



Philips
Flat TV with Ambilight

42"

LCD Full HD 1080p

42PFL7603D



Light up your senses

Immerse yourself in a captivating Ambilight experience. Featuring a full HD 1080p display and Perfect Pixel HD, this Flat TV combines HD Natural Motion, exciting invisible sound and Ambilight - lighting up your senses for years to come.

Elevate your viewing experience

- Ambilight enhances the viewing experience with ambient light

See pictures come alive

- Perfect Pixel HD Engine for unrivalled sharpness and clarity
- Full HD LCD display, with a 1920x1080p resolution
- HD Natural Motion for ultra smooth motion in Full HD movies
- 120Hz Clear LCD, 2ms performance for superb motion sharpness

Hear exciting and powerful sound

- Integrated wOOx loudspeakers for deep and powerful bass
- 30 watt with BBE for powerful sound and great voice clarity
- Dolby Digital output for connection to a home theatre system

Easy to connect and enjoy

- 4 HDMI inputs for full digital HD connection in one cable
- EasyLink: easy control of TV & connected device via HDMI CEC
- Settings assistant for effortless personalized TV settings



PHILIPS

sense and simplicity

Specifications

Picture/Display

- **Aspect ratio:** Widescreen
- **Brightness:** 500 cd/m²
- **Dynamic screen contrast:** 29000:1
- **Response time (typical):** 2 ms
- **Viewing angle:** 176° (H) / 176° (V)
- **Diagonal screen size:** 42 inch / 106 cm
- **Panel resolution:** 1920x1080p
- **Picture enhancement:** Perfect Pixel HD Engine, 3D Combfilter, Active Control + Light sensor, Digital Noise Reduction, Dynamic contrast enhancement, Progressive Scan, 120Hz Clear LCD, HD Natural Motion

Ambilight

- **Ambilight Features:** Ambilight 2 Channel

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 1080i	60Hz
1920 x 1080p	60Hz

Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
720p	60Hz
1080i	60Hz
1080p	60Hz

Sound

- **Equalizer:** 5-bands
- **Output power (RMS):** 30W
- **Sound Enhancement:** Incredible Surround
- **Sound System:** Dolby Digital (AC-3), BBE

Loudspeakers

- **Built-in speakers:** 2

Convenience

- **Child Protection:** Child Lock+Parental Control
- **Clock:** On main display, Sleep Timer
- **Ease of Installation:** Autostore
- **Ease of Use:** 4 favorite lists, Auto Volume Leveller (AVL), Channel list, Settings assistant Wizard

- **Remote Control:** TV
- **Screen Format Adjustments:** 4:3, Auto Format, Movie expand 14:9, Movie expand 16:9, Super Zoom, Widescreen, unscaled (1080p dot by dot)

Multimedia Applications

- **Multimedia connections:** USB memory class device
- **Playback Formats:** MP3, Slideshow files (.alb), JPEG Still pictures

Tuner/Reception/Transmission

- **Aerial Input:** 75 ohm F-type
- **TV system:** ATSC, NTSC
- **Video Playback:** NTSC
- **Cable:** Unscrambled Digital Cable -QAM
- **Tuner bands:** Hyperband, S-Channel, UHF, VHF

Connectivity

- **AV 1:** Audio L/R in, YPbPr
- **AV 2:** Audio L/R in, YPbPr
- **AV 3:** CVBS in, S-Video in
- **HDMI 1:** HDMI v1.3
- **HDMI 2:** HDMI v1.3
- **HDMI 3:** Analog audio L/R in, HDMI v1.3
- **HDMI-control (CEC features):** One touch play, Power status, System info (menu language), System standby
- **Front / Side connections:** HDMI v1.3, S-video in, CVBS in, Audio L/R in, Headphone out, USB
- **Audio Output - Digital:** Coaxial (cinch)

Power

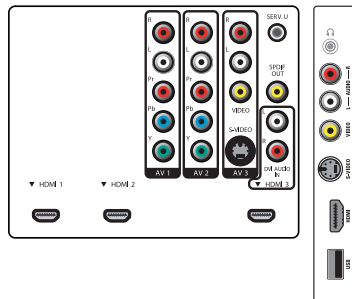
- **Ambient temperature:** 5 °C to 40 °C
- **Mains power:** AC 90 - 240 V, 50/60 Hz
- **Power consumption:** 280 W
- **Standby power consumption:** < 1 W

Dimensions

- **Set dimensions in inch (W x H x D):** 41.2 x 25.4 x 4.26 inch
- **Set dimensions with stand in inch (W x H x D):** 41.2 x 28.2 x 10.32 inch
- **Weight incl. Packaging (lb):** 68.92
- **Product weight (lb):** 60.32 (with stand), 49.3 (without stand)
- **Box dimensions in inch (W x H x D):** 45.31 x 31.22 x 13.11 inch
- **VESA wall mount compatible:** 400 x 400 mm

Accessories

- **Included Accessories:** Tabletop swivel stand, Power cord, Quick start guide, User Manual, Registration card, Remote Control



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42PFL7603D/27

Product highlights

Ambilight

Ambilight makes an impressive contribution to the overall viewing experience by producing ambient light to complement the colors and light intensity of the on-screen image. It adds a new dimension to the viewing experience, completely immersing you into the content you are watching. It creates ambiance, stimulates more relaxed viewing, and improves perceived picture detail, contrast and color. Ambilight automatically and independently adapts its colors according to the changing content on the screen.

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.

Full HD LCD display 1920x1080p

The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future proof as it supports 1080p signals from all sources, including the most recent like Blu-ray and advanced HD game consoles. The signal processing is extensively upgraded to support this much higher signal quality and resolution. It produces brilliant flicker-free progressive scan pictures with superb brightness and colors.

HD Natural Motion

Philips invented HD Natural Motion to eliminate juddering effects that are visible with movie based picture content. HD 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). The resulting smooth motion reproduction and excellent sharpness take the viewing experience to a higher level. HD Natural Motion removes judder from SD and HD pictures, including 1080p, for a motion performance that surpasses the cinema!

120Hz Clear LCD (2ms)

120Hz 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 120Hz refresh rate. It increases the sharpness of motion reproduction to more than twice that of conventional LCD, resulting in 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.

EasyLink

EasyLink uses the HDMI CEC industry standard protocol to share functionality between connected devices and the TV. With EasyLink only one remote control is needed to operate main functionalities on your TV and connected devices. EasyLink uses the standard HDMI cable to transfer system commands. It works between all electronic devices equipped with HDMI CEC.



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