



Philips Aurea
Flat TV

107 cm (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

- Perfect Pixel HD Engine for unrivalled sharpness and clarity
- Full HD LCD display, with a 1920 x 1080p resolution
- 100 Hz Clear LCD for superb motion sharpness (3ms)
- 4 trillion colours 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 personalised TV settings
- 3 HDMI inputs for full digital HD connection in one cable

PHILIPS

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

Highlights

Full HD LCD display 1920 x 1080p



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 sources such as 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 colours.

Perfect Pixel HD Engine



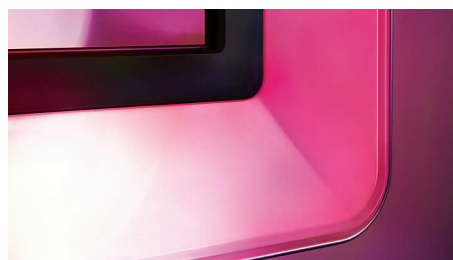
Experience unrivalled sharpness and clarity with Perfect Pixel HD Engine. Each pixel of the picture is enhanced to match the surrounding pixels better, resulting in a more natural picture. The result is a unique combination of sharpness, natural detail, vivid colours, superior contrast and smooth natural 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.

100 Hz Clear LCD



100 Hz 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 100 Hz refresh rate. It increases the sharpness of motion reproduction to more than twice that of conventional LCDs, resulting in a response time of 3 milliseconds (measured in Perceived Blur-Edge-Width; BEW). This unique Philips technology brings the motion sharpness of LCD displays to an unprecedented level.

Ambilight Spectra



The sensorial halo of Ambilight Spectra adds a magical dimension to your viewing experience. The Active Frame extends the light and atmosphere of the image far outside the screen in a soft kaleidoscope of colours. 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.

42PFL9900D/10

4 trillion colours processing

Vibrant and natural images from the most advanced colour processing. The 3 colour channels (RGB) are optimised using 14-bit resolution, a total processing power of 4 trillion colours. It produces vibrant colours while retaining excellent sharpness. The advanced algorithms detect subtle colour shades and skin tones and process them to give the most natural colours.

HD Natural Motion



Philips invented HD Natural Motion to minimise 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 quality 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 colour
- Dimming Function: 10 steps with Aurea Navigator

Picture/Display

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

Supported Display Resolution

- Computer formats: Via HDMI/DVI input, 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, 25, 30 Hz, 1080p, 24, 50, 60 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*
- 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 Programme Naming, Automatic Channel Install (ACI), Automatic Tuning System (ATS), Autostore, 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
- 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 Programme Guide: Now + Next EPG, 8-day Electronic Programme Guide
- Remote Control: Amp, DVD, DVD-R, Sat, HTS (Home Theatre 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, Programme information Line

Sound

- Output power (RMS): 2 x 12 W
- Sound System: Virtual Dolby Digital, BBE
- Sound Enhancement: Digital Signal Processing, Graphic Equalizer, Dynamic Bass Enhancement

Loudspeakers

- Built-in speakers: 26
- Loudspeaker types: 2 x 12 invisible microdrivers, 2 integrated subwoofers

Connectivity

- HDMI features: Cable equalization, Category 1 and 2 cables, Compressed audio, Multi-rate pref. format support, PC format support, Resolutions 720p, 1080i, 1080p
- Front/Side connections: Audio L/R in, CVBS in, Headphones 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: Analogue 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

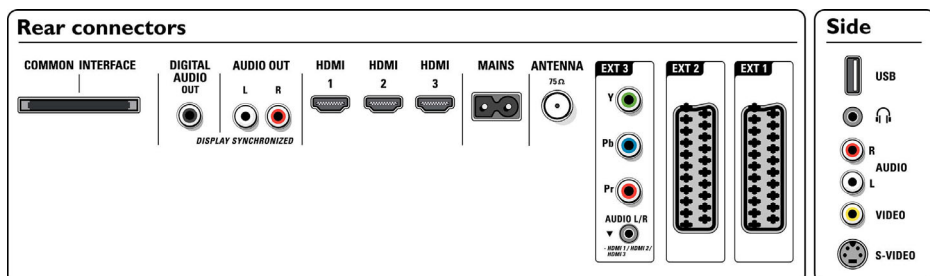
- Mains power: AC - 220 - 240 V +/- 10%
- Ambient temperature: 5°C to 35°C
- Power consumption: 231 W
- Standby power consumption: 0.8 W

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