

Philips LCD TV with Ambilight Spectra 2 and Pixel Precise HD

117 cm (46")



46PFL6655D

# Be part of the action!

with Ambilight and brilliant LED pictures

Be captivated by the unique Ambilight innovation from Philips. Together with the latest 100Hz direct LED backlight technology, this TV will create intense and precious moments for you and your family.

# Enlarge your viewing experience

• Ambilight Spectra 2 widens the viewing experience

### **HD TV** in stunning detail

- Full HD TV with Pixel Precise HD for details in action
- 100Hz LCD for superb motion sharpness
- HD Natural Motion for ultra smooth motion in Full HD movies

# Rich and clear sound.

- $\bullet\,$  Feel the power of 20W RMS and Incredible Surround
- · Hear every word with Clear Sound

# Complete digital connectivity made simple

- Seamless connectivity with 3 HDMI inputs and Easylink
- · Integrated tuner for digital reception without set top box

#### **Greener every day**

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



# 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!

#### **Pixel Precise HD**

Pixel Precise HD builds on the award winning Pixel Plus foundation. It brings the high definition picture quality to the next level with 4 trillion colours. With Super Resolution, Pixel Precise HD now brings you the best HD TV picture quality whether you are watching a video from the internet or good quality Blu-ray movies.

#### 100Hz LCD



100Hz 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. This unique Philips technology brings motion sharpness of LCD displays to an unprecedented level.

#### **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.

### 20W RMS Incredible Surround

Feel the power of the music beat and the atmosphere of the movies. The powerful 20W RMS (2x10W 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.

### **Clear Sound**



Clear Sound is an innovative audio technology that significantly increases the

comprehensibility of the voice, whether spoken or sung. It ensures you hear every word, so you can enjoy what you're watching to the fullest.

#### 3 HDMI inputs with Easylink



HDMI is a single cable to carry both picture and audio signals from your devices to your TV, avoiding cable clutter. It carries uncompressed signals, ensuring the highest quality from source to screen. Together with Philips Easylink, you need only one remote control to perform most operations on your TV, DVD, BluRay, set top box or home theatre system.

#### Integrated digital tuner

The integrated digital tuner lets you receive digital cable and terrestrial TV without an additional set top box. Enjoy quality TV clutter free

#### **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.



















# **Specifications**

# Picture/Display

- · Aspect ratio: Widescreen
- Diagonal screen size: 46 inch / 117 cm
- · Display: LCD Full HD, direct LED backlight
- Panel resolution: 1920x1080p
- Picture enhancement: Pixel precise HD, Active Control + Light sensor, 100Hz Clear LCD, Digital Noise Reduction, Dynamic contrast enhancement, Luminance Transient Improver, MPEG artifact reduction, HD Natural Motion, Color booster
- Screen enhancement: Anti-Reflection coated

#### **Ambilight**

- · Ambilight Version: 2-sided
- Ambilight Features: Ambilight Spectra 2, Lounge light mode, Wall colour adaptive
- · Dimming Function: Manual and via Light Sensor
- · Ambilight light system: LED wide color

# **Supported Display Resolution**

Computer formats

Computer formats	
Resolution	Refresh rate
$640 \times 480$	60Hz
$800 \times 600$	60Hz
$1024 \times 768$	60Hz
$1280 \times 1024$	60Hz
$1360 \times 768$	60Hz
1600 x 1200	60Hz
1920 × 1080	60Hz
V: f	

Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576i	50Hz
576 <sub>P</sub>	50Hz
720p	50, 60Hz
1080i	50, 60Hz
1080 <sub>P</sub>	24, 25, 30, 50, 60Hz

#### Sound

- Output power (RMS): 20W
- Sound Enhancement: Auto Volume Leveler, Dynamic Bass Enhancement, Incredible Surround, Treble and Bass Control, Clear Sound
- · Sound System: Mono, Nicam Stereo, Stereo

# **Convenience**

• Child Protection: Child Lock+Parental Control

- · Clock: Sleep Timer
- · Ease of Installation: Channel installation wizard, Settings assistant wizard, Device connection wizard, Auto detect Philips devices, Auto Program Naming, Autoinstall, Fine Tuning, Program Name, Sorting
- · Ease of Use: Smart Picture, Smart Sound, Connectivity assistant, Demo mode, EasyLink, Favorite program selection, Mozaïc channel grid, One-stop experience button, One-stop Home button
- Electronic Program Guide: Now + Next EPG, 8day Electronic Program Guide\*
- Screen Format Adjustments: Auto Format, Super Zoom, Movie expand 16:9, Widescreen, unscaled (1080p dot by dot)
- · Signal strength indication
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB
- · Multimedia: auto slideshow, USB autobreak-in, 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, RealMedia (.rm, .rmvb, RV8-10), Containers: AVI, MKV

#### Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: PAL B/G, PAL D/K
- · Video Playback: NTSC, SECAM, PAL
- Digital TV: DVB-C MPEG4\*
- Tuner bands: Hyperband, S-Channel, UHF, VHF

#### **Connectivity**

- AV 1: Audio L/R in, YPbPr
- AV 2: Audio L/R in, YPbPr
- · AV 3: Audio L/R in, CVBS in, S-Video in
- VGA-in: PC input, D-sub 15
- HDMI 1: HDMI v1.4 (Audio Return Ch.)
- HDMI 2: HDMI v1.3
- Front / Side connections: HDMI v1.3, USB, Common Interface Slot (CI-CI+)
- · EasyLink (HDMI-CEC): One touch play, System info (menu language), Pixel Plus link (Philips),

Remote control pass-through, System audio control, System standby

· Audio Output - Digital: Coaxial (cinch)

#### **Power**

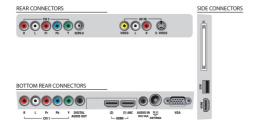
- Ambient temperature: 5  $^{\circ}$ C to 35  $^{\circ}$ C
- Mains power: 220-240V~; 50-60Hz
- · Power consumption (typical): 109 W
- Standby power consumption: < 0.15 W</li>
- Power Saving Features: 0 Watt Power-off switch, Light sensor, Eco mode

#### **Dimensions**

- Set dimensions (W x H x D): 1122 x 685 x 87 mm
- Set dimensions with stand (W x H x D): 1122 x 731 x 268 mm
- Weight incl. Packaging: 22.4 kg
- Product weight: 17.9 kg
- Product weight (+stand): 25 kg
- Box dimensions (W x H x D): 1222 x 773 x 198 mm
- Wall mount compatible: 300 x 300 mm

#### Accessories

- · Included accessories: Quick start guide, User Manual, Warranty certificate, Remote Control, 2 x AAA Batteries, Software declaration
- · User Manual: Simplified Chinese





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\* 8 days EPG, service not available in all countries \* 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 subscripction are required. Contact your operator for more information.