Philips 7000 series
Smart LED TV with
Ambilight Spectra 2 and
Pixel Precise HD

119 cm (47")

Easy 3D DVB-T2/C

47PFL7656T

Be part of the action!

with Ambilight and 3D TV

Experience cinema at home with a Philips 7000 series 119 cm (47") 47PFL7656 3D TV. It combines powerful LED pictures and the immersion of Ambilight to deliver an immersive 3D movie experience. Be assured you will always be part of the action.

Intensify your viewing experience
• Ambilight Spectra 2 sided intensifies the experience
• Easy 3D for a truly immersive 3D movie experience

Action captured in stunning detail
• Full HD TV with Pixel Precise HD for details in action
• Brilliant LED images with low power consumption
• 600 Hz Perfect Motion Rate (PMR) for superb motion sharpness
• Perfect Natural Motion for ultra-smooth Full HD movies

Authentic and clear sound experience
• Feel the power of 28 W RMS and Incredible Surround

Enjoy the online world with Smart TV
• A wealth of online apps, videos to rent and catch-up TV
• Control the TV with your smart phone, tablet or keyboard
• Enjoy photos, music and movies from any device on your TV
• Record or pause your programme easily

A+ Energy Label

SmartTV

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 the 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 what the colour of your wall is. Get the bigger picture with Ambilight.

Easy 3D

Easy 3D ensures you get long hours of comfort while watching 3D thanks to the flicker-free, low ghosting performance. The compatible 3D glasses are lightweight and do not require batteries. Enjoy 3D easily at home today!

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.

Full HD LED TV

LED lighting technology is the most advanced available. This Full HD LED TV combines an eye-catching minimalistic design with stunning image quality, and on top of all that, it has the lowest power consumption in its category. Another environmental benefit is that LED lighting technology does not contain hazardous materials. With an LED backlight you can enjoy low power consumption, high brightness, incredible contrast and sharpness and vibrant colours.

600 Hz Perfect Motion Rate

600 Hz Perfect Motion Rate (PMR) creates extreme motion sharpness for clear and vibrant images in fast action films. The new Philips PMR standard shows the combined visible effect of the fastest panel refresh rate, Perfect Natural Motion and unique processing formula, for unprecedented motion sharpness

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!

28 W RMS Incredible Surround

Feel the power of the music beat and the atmosphere of being at the cinema. The powerful 28 W RMS (2 x 14 W RMS) amplifiers create a life-like soundstage. The Incredible Surround allows you to experience total surround with greater depth and width of sound. It gives a clear and spacious sound stage that complements the rich viewing experience.

A+ Energy Label

Energy Class A+

EU Energy Label
For many years Philips has pro-actively been working on the reduction of both on-mode and standby power consumption of its televisions and as a result most Philips televisions have achieved green EU energy labels in 2010. The greener the label, the lower the on-mode power consumption and the lower your energy bill and friendlier to the environment.

Smart TV

Smart TV for a simpler TV experience in four areas. Net TV lets you rent films, watch catch-up TV and enjoy social media. Control your TV with your Smartphone or tablet. Use SimplyShare to enjoy multimedia content from your computer, phone and tablet on your TV. Record your TV programmes easily without additional bulky devices.

Specifications

Ambilight
- Ambilight Version: 2 sided
- Ambilight Features: Wall colour adaptive, Lounge light mode

Picture/Display
- Display: edge LED backlight
- Diagonal screen size: 47 inch / 119 cm
- Panel resolution: 1920 x 1080p
- 3D: Easy3D*
- Aspect ratio: 16:9
- Brightness: 450 cd/m²
- Peak Luminance ratio: 65 %
- Dynamic screen contrast: 500,000:1
- Response time (typical): 2 ms
- Picture enhancement: Pixel precise HD, Perfect Natural Motion, Active Control + Light sensor, Super Resolution, 600 Hz Perfect Motion Rate

Sound
- Output power (RMS): 28 W (2 x 14 W)
- Sound Enhancement: Auto Volume Leveller, Clear Sound, Incredible Surround, Treble and Bass Control

