

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

**117 cm (46")**  
Full HD 1080p  
digital TV

**46PFL8685H**



## Refined living, pure performance

with Ambilight and leading picture

Be captivated by a truly refined performance. A frameless 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
- Full HD 3D Ready for a truly immersive 3D movie experience
- Brilliant LED images with low power consumption
- 200Hz Clear LCD TV, 1ms performance: superb motion sharpness
- Perfect Natural Motion for ultra smooth Full HD movies

### Impressive, invisible sound

- Feel the power of 24W RMS and Incredible Surround

### In-built 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



# PHILIPS

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

## Full 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 1080x1920 HD resolution. Premium 3D movie releases on BluRay and upcoming 3D broadcast offers a wide and high quality content selection. Your TV is ready for the Full HD 3D experience by adding a 3D compatible BluRay 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 colors.

## Philips Net TV



Experience a rich selection of online services with Philips Net TV. Enjoy movies, pictures, infotainment and other internet 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.



## Matching home theatre experience

Intensify your cinematic viewing experience further with the matching Philips Soundbar (HTS9140). You now only need one remote control to operate both devices. Using Philips Easylink via HDMI connection, you are also ensured that you have the best picture and sound performance from the complete combination. Enquire more about this unique combination today!



# Specifications

## Picture/Display

- Aspect ratio: Widescreen
- Brightness: 450 cd/m<sup>2</sup>
- Dynamic screen contrast: 500000:1
- Response time (typical): 1 (BEW) ms
- Viewing angle: 176° (H) / 176° (V)
- Diagonal screen size: 46 inch / 116 cm
- Display: LCD Full HD, edge LED backlight
- Panel resolution: 1920x1080p
- Picture enhancement: Perfect Pixel HD Engine, Perfect Natural Motion, Perfect Contrast, Perfect Colors, Active Control + Light sensor, 2D/3D noise reduction, 200Hz Clear LCD, Super Resolution, 3D TV prepared\*
- Screen enhancement: Anti-Reflection coated screen
- Peak Luminance ratio: 65 %
- Color processing: 2250 trillion colors 17bit RGB
- Color cabinet: Seamless front glass

## 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 color

## Supported Display Resolution

- Computer inputs: up to 1920x1080 @ 60Hz
- Video inputs: up to 1920x1080p, 24, 25, 30, 50, 60 Hz

## Sound

- Output power (RMS): 24W (2\*12W)
- Sound Enhancement: Auto Volume Leveler, 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: Onscreen Usermanual, Touch control buttons, Favorite program selection, Mozaic channel grid, One-stop experience button, One-stop Home button
- Electronic Program Guide: Now + Next EPG, 8day Electronic Program 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

## 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

## Power

- Ambient temperature: 5 °C to 35 °C
- Mains power: 220 - 240V, 50/60Hz
- Power consumption (typical): 84 W
- Standby power consumption: <0.15 W
- Off mode power consumption: < 0.01
- Annual energy consumption: 122.64 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): 1102 x 675 x 51 mm
- Set dimensions with stand (H x D): 711 x 268 mm
- Stand width: 508 mm
- Product weight: 25 kg
- Product weight (+stand): 28 kg
- Box dimensions (W x H x D): 1342 x 909 x 210 mm
- Wall mount compatible: 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 adaptor (PTA01), 3D TV extension kit (PTA03), 3D TV starter kit (PTA02)



Issue date 2022-07-14

Version: 12.0.9

12 NC: 8670 000 60943  
EAN: 87 12581 53060 0

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[www.philips.com](http://www.philips.com)

\* 8 days EPG, service not available in all countries

\* Net TV: Visit [www.philips.com/smarttv](http://www.philips.com/smarttv) to discover the services offering 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.