Philips
LCD TV with Perfect Pixel HD Engine

117cm/46" class
Full HD 1080p
digital TV

46PFL7705D

More than performance

ultra slim Eco TV ™

Treat yourself to an immersive experience with the latest ultra thin LED TV from Philips. With a powerful picture performance from Pixel Precise HD, the slim frame ensures you are always part of the action.

See every detail of the action
• LED technology ensures natural color and thin design
• Full HD LCD display, with a 1920x1080p resolution
• 120Hz Clear LCD, 2ms performance for superb motion sharpness
• Perfect Natural Motion for ultra smooth Full HD movies
• Perfect Pixel HD Engine for unrivalled sharpness and clarity

Hear exciting and powerful sound
• SRS TruSurround HD®

In-built internet TV
• Net TV for popular online services on your TV
• Netflix-Streaming TV Episodes and Movies over the Internet

Greener every day
• Energy Star rated for low power consumption

PHILIPS

Highlights

LED

LED lighting technology is the most advanced available. In this TV it combines an eye-catching minimalistic design with stunning image quality, as well as being 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 colors.

Full HD LCD display 1920x1080p

The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future proof as it supports 1080p signals from all sources, including the most recent like Blu-ray and advanced HD game consoles. The signal processing is extensively upgraded to support this much higher signal quality and resolution. It produces brilliant flicker-free progressive scan pictures with superb brightness and colors.

120Hz Clear LCD (2ms)

120Hz Clear 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 120Hz refresh rate. It increases the sharpness of motion reproduction to more than twice that of conventional LCD, resulting in a response time of 2 milliseconds (measured in Perceived Blur-Edge-Width; BEW). This unique Philips technology brings motion sharpness of LCD displays to an unprecedented level.

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!

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, resulting in 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.

SRS TruSurround HD®

SRS TruSurround HD® creates an immersive, feature-rich surround sound experience from two speakers, complete with rich bass, high frequency detail and clear dialog.

Net TV

Experience a rich selection of online services with Net TV. Enjoy movies, pictures, infotainment and other online content directly on your TV whenever you like. Simply connect your TV directly to your home network through the ethernet connection, and navigate and select what you want to watch with the TV remote control. The Philips menu gives you access to popular Net TV services fitted for your TV screen.

Netflix

Instantly watch TV episodes and movies as often as you want on your Philips TV. All you need is an internet connection (either Wi-Fi or Ethernet) and a Netflix membership package that includes streaming, and you are ready to go.

Energy Star

Energy Star-labeled home electrical products are designed to use less energy - saving you money while reducing environmental pollution. In fact, Energy Star-compliant products consume less than 1 watt of power while in standby mode. As an Energy Star partner, Philips develops products that meet the Energy Star guidelines for energy efficiency. This is achieved by having low standby power consumption through innovatively designed standby circuitry and stringent selection of components made with high efficiency materials.

Specifications

Picture/Display
- Aspect ratio: Widescreen
- Display screen type: LED Full HD Display
- Panel resolution: 1920x1080p
- Brightness: 450 cd/m²
- Response time (typical): 2 ms
- Contrast ratio (typical): 5000:1
- Dynamic screen contrast: 110,000:1
- Diagonal screen size: 46 inch / 117 cm
- Visible screen diagonal (inch): 45.99 inch
- Viewing angle: 178° (H) / 178° (V)
- Picture enhancement: 120Hz LCD, Perfect Pixel HD Engine, Perfect Natural Motion, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control + Light sensor, Dynamic contrast enhancement, Progressive scan

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz
1280 x 768	60Hz
1280 x 1024	60Hz
1360 x 768	60Hz
1440 x 900	60 Hz
1680 x 1050	60Hz
1920 x 1080	60Hz

- Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
720p	60Hz
1080i	60Hz
1080p	60Hz

Sound
- Equalizer: 5-bands
- Sound System: Dolby Digital (AC-3), Stereo, SAP, SRS TruSurround HD
- Output power (RMS): 20W

Loudspeakers
- Built-in speakers: 4

Convenience
- Child Protection: Child Lock+Parental Control
- Clock: On main display, Sleep Timer

- Ease of Installation: Autostore
- Ease of Use: 4 favorite lists, Auto Volume Leveller (AVL), Channel list, Settings assistant Wizard, Side Control
- Remote Control: TV
- Screen Format Adjustments: 4:3, Movie expand 14:9, Movie expand 16:9, Super Zoom, Widescreen, unscaled (1080p dot by dot), Automatic
- Multimedia: Net TV services, auto slideshow

Multimedia Applications
- Multimedia connections: USB memory class device
- Playback Formats: MP3, JPEG Still pictures, MPEG1, MPEG2, AVI, DivX

Tuner/Reception/Transmission
- Aerial Input: 75 ohm F-type
- TV system: ATSC, NTSC
- Video Playback: NTSC
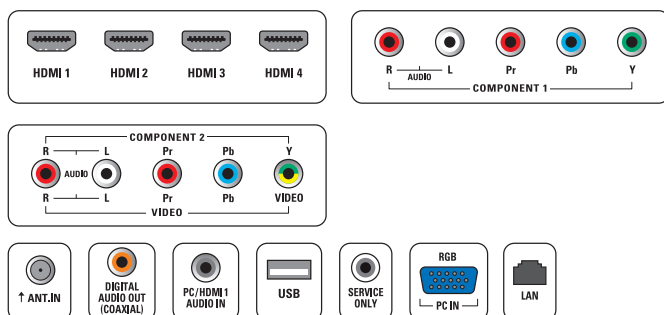- Tuner bands: UHF, VHF

Connectivity
- AV 1: Audio L/R in, YPbPr
- AV 2: Audio L/R in, YPbPr, CVBS in
- HDMI 1: HDMI
- HDMI 2: HDMI
- HDMI 3: HDMI
- HDMI 4: HDMI
- Audio Output - Digital: Coaxial (cinch)
- Other connections: Ethernet, PC Audio in, PC-In VGA, Service connector
- USB: USB
- EasyLink (HDMI-CEC): One touch play, Power status, System info (menu language), Remote control pass-through, System audio control, System standby

Power
- Mains power: 120V/60Hz
- Power consumption: 165 W
- Standby power consumption: < 0.1 W
- Ambient temperature: 5°C to 35°C (41°F to 95°F)

Dimensions
- Set dimensions in inch (W x H x D): 43.39 x 26.38 x 1.57 inch
- Set dimensions with stand in inch (W x H x D): 43.39 x 28.78 x 11.34 inch

- Product weight (lb): 36.82
- Product weight (+stand) (lb): 48.72 lb
- Box dimensions in inch (W x H x D): 55.91 x 31.69 x 10.63 inch
- Weight incl. Packaging (lb): 59.75
- VESA wall mount compatible: 400 x 400 mm

Accessories
- Included accessories: Tabletop swivel stand, Power cord, Quick start guide, User Manual, Registration card, Remote Control, Batteries for remote control, Cable ties, Warranty certificate

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