Smart TV Applications
- Control: MyRemote app (iOS & Android), USB Keyboard and Mouse support
- SimplyShare: DLNA media browser, USB media browser, Wi-Fi MediaConnect*
- Net TV: Catch-up TV, Online Video shops, Open Internet browser, Online apps
- Programme: Pause TV, USB recording

Connectivity
- Number of HDMI connections: 4
- HDMI features: 3D, Audio Return Channel
- EasyLink (HDMI-CEC): Remote control pass-through, System audio control, System standby, Plug and play add to Homescreen, Auto subtitle shift (Philips), Pixel Plus link (Philips), One touch play
- Number of components in (YPbPr): 1
- Number of scarts (RGB/CVBS): 1
- Number of USBs: 2
- Other connections: Antenna IEC75, Common Interface Plus (CI+), Ethernet-LAN RJ-45, SD card slot (Videostore), Digital audio out (optical), PC-in VGA + Audio L/R in, Headphone out, Service connector
- Wireless connections: Wireless LAN ready

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

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

Convenience
- PC network link: DLNA 1.5 certified
- Electronic Programme Guide: 8-day Electronic Programme Guide*
- Ease of Installation: Auto detect Philips devices, Channel installation wizard, Device connection wizard, Network installation wizard, Settings assistant wizard
- Ease of Use: One-stop Home button, On-screen User manual, Touch control buttons
- Screen Format Adjustments: Autofill, Autozoom, Movie expand 16:9, Super Zoom, Unscaled, Widescreen
- Signal strength indication
- Teletext: 1200-page Hypertext
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade

Tuner/Reception/Transmission
- Digital TV: DVB-C MPEG2*, DVB-C MPEG4*, DVB-T MPEG2*, DVB-T MPEG4*, DVB-T2, Freeview HD
- Video Playback: NTSC, PAL, SECAM

Power
- Mains power: AC 220 - 240 V 50/60 Hz
- Ambient temperature: 5°C to 40°C
- Energy Label Class: A+
- EU Energy Label power: 62 W
- Annual energy consumption: 91 kW·h
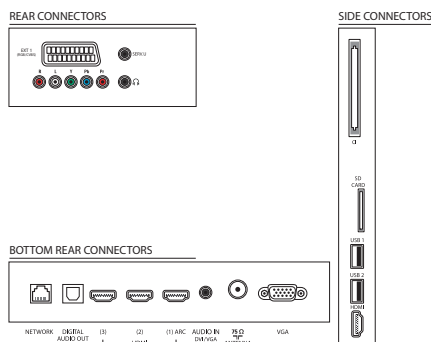- Standby power consumption: < 0.15 W
- Off mode power consumption: < 0.01 W
- Power Saving Features: 0 Watt Power-off switch, Auto switch-off timer, Eco mode, Eco settings menu, Light sensor, Picture mute (for radio)
- Presence of lead: Yes*

Dimensions
- Box dimensions (W x H x D): 1192 x 780 x 158 mm
- Set dimensions (W x H x D): 1102 x 647 x 38.5 mm
- Set dimensions with stand (W x H x D): 1102 x 721 x 254 mm
- Product weight: 18.6 kg
- Product weight (+stand): 21.4 kg
- Compatible wall mount: 400 x 400 mm

Accessories
- Included accessories: Power cord, Remote Control, 2 x AAA Batteries, 2 x 3D Glasses, 2 x cleaning cloth bags, Tabletop swivel stand, Quick start guide, 3D Health Guide, Legal and safety brochure, Warranty Leaflet
- Optional accessories: 3D glasses PTA416, Wireless USB adapter (PTA01)

REAR CONNECTORS

SIDE CONNECTORS

BOTTOM REAR CONNECTORS

* Net TV: Visit www.philips.com/tv to discover the services offered in your country.
* Parents should monitor their children during 3D viewing and ensure they do not experience any discomfort as mentioned above. Watching 3D is not recommended for children under 6 years of age as their visual system is not fully developed yet.
* 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.
* 8 days EPG, service not available in all countries
* USB recording is only possible for digital channels covered by the TV IP bases Electronic Programme Guide (country and channel restrictions may apply); recordings may be limited by broadcast copy protection (CI+). An Internet connection is required.
* Annual energy consumption is calculated using the typical power consumption of 4 hours per day, 365 days per year.
* 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.