Philips
LED TV

102 cm (40")
Full HD 1080p
digital TV

40PFL8605H

Refined living, pure performance

with Ambilight and leading picture

Top performance on a picture perfect 102 cm (40") flat screen. The Philips 40PFL8605H LED TV provides a frameless design with Ambilight to set the scene for you to experience the brilliance of LED technology. Enjoy the show.

Greener every day
• LED TVs up to 40% more energy efficient than normal LCD TVs

Built-in Internet TV
• Philips Net TV for popular online services on your TV

Perfect LCD Picture
• Full HD with Perfect Pixel HD Engine for unrivalled clarity
• Fully HD 3D Ready for a truly immersive 3D movie experience
• Brilliant LED images with low power consumption
• Perfect Natural Motion for ultra-smooth Full HD movies
• 800 Hz Perfect Motion Rate (PMR) for superb motion sharpness

Impressive, invisible sound
• Feel the power of 20 W RMS and Incredible Surround Sound

Enlarge your viewing experience
• Ambilight Spectra 2 widens the viewing experience

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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 by projecting a glow of light, on 2 sides of the TV, from the back of the screen onto the surrounding wall. Ambilight automatically adjusts the colour and brightness of the light to match the picture, creating an immersive viewing experience. The wall adaptive function ensures that the colour of the light always matches the picture, no matter the colour of your wall. 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, for 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. The Full HD screen with 1920 x 1080 pixels produces brilliant flicker-free progressive scan pictures with superb brightness.

Fully HD 3D Ready

Be enthralled by 3D movies in your own living room with the Full HD 3D ready TV. Active

3D uses the latest generation of fast switching displays for real life depth and realism in full 1080 x 1920 HD resolution. Premium 3D movie releases on Blu-ray and upcoming 3D broadcast offer a wide and high quality content selection. Your TV is ready for the Full HD 3D experience by adding a 3D compatible Blu-ray player or HD receiver, and the accessory 3D upgrade kit (Philips PTA02). For family enjoyment with more than 2 viewers add as many 3D glasses as you wish (extension kit PTA03).

LED

The most advanced LED lighting technology in this TV combines an eye-catching minimalistic design with stunning image quality as well as the lowest power consumption in its category. On top of that, LED lighting technology does not contain any hazardous materials. Thus, with LED backlight you can enjoy low power consumption, high brightness, incredible contrast, sharpness and vibrant colours.

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 excellent sharpness. Enjoy motion performance that surpasses cinema quality!

20 W RMS Incredible Surround Sound

Feel the power of the music beat and the atmosphere of the movies. The powerful 20 W RMS (2 x 10 W RMS) amplifiers create a lifelike sound stage. Incredible Surround allows you to experience total surround with greater depth and width of sound complementary to the rich viewing experience.

Energy efficient LED

Using the latest LED backlight technology, LED-backlit TVs are a more sustainable choice, with a longer life and far lower energy consumption than plasmas and conventional LCD TVs. Unlike CCFL backlights, LEDs do not use mercury in their manufacture. In addition, Philips TV designs have constantly improved, resulting in higher material efficiency and reduced energy usage without compromising on safety and well-being.

Philips Net TV

Experience a rich selection of online services with Philips Net TV. Enjoy movies, pictures, infotainment and other Internet content directly on your TV whenever you like. Simply connect directly to your home network through the Ethernet connection, and navigate and select what you want to watch with the remote control. The Philips menu gives you access to popular Net TV services fitted for your TV screen. Additionally, with the DLNA-certified PC network you can watch videos or access pictures stored on your computer using your remote control.

Specifications

Ambilight
- Ambilight Features: Ambilight Spectra 2, Lounge light mode in stand-by, 'Sunset' soft switch off, Wall colour adaptive
- Ambilight Version: 2-sided
- Ambilight light system: LED-wide colour
- Dimming Function: Manual and via Light Sensor

Picture/Display
- Aspect ratio: Widescreen
- Diagonal screen size (inch): 40 inch
- Diagonal screen size (metric): 102 cm
- Colour cabinet: Seamless front glass
- Display: LCD Full HD, edge LED backlight
- Panel resolution: 1920 x 1080p
- 3D: 3D Ready*
- Brightness: 450 cd/m²
- Picture enhancement: Perfect Pixel HD Engine, Perfect Natural Motion, Perfect Contrast, Perfect Colours, Active Control + Light sensor, 2D/3D noise reduction, Super Resolution, 3D TV prepared*, 800 Hz Perfect Motion Rate
- Dynamic screen contrast: 500,000:1
- Response time (typical): 1 (BEW) ms
- Viewing angle: 176° (H)/176° (V)
- Peak Luminance ratio: 65 %
- Screen enhancement: Anti-Reflection coated screen
- Colour processing: 2250 trillion colours 17bit RGB

Supported Display Resolution
- Computer inputs: up to 1920 x 1080 @ 60 Hz
- Video inputs: up to 1920 x 1080p, 24, 25, 30, 50, 60 Hz

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

Multimedia Applications
- Video Playback Formats: Codec support:, H264/MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4, WMV9/VC1, Containers: AVI, MKV
- Music Playback Formats: MP3, WMA (v2 up to v9.2), AAC

