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

Elevate your viewing experience

- Ambilight Spectra 2 enhances the viewing experience

Perfect LCD Picture

- 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 Colour Gamut LCD display for brilliant colours
- 100 Hz Clear LCD, 2 ms performance for superb motion sharpness
- 2250 trillion colours processing

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Highlights

Ambilight Spectra 2



Add a new dimension to your viewing experience with Ambilight Spectra 2. This patented Philips technology enlarges the screen further by projecting a glow of light from the back of the screen onto the surrounding wall. Ambilight automatically adjusts the colour and brightness of the light surrounding the TV to match the picture, creating an immersive viewing experience. With Ambilight Spectra 2 movies truly come to life!

Perfect Pixel HD Engine



Experience unrivalled sharpness and clarity with Perfect Pixel HD Engine. Each pixel of the picture is enhanced to better match the surrounding pixels, resulting in a more natural picture. The result is a unique combination of sharpness, natural detail, vivid colours, superior contrast and smooth natural motion whatever you are watching. Clean and razor-sharp images result from artefact and noise detection and reduction in all content sources - from multimedia to standard TV.

LED Lux Display

The LED Lux Display renders the highest available contrast with stunning brilliance and colours. 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 colour in bright areas. The result is a stunning picture with extreme contrast, sharpness and vibrant colour.

Dynamic contrast 2.000.000:1

You want the LCD flat display with the highest contrast and most vibrant images. The LED backlight offers this by a unique local dimming of the LEDs. It generates light where it is needed in the image and keeps dark areas supremely black. The excellent dimming enabled by LEDs allows an unsurpassed dynamic contrast ratio of 2.000.000:1. For the first time images are rendered with extreme deep blacks alongside vibrantly coloured amazing bright sections.

Full HD LCD display 1920 x 1080p

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 1920 x 1080p High Definition TV signal. It has a universal connection for both analogue YPbPr and uncompressed Digital connection of DVI or HDMI, supporting HDCP. It can display 1080p progressive signals at 24, 50 and 60 Hz.

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

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excellent sharpness. Enjoy motion performance that surpasses cinema quality!

Wide Colour Gamut LCD

x.v.Colour ensures realistic colour reproduction, accurately capturing every tint, hue and depth in order to offer a wide colour range that includes almost twice as many colours as sRGB colour space. x.v.Colour produces colour variations very close to what the human eye can recognise – it even enhances/improves the quality of High Definition video material. Televisions compliant with x.v.Colour will reproduce images in almost the same quality as when it was recorded.

100 Hz Clear LCD (2 ms)



100 Hz Clear 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.

2250 trillion colour processing

Vibrant and natural images from most advanced colour processing. The 17 bit colour booster optimises each of the 3 colour channels (RGB), a total processing power of 2250 trillion colours. It produces more vibrant colours while retaining excellent sharpness. The advanced algorithms detect skin tones and subtle colour shades, and processes these to give most natural colours.

Specifications

Ambilight

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

Picture/Display

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

Supported Display Resolution

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

Tuner/Reception/Transmission

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

Multimedia Applications

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

Convenience

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

Sound

- Output power (RMS): 2 x 15 W
- Sound System: Virtual Dolby Digital, BBE
- Sound Enhancement: Auto Volume Leveller, Digital Signal Processing, Dynamic Bass Enhancement, Graphic Equalizer, Smart Sound

Loudspeakers

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

Connectivity

- EasyLink (HDMI-CEC): One touch play, System audio control, System standby
- Front/Side connections: HDMI v1.3, S-video in, CVBS in, Audio L/R in, Headphones Out, USB
- Ext 1 Scart: Audio L/R, CVBS in, RGB
- Ext 2 Scart: Audio L/R, CVBS in, RGB
- Other connections: Analogue audio Left/Right out, S/PDIF out (coaxial), Common Interface

- PC network link: DLNA 1.0 certified
- 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

Power

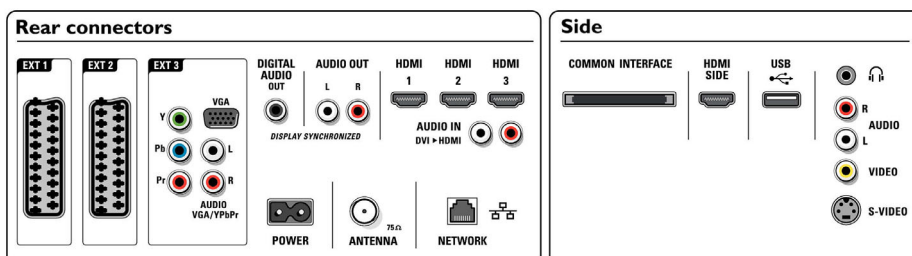
- Mains power: AC 220-240 V +/- 10%
- Ambient temperature: 5°C to 35°C
- Standby power consumption: 0.15 W
- Power (Energy-saving mode): 153 W
- Power (IEC 62087 Edition 2): 201 W

Accessories

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

Dimensions

- Set Width: 1027 mm
- Set Height: 627 mm
- Set Depth: 108 mm
- Product weight: 27.6 kg
- Set height (with stand): 698 mm
- Set depth (with stand): 265 mm
- Product weight (+stand): 30.8 kg
- Box width: 1142 mm
- Box height: 906 mm
- Box depth: 320 mm
- Weight incl. Packaging: 40 kg
- Stand width: 590 mm
- Wall-mount compatible: 300 x 300 mm



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* DVB-T, supported in selected countries only
* DVB-T MPEG4 only for: France, Spain, Denmark, Norway, Finland, Sweden. DVB-C MPEG4 only for selected providers: Denmark, Norway, Finland, Sweden. The 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.