

Philips Aurea
Flat TV

107cm (42")

LCD
DVB-T

42PFL9900D



Seduction by light

Let the beauty of light transform your viewing experience with the Aurea Flat TV. The Ambilight Spectra with active frame is blended in a stunning design. With Perfect Pixel HD Engine and Full HD 1080p LCD display seeing is believing.

Truly immersive sound

- Powerful sound from unique invisible speakers

Bring magic to your viewing experience

- Ambilight Spectra with Active Frame and sensorial halo

A pure treat for your eyes

- Full HD LCD display, with a 1920x1080p resolution
- Perfect Pixel HD Engine for unrivalled sharpness and clarity
- 100Hz Clear LCD for superb motion sharpness (3ms)
- 4 trillion colors processing for vivid and brilliant images
- HD Natural Motion for ultra smooth motion in Full HD movies

Designed for your convenience

- Drive your experience with Aurea Navigator remote control
- Settings assistant for effortless personalized TV settings
- 3 HDMI inputs for full digital HD connection in one cable

PHILIPS

Flat TV
107cm (42") LCD, DVB-T

Highlights

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.

Perfect Pixel HD Engine



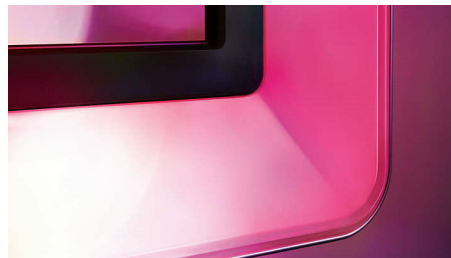
Experience unrivalled sharpness and clarity with Perfect Pixel HD Engine. Each pixel of the picture is enhanced to better match the surrounding pixels, resulting in a more natural picture. The result is a unique combination of sharpness, natural detail, vivid colors superior contrast and smooth natural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

100Hz Clear LCD



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 response time of 3 milliseconds (measured in Perceived Blur-Edge-Width; BEW). This unique Philips technology brings motion sharpness of LCD displays to an unprecedented level.

Ambilight Spectra



The sensorial halo of Ambilight Spectra adds a magical dimension to the viewing experience. The Active Frame extends the light and atmosphere of the image far outside the screen in a soft kaleidoscope of colors. You feel fully immersed in the images, viewing becomes a more intensive experience than you could ever imagine. The compact LED technology enables a total of 126 power LEDs to be placed around the screen. This creates a multitude of segments that fuse into one soft surround of light in the Active Frame, directly enveloping the screen and flowing seamlessly into a soft halo on the wall.

4 trillion colors processing

Vibrant and natural images from most advanced color processing. The 3 color

42PFL9900D/10

channels (RGB) are optimized using 14 bit resolution, a total processing power of 4 trillion colors. It produces vibrant colors while retaining excellent sharpness. The advanced algorithms detect subtle color shades and skin tones, and processes these to give most natural colors.

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.

Invisible speakers



An invisible sound system that blends perfectly with the design of the Aurea. Although invisible from the outside and extremely compact inside, there are no compromises to the performance of the sound. The new revolutionary micro speaker array uses 12 speakers per side to radiate the sound through an invisible thin slot at the front of the TV. They give a clear and spacious sound stage complementary to the rich viewing experience. The bass frequencies are generated by 2 powerful subwoofers integrated in the back of the TV.

Specifications

Ambilight

- Ambilight Features: Ambilight Spectra, Auto adaptive to video content, Lounge light mode in stand-by
- Ambilight light system: LED wide color
- Dimming Function: 10 steps with Aurea Navigator

Picture/Display

- Aspect ratio: Widescreen
- Diagonal screen size (inch): 42 inch
- Diagonal screen size (metric): 107 cm
- Color cabinet: Precision Chrome and translucent Pearl
- Panel resolution: 1920x1080p
- Brightness: 550 cd/m²
- Contrast ratio (typical): 1200:1
- Picture enhancement: Perfect Pixel HD Engine, HD Natural Motion, Dynamic contrast enhancement, 1080p 50/60Hz processing, 1080p 24/25/30Hz processing, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control, Jagged Line Suppression, Progressive scan, Pulse Killer Chip, Widescreen Plus, 100Hz Clear LCD, Double frame rate
- Display screen type: LCD Full HD W-UXGA Act. matrix
- Dynamic screen contrast: 8000:1
- Response time (typical): 3 (BEV equiv.) ms
- Viewing angle: 176° (H) / 176° (V)
- Screen enhancement: Anti-Reflection coated screen
- Color processing: 4 trillion colors (14bit RGB)

