PHILIPS



4K Ambilight TV

LED

126 cm (50") Ambilight TV

AmbiScape

4K LED

Dolby Atmos and DTS:X



50PUS8001

Next-level immersion, every day

This Ambilight TV delivers stunning picture, Dolby Atmos sound optimised by AI. With Ambilight, every film and series feels bigger and more thrilling—while AmbiScape takes immersion to the next level. All wrapped in a thoughtful design.

Respond to the action. Full-room immersion

- There's TV. And there's Ambilight TV
- AmbiScape -sync your smart bulbs to the action

Vivid viewing, cinematic sound

- Get closer to the details with Pixel Precise Ultra HD
- Colour and contrast unleashed with HDR10+
- Whatever you watch, perfect TV sound. IntelliSound engine
- Surround yourself in Dolby Atmos and DTS:X

Smart. Sleek. Connected

- With exclusive Aurora and Moments apps
- Connect seamlessly to smart home networks

Design that speaks volumes

- Eco design – European design thinking

4K LED TV perfect detail

Highlights

Ambilight
With integrated LED lights that react to each scene, Ambilight immerses you in a halo of colourful light. Movies, sports, music videos and gaming expand beyond the screen to draw you deeper into the moment. Once experienced, you'll never want another TV without it.

4K LED
With 8 million pixels all working closely together in harmony, this is 4K viewing like no other. With the sharpest images set to define more detailed lifelike scenes, nothing captures the moment more truthfully than with this Philips TV.

AmbiScape


Step into a new dimension of entertainment. AmbiScape extends Ambilight beyond the TV, syncing with your smart lights to transform your room into a living canvas. Feel every scene, every beat and every moment as your surroundings react in real time—pulling you deeper into the experience.

Pixel Precise Ultra HD


Zoom in. Lose yourself in the detail. This is precision that goes beyond the imaginable. With a Pixel Precise Ultra HD screen for sharpness and lifelike detail, it fills each moment with breathtaking experiences.

HDR10+


Expect more details. Frame-by-frame improved picture quality. With greater emphasis on colour and contrast, this is where even the darkest moments and the brightest scenes are made clearer.

IntelliSound


With our IntelliSound engine on board, you can use AI to give you the best possible sound! Whether it's shows and films, music or speech-heavy content like news, the TV will optimise settings automatically. Don't want to use AI? You can also select preset sound styles manually or customise settings yourself.

Titan OS. Find it easily


Titan OS puts everything you love to watch right at your fingertips—from epic sequels to hit series, and documentaries to dramas. Beyond entertainment, explore the Aurora gallery and transform your screen into a canvas of stunning art. Or make it personal with Moments: share photos straight from your phone.

Dolby Atmos and DTS:X


With Dolby Atmos for sound just as the director intended and DTS:X to create 3D sound experiences, it's as if you're really there. Adding this extra dimension to sound brings a more immersive experience to your home.

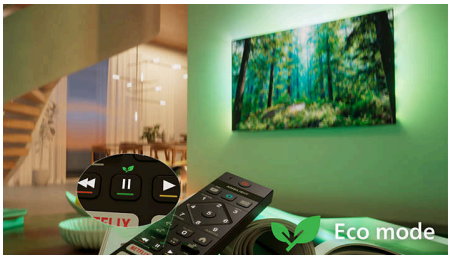
Highlights

Matter Smart Home compatible



Matter Smart Home compatibility brings seamless integration to your existing smart home network. To control the TV from your Matter Smart Home app or with voice control services, simply push the button on your remote and speak. Dim the lights. Adjust your thermostat. Even turn on your Philips Ambilight TV. A single command does it all.

Sustainable expertise



Sustainability meets style. This beautifully crafted TV is designed with the planet in mind, from a remote made of recycled plastics to FSC-certified packaging and inserts printed on recycled paper. With Eco Mode, you can lower the TV's energy consumption across all content and settings in just one tap.

Easylink

EasyLink lets you have full control of your Philips TV, soundbar and even external tuner boxes with just one remote control. Experience seamless and unified command. No more juggling with multiple remote controls. Just smooth, connected convenience every time.

LED

4K Ambilight TV

50PUS8001/05

Specifications

Ambilight

AmbiScape
Ambilight Features: Ambilight FTI Animation, AmbiSleep, Wall colour adaptive, Gaming mode, Music Mode, Ambilight Suite, Auto Ambilight, Lounge mode, Dual View Fixed Color
Ambilight Version: 3-sided

Picture/Display

Diagonal screen size (inch): 50 inch
Diagonal screen size (metric): 126 cm
Display: 4K Ultra HD LED
Panel resolution: 3840x2160p
Native refresh rate: 60 Hz
Picture engine: Perfect Pixel Ultra HD
Picture enhancement: Crystal Clear, Personal, Natural, ECO, Game, Monitor

Display input resolution

Resolution-Refresh rate: 640 x 480 - 60Hz, 576p - 50Hz, 720p - 50/60Hz, 1920 x 1080p - 24/25/30/50/60Hz, 2560 x 1440 - 60Hz, 3840 x 2160p - 24/25/30/50/60Hz

Tuner/Reception/Transmission

Digital TV: DVB-T/T2/T2-HD/C/S/S2, CI+ 2.0, HbbTv (EU), HEVC UHD (up to 2160p60)
Signal strength indication
Teletext: 1000 page Hypertext

