Philips
LED TV with Ambilight
Spectra 2 and Perfect Pixel
HD Engine

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

40PFL8505H

Refined living, pure performance

with Ambilight and leading picture

Be captivated by a truly refined performance. An ultra-thin aluminium design and Ambilight set the scene for you to experience the brilliance of LED technology. Enjoy the show.

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

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
• 800 Hz Perfect Motion Rate (PMR) for superb motion sharpness
• Perfect Natural Motion for ultra-smooth Full HD movies

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

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

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

NL/22/001

PHILIPS

sense and simplicity

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.

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.

Energy

For many years Philips has pro-actively been working on energy efficiency. As a result, most Philips products have achieved green energy labels. The greener the label, the lower the energy consumption, the lower your energy bill and the friendlier for the environment.

EU Eco Label

The Philips eco-design process aims to create products that are increasingly eco-friendly. Our efforts have been recognised and Philips has been awarded the EU Eco Label (Eco flower) for the majority of its models because of their high energy efficiency, ultra low standby powers (up to 50% less than the required EU Eco Label level), absence of hazardous substances (e.g. lead) and design for easier recycling.

Specifications

Picture/Display
- Aspect ratio: Widescreen
- Brightness: 450 cd/m²
- Dynamic screen contrast: 500,000:1
- Response time (typical): 1 (BEW) ms
- Viewing angle: 176° (H)/176° (V)
- Diagonal screen size: 40 inch / 102 cm
- Display: LCD Full HD, edge LED backlight
- Panel resolution: 1920 x 1080p
- 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
- Screen enhancement: Anti-Reflection coated screen
- Peak Luminance ratio: 65 %
- Colour processing: 2250 trillion colours 17bit RGB
- 3D: 3D Ready*
- Colour cabinet: Silver Brushed Aluminium

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

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

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

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

- Electronic Programme Guide: Now + Next EPG, 8-day Electronic Programme Guide*
- 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)
- Teletext: 1200-page Hypertext
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade
- Multimedia: DLNA media Browser, Net TV services, USB media browser

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

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

Connectivity
- Ext 1 Scart: Audio L/R, CVBS in, RGB
- Ext 2 Scart: Audio L/R, CVBS in, RGB
- Ext 3: YPbPr, Audio L/R in
- VGA-in: PC input, D-sub 15
- HDMI 1: HDMI v1.4 (Audio Return Ch.)
- HDMI 2: HDMI v1.3
- HDMI 3: HDMI v1.3
- HDMI Side: HDMI v1.3
- Front/Side connections: USB, Common Interface Slot (CI-CI+), SD-card (Videostore)
- 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
- Other connections: Headphone out, S/PDIF out (coaxial), Ethernet-LAN RJ-45, 3D TV connector
- PC network link: DLNA 1.5 certified
- Summary: 4 x HDMI, 1 x USB, 2 x SCART, 1 x

Ethernet, Wi-Fi ready

Power
- Green label: ECO label certified
- Ambient temperature: 5°C to 35°C
- Mains power: 220 - 240 V, 50/60 Hz
- Power consumption (typical): 77 W
- Standby power consumption: < 0.15 W
- Off mode power consumption: < 0.01 W
- Annual energy consumption: 112.42 kW·h
- Presence of lead: Yes*
- Power Saving Features: 0 Watt Power-off switch, Light sensor, Eco mode, Picture mute (for radio), Auto switch-off timer, Eco settings menu
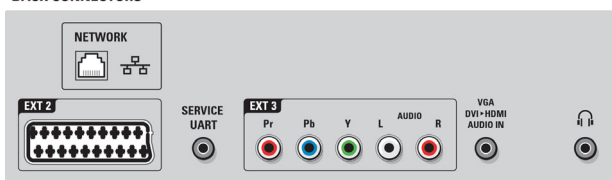
Dimensions
- Set dimensions (W x H x D): 957 x 596 x 43 mm
- Set dimensions with stand (H x D): 641 x 240 mm
- Product weight: 13.7 kg
- Product weight (+stand): 15.5 kg
- Box dimensions (W x H x D): 1190 x 712 x 160 mm
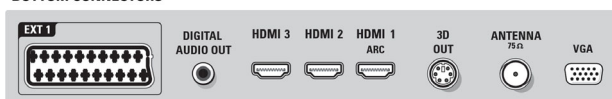- VESA wall mount compatible: adjustable 200 x 300 mm

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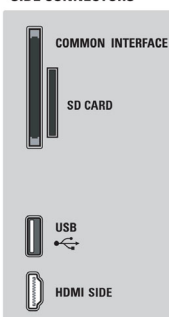- Optional accessories: Wireless USB adapter (PTA01), 3D TV extension kit (PTA03), 3D TV starter kit (PTA02)

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.