

PHILIPS



4K Ambilight TV

LED

126 cm (50") Ambilight TV

4K LED

HDR10+

Dolby Atmos and DTS:X



50PUS8100

The Ambilight TV with Google Assistant built in.

Meet Ambilight TV – where stunning visuals meet effortless entertainment. With this 4K Google TV, there's no need to scroll endlessly—just ask Google Assistant to find your favourite movie, show or sport. Then, sit back and immerse yourself

Brilliant, whatever you watch or play.

- Compatible with voice assistants and Apple AirPlay*
- Entertainment you love, with a little help from Google.

Design that speaks volumes

- European design thinking
- Size up to choose

4K LED TV with Ambilight

- There's TV. And there's Ambilight TV
- Vivid moments. Sharper scenes.

Vivid viewing, cinematic sound

- Colour and contrast unleashed with HDR10+
- Surround yourself in Dolby Atmos and DTS:X

LED

4K Ambilight TV

50PUS8100/12

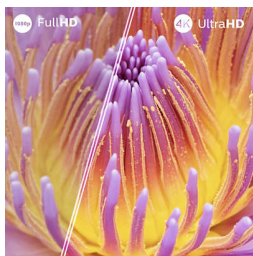
Highlights

Ambilight



With integrated LED lights that react to each scene, Ambilight immerses you in a halo of colourful light. All your entertainment goes beyond the screen to draw you deeper into the moment. Once experienced, you'll never want another TV without it.

4K LED with Pixel Precise Ultra HD



Zoom in. Lose yourself in the detail. This is 4K picture 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+



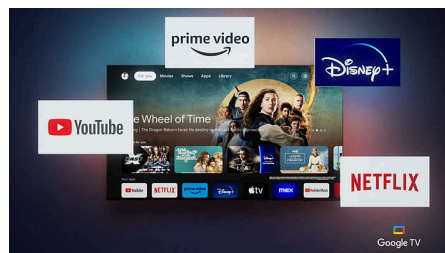
Expect more detail. Frame by frame improved picture quality. With greater emphasis on colour and contrast, this is where even the darkest moments and the brightest scenes are made clearer.

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.

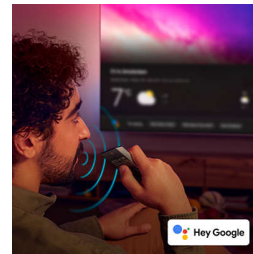
Google TV™



What do you want to watch? Google TV brings together films, shows and more from across your apps and subscriptions, and organises them just for you. You'll get suggestions based on what

you like, and you can even use the Google TV app on your phone to curate your watchlist on the go.

AI voice control



You get a choice of voice assistants! Push the Google Assistant button on your remote and you can use your voice to find films and shows, get recommendations, control compatible smart home devices and more. Or ask Alexa to control the TV via Alexa-enabled devices. Stream effortlessly to your TV from your iPhone, iPad or Mac. Watch films from apps. Share photos with friends in the room.*

Sustainable expertise

Edge stand, sleek slim frame—this is European design at its finest. Set your Ambilight to lounge mode to drench your room in colour while your TV sleeps. And with its remote formed from recycled plastic and packaging from FSC-certified cardboard, even the inserts are carefully considered and printed on recycled paper.

Multiple sizes



Go big. Go small. Go for a television that blends in perfectly with your needs. From a small screen 43" right up to a 65" TV, size up the incredible 8000 Series for the smarter choice in TV.

AMBILIGHT tv

4K UltraHD

HDR10+

Dolby Atmos

Google TV

Hey Google

LED

4K Ambilight TV

50PUS8100/12

Specifications

Ambilight

Ambilight Features: Ambilight Suite, Gaming mode, Wall colour adaptive, Lounge light mode
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 2160p
Picture engine: Pixel Precise Ultra HD
Picture enhancement: Micro Dimming, Ultra Resolution, Natural Motion, Crystal Clear, Personal, Home Cinema, ECO, Movie, Game, Monitor

Display input resolution

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

Tuner/Reception/Transmission

Digital TV: DVB-T/T2/T2-HD/C/S/S2
Signal strength indication
Teletext: 1000 page Hypertext
HEVC support

Smart TV

SmartTV apps*: Disney+, Apple TV, Netflix*, YouTube, Amazon Prime Video, NFT app*, Whalefit
OS: Google TV™
Memory size (Flash)*: 16 GB

Smart TV Features

Interactive TV: HbbTV
Voice assistant*: RC with Mic., Google Assistant built in, Works with Alexa
Smart Home experience: MATTER, Control4, Works with Apple Home
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 speakers
Codec: Dolby Atmos®, DTS:X, Dolby Digital
Sound Enhancement: AI mode, Original, Entertainment, Music, Spatial Music, Dialogue, Personal, All Sound Style, Clear Dialogue, Sound Personalisation, AVL Mode, Night mode
Sound Engine: Basic Sound Engine
Main Speaker: Full Range Bass Reflex (FR01A)

Specifications

Connectivity

Number of HDMI connections: 3

HDMI features: Audio Return Channel, 4K

EasyLink (HDMI-CEC): Remote control pass-through, System audio control, System standby, One touch play (auto wake-up)

Number of USBs: 2

Wireless connection: Wi-Fi 802.11ac, 2 x 2, Dual band, Bluetooth 5.0, Works with Apple AirPlay, Google Fast Pair

HDCP 2.3: Yes on all HDMI

HDMI ARC: Yes on HDMI3

HDMI 2.1 features: eARC/VRR/ALLM supported, eARC on HDMI 3

EasyLink 2.0: External setting via TV UI, HDMI-CEC for Philips TV/SB

Supported HDMI video features

Gaming: ALLM, HDMI VRR

HDR: HLG, HDR10, HDR10+ Compatible

EU Energy card

EPREL registration numbers: 2361288

Energy class for SDR: E

On mode power demand for SDR:

53 kWh/1000h

Energy class for HDR: G

On mode power demand for HDR:

72 kWh/1000h

Off mode power consumption: n.a

Networked standby mode: 2.0 W

Panel technology used: LED LCD

Power

Mains power: AC 100 – 240 V 50/60 Hz

Standby power consumption: less than 0.5 W

Accessories

Included accessories: 2 x AAA Batteries, Quick start guide, Safety and Legal Leaflet, Tabletop stand, Remote Control, Power cord

Design

Colours of TV: Metal black bezel

Stand design: Black sticks

Dimensions

Distance between 2 stands: 810 mm

Wall-mount compatible: 200 x 100 mm

TV without stand (W x H x D):

1111 x 649 x 88 mm

TV with stand (W x H x D): 1111 x 674 x 255 mm

Package carton (W x H x D):

1240 x 800 x 150 mm

Weight of TV without stand: 8.23 kg

Weight of TV with stand: 8.39 kg

Weight incl. packaging: 11.61 kg



* 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.

* Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates. Amazon Alexa 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, Apple Home, HomeKit and iOS are trademarks of Apple Inc., registered in the U.S. and other countries and regions. iOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under licence.

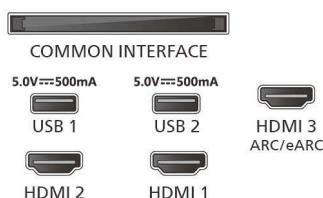
* Google TV is the name of this device's software experience and a trademark of Google LLC.

* Google TV is the name of this device's software experience and a trademark of Google LLC. YouTube, OK Google and other marks are trademarks of Google LLC.

* Availability of Apple TV app and Apple TV+ may vary by country or region. Please check the Google Play and Apple Inc. support pages.

Connections

Side



Down

