



Philips LED
4K Ambilight TV

126 cm (50") Ambilight TV

Supports major HDR formats
Dolby Atmos sound
Philips Smart TV



50PUS8108

Your wish is this TV's command!

4K Ambilight TV

Want to enjoy the latest releases? Just tell this TV's built-in Alexa what you're looking for, then sit back as immersive Ambilight draws you deeper into the drama! You'll enjoy an ultra-sharp picture and realistic Dolby Atmos sound too.

Looks great, whatever you watch or play.

- Great for gaming. VRR and low input lag on any console.
- Compatible with all major HDR formats

Simply great TV. Packed responsibly.

- Alexa built-in and works with Google Assistant*
- Slim TV. Packed for the future.
- Great TV. No fuss. Philips Smart TV.

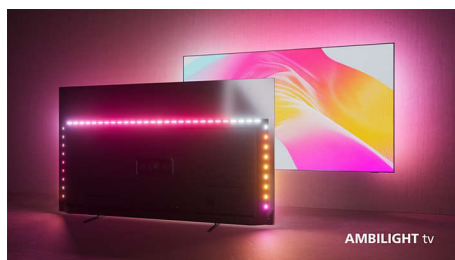
4K LED Ambilight TV. Super sharp and immersive

- Immerse yourself in what you love. Ambilight TV.
- Ultra-sharp picture. Vibrant viewing.
- Cinematic vision and sound. Dolby Vision and Dolby Atmos.

PHILIPS

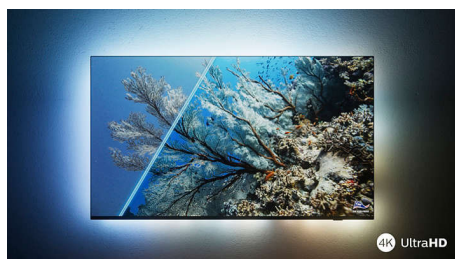
Highlights

Ambilight TV



Ambilight TVs are the only TVs with LED lights behind the screen that react to what you watch, immersing you in a halo of colourful light. It changes everything: your TV seems bigger, and you'll be drawn deeper into your favourite shows, movies and games.

Ultra-sharp picture



No matter what you watch, this 4K LED Ambilight TV gives you a bright, ultra-sharp picture with vivid colours. The TV is compatible with all major HDR formats — so you'll see more detail, even in dark and bright areas, when you're streaming HDR content.

Dolby Vision and Dolby Atmos



With Dolby Vision and Dolby Atmos on board, your films, shows and games look and sound

incredible. See the picture that the director wanted you to see — no more disappointing scenes that are too dark to make out! Hear every word clearly. Experience sound effects like they're really happening around you.

Philips Smart TV



You'll find everything fast with our new smart TV. Enjoying a series? You can continue watching straight from the home screen. If you're looking for something new, you can browse categories like action or drama and see suggestions from the top streaming services — all in one place.

AI voice control



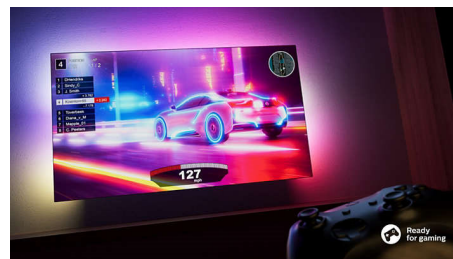
There's a choice of voice assistants! Speak to Alexa devices through Philips TV to play music, hear the news, check weather, control smart home devices, and more. Using Alexa on our 8100 series is simple and hands-free - just ask, and Alexa will respond instantly. If you're watching at the time, the TV volume will lower so that the TV's integrated mic can pick up your voice clearly. Or you can control your TV via Google smart speakers.

Responsible packaging.



The virtually bezel-free screen of this Ambilight TV goes with just about any interior, and the slim, dark-grey stand is the perfect height to accommodate a soundbar. Our packaging uses FSC-certified recycled cardboard and our printed materials use recycled paper.

Good for gaming.



HDMI 2.1 lets you get the best from your console, with fast gameplay and smooth graphics. VRR is supported, and a low input lag setting activates automatically when you turn on your console. Ambilight's gaming mode makes the thrills feel bigger.

Compatible with HDR formats

Compatible with all major HDR formats

Specifications

Ambilight

- Ambilight Features: Wall colour adaptive, Lounge mode, Game Mode, Ambilight Music, AmbiSleep, Built-in Ambilight
- 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: 3840 x 2160

- Native refresh rate: 60 Hz
- Picture engine: Pixel Precise Ultra HD
- Picture enhancement: HDR10, HLG (Hybrid Log Gamma), HDR10+ compatible, Dolby Vision