Smart TV

SmartTV apps*: Amazon Prime Video, Disney+, Netflix, NFT app*, HBO, YouTube
OS: TITAN OS
Memory size (Flash)*: 8GB

Smart TV Features

Interactive TV: HbbTV
Smart Home experience: Control4, MATTER, Works with Amazon Alexa, Works with Google assistant
Gaming Control Bar: Gamebar 2.0
TTS support

Multimedia Applications

Video Playback Formats: AVI, MKV, HEVC, H.264/MPEG-4 AVC, MPEG1, MPEG2, MPEG4, VP9, HEVC (H.265), AV1
Music Playback Formats: MP3, WAV, AAC, FLAC
Subtitles Formats Support: SRT, SMI, SSA, SUB, ASS, TXT
Picture Playback Formats: JPEG, GIF, PNG, BMP, HEIF

Sound

Audio: 2.0 Channel
Output power (RMS): 20 W
Speaker configuration: 2 x 10 W Full-Range Speaker
Codec: Dolby Digital MS12 - Y, Dolby Atmos, DTS:X
Sound Enhancement: AVL Mode, All Sound Style, Bass Enhancement, Dolby Atmos Virtualizer, Dolby Bass Enhancement, Dolby Media Intelligence, Entertainment, Equalizer, Hearing Profile, Night mode, Vocal Boost, Personal
Headphone Features: Dolby Atmos for Headphone
Sound Engine: IntelliSound
Main Speaker: Full Range Bass Reflex (FR01A)

Specifications

Connectivity
EasyLink 3.0
Number of HDMI connections: 3
HDMI features: 4K, Audio Return Channel (HDMI 1)
EasyLink (HDMI-CEC): Remote control pass-through, System audio control, System standby, One touch play
Number of USBs: 2
Wireless connection: Wi-Fi 802.11ac 2x2 Dual band, Bluetooth 5.2, easy-pair (BLE auto detect), Works with Apple AirPlay
HDCP 2.3
HDMI ARC: HDMI 1: e-ARC
HDMI 2.1 features: eARC on HDMI 1, eARC/ VRR/ ALLM supported
EasyLink 2.0: HDMI-CEC for Philips TV/SB, External setting via TV UI

Supported HDMI video features
HDMI 1/2: HDMI 2.0
Gaming: ALLM
HDMI 3/4: HDMI 2.0
HDR: HDR10, HDR10+ Compatible, HLG

EU Energy card
EPREL registration numbers: 2607077
Energy class for SDR: F
On mode power demand for SDR: 77 kWh/1000h
Energy class for HDR: F
On mode power demand for HDR: 76 kWh/1000h
Off mode power consumption: n.a
Networked standby mode: ≤ 2 W
Panel technology used: LED LCD

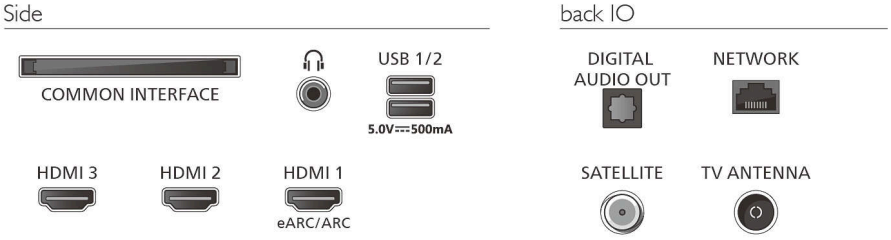
Power
Mains power: AC 100-240 V 50/60 Hz
Standby power consumption: <0.5 W
Power Saving Features: Eco mode, Auto switch-off timer, Light sensor, Picture mute (for radio)

Accessories
Included accessories: 2 x AAA Batteries, Legal and safety brochure, Remote Control, Power cord (2m), Table top stand, Quick start guide

Design
Colours of TV: Matt black bezel
Stand design: Metal black arch stand

Dimensions
Distance between 2 stands: 795 mm
Wall-mount compatible: 200 x 100 mm
TV without stand (W x H x D): 1110.5 x 640 x 87.7 mm
TV with stand (W x H x D): 1110.5 x 710.9 x 278.2 mm
Package carton (W x H x D): 1210 x 750 x 125 mm
Weight of TV without stand: 8.22
Weight of TV with stand: 8.76
Weight incl. packaging: 11.91

Connections



* 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.
* 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.
* Smart TV app availability varies by TV model and country. For more details, please visit: www.philips.com/smarttv
* Philips TV Remote app and related functionalities vary by TV model, operator and country, as well as smart device model and OS. For more details, please visit: www.philips.com/TVRemoteapp
* EPG and actual visibility (up to 8 days) is country- and operator-dependent.
* Netflix subscription required. Subject to terms on https://www.netflix.com
* Amazon Prime is available in selected languages and countries.
* Over-the-top media services button on the remote control will be different in each country. Please refer to the actual product in the box.
* Google Assistant is available in different languages and countries specific to product types.
* Scope of voice control services via the TV varies according to country and language. For the latest information, please contact our customer care.
* *Apple, AirPlay and Apple Home are trademarks of Apple Inc., registered in the U.S. and other countries and regions.

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