Supported Display Resolution

- Computer formats: Via HDMI/DVI input., 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: 480i, 60Hz, 480p, 60Hz, 576i, 50Hz, 576p, 50Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 24, 25, 30Hz, 1080p, 24, 50, 60Hz

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 *
- Video Playback: NTSC, SECAM, PAL

Multimedia Applications

- Multimedia connections: USB
- Playback Formats: MP3, Slideshow files (.alb), JPEG

Still pictures

Convenience

- Child Protection: Child Lock+Parental Control
- Ease of Installation: Auto Program Naming, Automatic Channel Install(ACI), Automatic Tuning System (ATS), Autostore, 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
- Clock: Smart Clock
- Screen Format Adjustments: unscaled (1080p dot by dot), 4:3, 6 Widescreen Modes, Auto Format, Movie expand 14:9, Movie expand 16:9, Subtitle and Heading Shift, Super Zoom, Widescreen
- Multimedia: Digital media reader (browser), USB autobreak-in
- Electronic Program Guide: Now + Next EPG, 8 day Electronic Program Guide
- Remote Control: Amp, DVD, DVD-R, Sat, HTS (Home Theater System), STB (Set-Top Box), Universal
- Remote control type: RC4490
- Teletext: 1200 page Hypertext
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB
- Picture in Picture: Text dual screen
- Teletext enhancements: Habit Watch, Program information Line

Sound

- Output power (RMS): 2x12W
- Sound System: Virtual Dolby Digital, BBE
- Sound Enhancement: Digital Signal Processing, Graphic Equaliser, Dynamic Bass Enhancement

Loudspeakers

- Built-in speakers: 26
- Loudspeaker types: 2x12 invisible microdrivers, 2 integrated subwoofers

Connectivity

- HDMI features: Cable equalization, Category 1 and 2 cables, Compressed audio, Multirate pref. format support, PC format support, Resolutions 720p, 1080i, 1080p
- Front / Side connections: Audio L/R in, CVBS in, Headphone Out, S-video in, USB
- Ext 1 Scart: Audio L/R, CVBS in/out, RGB
- Ext 2 Scart: Audio L/R, CVBS in/out, RGB

- Other connections: Analog audio Left/Right out, S/PDIF out (coaxial), Common Interface
- Ext 3: YPbPr, Audio L/R in
- Ext 4: HDMI v1.3
- Ext 5: HDMI v1.3
- Ext 6: HDMI v1.3

Power

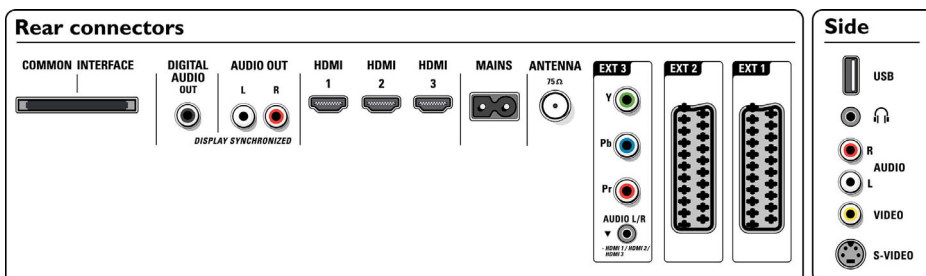
- Mains power: AC - 220 - 240 V +/- 10%
- Ambient temperature: 5 °C to 35 °C
- Power consumption: 231 W
- Standby power consumption: 0.8 W

Accessories

- Included accessories: Tabletop swivel stand, Wall mounting bracket, RF antenna cable

Dimensions

- Set Width: 1121 mm
- Set Height: 715 mm
- Set Depth: 129 mm
- Product weight: 39.6 kg
- Set height (with stand): 810 mm
- Set depth (with stand): 305 mm
- Product weight (+stand): 48.5 kg
- Box width: 1354 mm
- Box height: 1211 mm
- Box depth: 339 mm
- Weight incl. Packaging: 51 kg
- Stand width: 590 mm
- Wall mount compatible: 600 x 400 mm



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* DVB-T, supported in selected countries only