- Picture Playback Formats: JPEG
- Net TV: Included

Convenience
- Ease of Installation: Channel installation wizard, Network installation wizard, Settings assistant wizard, Device connection wizard, Auto detect Philips devices, 2-in-1 Wallmount Stand
- Ease of Use: On-screen User manual, Touch control buttons, Favourite programme selection, Mozaïc channel grid, One-stop experience button, One-stop Home button
- Screen Format Adjustments: Autofill (no black bars), Autozoom (original format), (includes 4:3, 14:9, 21:9), Super Zoom, Movie expand 16:9, Widescreen, unscaled (1080p dot by dot)
- Multimedia: DLNA media Browser, Net TV services, USB media browser
- Electronic Programme Guide: Now + Next EPG, 8-day Electronic Programme Guide*
- Teletext: 1200-page Hypertext
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade

Sound
- Output power (RMS): 2 x 10 W, Invisible Sound
- Sound Enhancement: Auto Volume Leveller, Dynamic Bass Enhancement, Incredible Surround, Treble and Bass Control, Clear Sound

Connectivity
- HDMI features: Audio Return Channel, Instaport fast HDMI switching
- EasyLink (HDMI-CEC): One touch play, Pixel Plus link (Philips), Remote control pass-through, System audio control, System standby, EasyLink
- Front/Side connections: USB, Common Interface Slot (CI-CI+), SD-card (Videostore)
- Ext 1 Scart: Audio L/R, CVBS in, RGB
- HDMI 1: HDMI v1.4 (Audio Return Ch.)
- Ext 2 Scart: Audio L/R, CVBS in, RGB
- HDMI 2: HDMI v1.3
- Other connections: Headphone out, S/PDIF out (coaxial), Ethernet-LAN RJ-45, 3D TV connector
- HDMI 3: HDMI v1.3
- PC network link: DLNA 1.5 certified
- Ext 3: YPbPr, Audio L/R in
- Summary: 4 x HDMI, 1 x USB, 2 x SCART, 1 x

Ethernet, Wi-Fi ready
- VGA-in: PC input, D-sub 15
- HDMI Side: HDMI v1.3

Power
- Mains power: 220 - 240 V, 50/60 Hz
- Ambient temperature: 5°C to 35°C
- Green label: ECO label certified
- Standby power consumption: < 0.15 W
- Power consumption (typical): 77.0 W
- Power Saving Features: 0 Watt Power-off switch, Light sensor, Eco mode, Picture mute (for radio), Auto switch-off timer, Eco settings menu
- Off mode power consumption: < 0.01
- Annual energy consumption: 112.42 kW·h
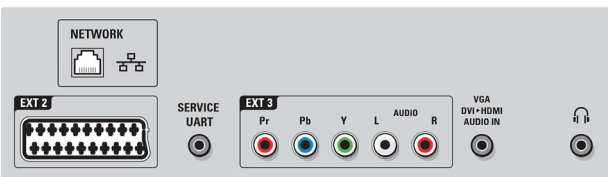- Presence of lead: Yes*

Accessories
- Included accessories: Power cord, Quick start guide, Warranty certificate, Remote Control, Batteries for remote control, Legal and safety brochure, Net TV brochure
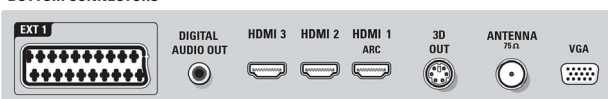- Optional accessories: Wireless USB adapter (PTA01), 3D TV extension kit (PTA03), 3D TV starter kit (PTA02)

Dimensions
- Set Width: 965 mm
- Set Height: 600 mm
- Set Depth: 50 mm
- Product weight: 17.5 kg
- Set height (with stand): 636 mm
- Set depth (with stand): 248 mm
- Product weight (+stand): 20 kg
- Box width: 1200 mm
- Box height: 786 mm
- Box depth: 333 mm
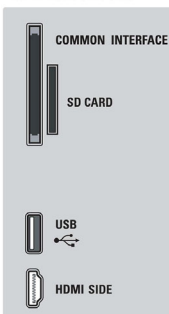- Stand width: 468 mm
- Wall-mount compatible: 200 x 300 mm

BACK CONNECTORS

NETWORK

EXT 2 SERVICE UART EXT 3 Pr Pb Y L AUDIO R VGA DVI·HDMI AUDIO IN

BOTTOM CONNECTORS

EXT 1 DIGITAL AUDIO OUT HDMI 3 HDMI 2 HDMI 1 ARC 3D OUT ANTENNA 75Ω VGA

SIDE CONNECTORS

COMMON INTERFACE

SD CARD

USB

HDMI SIDE

* 8 days EPG, service not available in all countries
* Net TV: Visit www.philips.com/smarttv to discover the services available in your country.
* The TV supports DVB reception for 'Free to air' broadcast. Specific DVB operators may not be supported. An up to date list can be found in the FAQ section of the Philips support website. For some operators Conditional Access and subscription are required. Contact your operator for more information.
* 3D TV requires Accessory PTA02 (Active shutter glasses and transmitter, a 3D compatible source device and 3D source material.
* Typical on-mode power consumption measured according to IEC62087 Ed 2.
* Energy consumption in kWh per year based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.
* This television contains lead only in certain parts or components where no technology alternatives exist in accordance with existing exemption clauses under the RoHS Directive.

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