Display input resolution

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

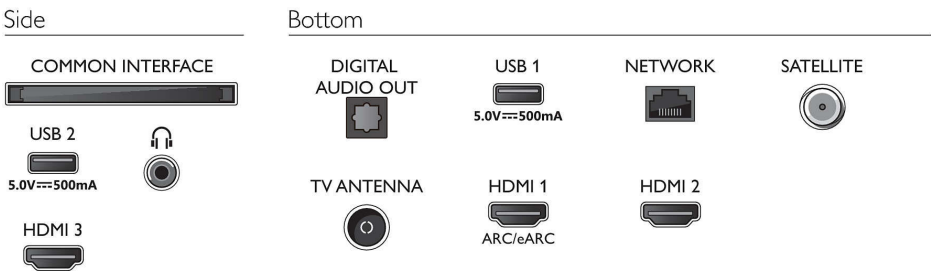
Tuner/Reception/Transmission

- Digital TV: DVB-T/T2/T2-HD/C/S/S2
- TV Programme guide*: 8-day Electronic Programme Guide
- Signal strength indication
- Teletext: 1000 page Hypertext
- HEVC support

Smart TV

- OS: Smart TV with improved OS

Connections



Specifications

Smart TV Features

- User Interaction: SimplyShare, Screen mirroring
- Interactive TV: HbbTV
- SmartTV apps*: YouTube, Philips store, Amazon Prime video, Netflix
- Voice assistant*: Amazon Alexa built-in, Works with Google Assistant

Multimedia Applications

- Video Playback Formats: Containers: AVI, MKV, H264/MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4, VP9, HEVC (H.265), AV1
- Music Playback Formats: AAC, MP3, WAV, WMA (v2 up to v9.2), WMA-PRO (v9 and v10), FLAC
- Subtitles Formats Support: .SML, .SRT, .SSA, .SUB, .TXT, .ASS
- Picture Playback Formats: JPEG, BMP, GIF, PNG, HEIF

Processing

- Processing Power: Dual Core

Sound

- Output power (RMS): 20 W
- Speaker configuration: 2 x 10 W full-range speaker
- Codec: Dolby Digital MS12 V2.6
- Sound Enhancement: A.I. Sound, Clear Dialogue, Dolby Atmos®, Dolby Bass Enhancement, Dolby Volume Leveller, Night mode, A.I. EQ

Connectivity

- Number of HDMI connections: 3
- HDMI features: 4K, Audio Return Channel
- 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, 2 x 2, Dual band, Bluetooth 5.0
- Other connections: Common Interface Plus (CI+), Ethernet-LAN RJ-45, Digital audio out (optical), Headphone out, Service connector, Satellite Connector
- HDCP 2.3: Yes on all HDMI
- HDMI ARC: Yes on HDMI1
- 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

- Gaming: ALLM, HDMI VRR
- HDR: HLG, HDR10, HDR10+, Dolby Vision

EU Energy card

- EPREL registration numbers: 1446282
- Energy class for SDR: F
- On mode power demand for SDR: 61 kWh/1000h
- Energy class for HDR: G
- On mode power demand for HDR: 112 kWh/1000h
- Off mode power consumption: n.a.
- Networked standby mode: 2.0 W
- Panel technology used: LED LCD

Power

- Mains power: AC 220 - 240 V 50/60 Hz
- Standby power consumption: less than 0.3 W
- Power Saving Features: Auto switch-off timer, Picture mute (for radio), Eco mode, Light sensor
- Off mode power consumption: N/A

Accessories

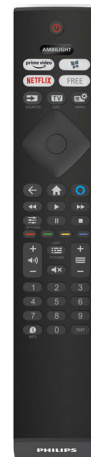
- Included accessories: Remote Control, 2 x AAA Batteries, Tabletop stand, Power cord, Quick start guide, Legal and safety brochure

Design

- Colours of TV: Satin chrome bezel
- Stand design: Satin chrome arch stand

Dimensions

- Set Width: 1116.0 mm
- Set Height: 657.0 mm
- Set Depth: 82.0 mm
- Product weight: 11.9 kg
- Set width (with stand): 1116.0 mm
- Set height (with stand): 716.0 mm
- Set depth (with stand): 258.0 mm
- Product weight (+stand): 12.1 kg
- Box width: 1240.0 mm
- Box height: 785.0 mm
- Box depth: 150.0 mm
- Weight incl. Packaging: 15.2 kg
- Stand width: 729.0 mm
- Stand height: 72.0 mm
- Stand depth: 258.0 mm
- Distance between 2 stands: 729.0 mm
- Stand height to TV bottom edge: 72.0 mm
- Wall-mount compatible: 200 x 300 mm



Issue date 2023-10-21

Version: 4.4.1

EAN: 87 18863 03693 8

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* EPG and actual visibility (up to 8 days) is country- and operator-dependent.

* 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 more details please visit: www.philips.com/TVRemoteapp.* Philips TV Remote app and related functionalities vary per TV model, operator and country, as well as smart device model and OS. For more details please visit: www.philips.com/smarttv.

* 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.

* Amazon Prime is available in selected languages and countries.

* Netflix subscription required. Subject to terms on <https://www.netflix.com>

* Rakuten TV is available in selected languages and countries.

* Google Assistant is available in selected languages and countries. The list of supported countries and languages will be expanded over time. For the latest information, please contact our customer care.