

# PHILIPS

## 4K OLED Ambilight TV

### OLED

Ambilight TV, AmbiScape  
4K OLED. Up to 165 Hz  
P5 AI Intelligent Engine  
IntelliSound



55OLED851

## Incredible realism. Gorgeous design

OLED811 offers P5 AI intelligent engine with lifelike details and smooth motion intelligently. Great cinematic sound with a wide range of Smart TV contents. Ambilight responds to the content you are watching, delivering an immersive experience.

### Seamless in every way

- Connect seamlessly to smart home networks
- Thoughtful design. Responsible packaging

### 4K OLED Ambilight TV. Beautifully immersive

- Ambilight
- AmbiScape -sync your smart bulbs to the action
- Bright OLED screen. Lifelike picture in any light
- Whatever you watch, a picture so real. P5 engine with AI
- Cinematic viewing for everything you watch and play
- Immersive Surround sound technology

### Every show. Every film. Every game

- Whatever you watch, perfect TV sound. IntelliSound engine
- Quick and easy to find content with Titan OS
- Total Gaming Solution. Thrilling play for every gamer.

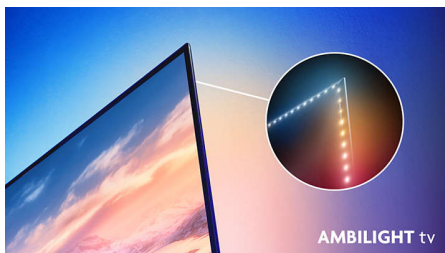
OLED

4K OLED Ambilight TV

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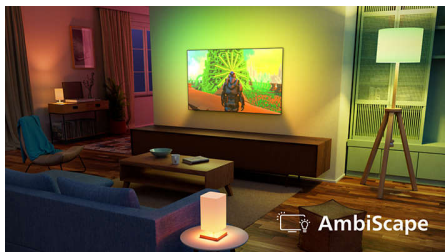
# Highlights

## Immerse yourself in what you love. Ambilight TV



Ambilight TVs are the only TVs with integrated LED lights on the back that react to what you watch, immersing you in a halo of colourful light. This changes everything: your TV seems bigger and you'll be drawn deeper into your favourite sports, films, music and games.

## 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.

## 4K OLED

The lifelike picture of this even brighter OLED TV always looks superb, even if viewed at an angle. Any changes to ambient lighting in your room are automatically compensated for whatever you're watching, blacks look black (not grey) and

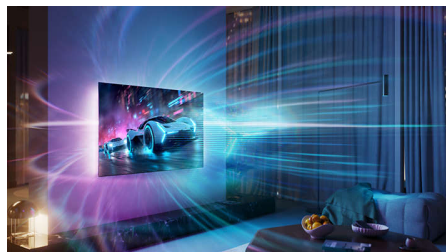
even the smallest details will leap from the shadows and bright areas. All major HDR formats are supported.

## P5 AI intelligent engine



Philips P5 processor with AI delivers a picture so real it feels like you could step straight into it. A deep-learning AI algorithm processes images in a manner similar to the human brain. Whatever you're watching, you get lifelike detail and contrast, rich colours and smooth motion.

## Cinematic viewing



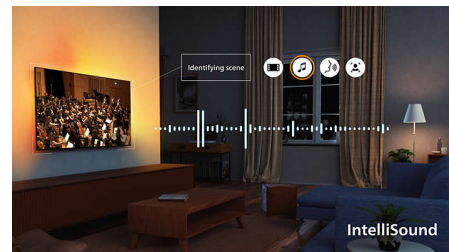
Hold onto the edge of your seat! With Dolby Vision 2 Max on board, you'll see more of the picture the director wanted you to see — no more disappointing scenes that are too dark to make out! From films to games, say hello to every glorious detail.

## Surround sound technology

Compatibility with Dolby Atmos and DTS:X takes the sound of this TV to another level, in any room. The latest films, the newest games, the

biggest sports events: with sound effects placed in the space above and around you, you'll feel like you're right in the middle of the action.

## IntelliSound



With our IntelliSound engine on board, your OLED TV 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.

## Philips Smart TV Titan OS



The Philips Smart TV Titan OS platform brings what you love to watch, and fast. From sequels to series and documentaries to drama, everything you want is there at the touch of a button. Whatever you're looking to watch, keep all the best streaming apps easily within your reach.

AMBILIGHT tv

AmbiScape

P AI Intelligent  
Picture Engine

IntelliSound

TITAN OS

matter

OLED

4K OLED Ambilight TV

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# Highlights

## Total Gaming solution

HDMI 2.1, up to 165 Hz native refresh rate and an ultra-low input lag. From indie games to AAA titles, this Ambilight TV gives you the specs you need to game how you want! For more control, Game Bar 2.0 lets you customise how you play, and you can connect to a Bluetooth controller for cloud gaming. PC gamers can enjoy VRR via HDMI.

## 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.

## Thoughtful design

This sleek bezel-less OLED screen looks sophisticated in any room, and Ambilight creates mesmerising mood lighting when the screen is off. Our packaging uses FSC-certified recycled cardboard and the inserts are printed on recycled paper.

# Specifications

## Ambilight

**Ambilight Features:** AmbiScape, Wall colour adaptive, Ambilight Music, Auto Ambilight, Ambilight FTI Animation, Ambilight Bootup Animation, Ambilight Suite, Gaming mode

**Ambilight Version:** 3-sided

## Picture/Display

**Diagonal screen size (inch):** 55 inch

**Diagonal screen size (metric):** 139 cm

**Display:** 4K Ultra HD OLED

**Panel resolution:** 3840x2160p

**Native refresh rate:** 120 Hz

**Picture engine:** P5 AI Perfect Picture Engine

**Picture enhancement:** Auto Film & Filmmaker Mode, Perfect Natural Motion, Personal, Monitor, Micro Dimming Premium, ECO, Calman Autocal Ready & Manual Calibration, Calman, Crystal Clear, Home Cinema, HDR10+ compatible, MEMC / FRC Embedded

**Variable Refresh Rate:** 165 Hz

## Display input resolution

**Resolution-Refresh rate:** 640x480-60Hz, 720p-

50Hz,60Hz, 576p-50Hz, 1920 x 1080p

-24/25/30/50/ 60/100/120/165Hz, 2560 x 1440

- 24/25/30/50/ 60/100/120/165Hz, 3840x2160p

- 24/25/30/50/60/100/120/165Hz

## Tuner/Reception/Transmission

**Digital TV:** DVB-T/T2/T2-HD/C/S/S2

**Teletext:** 1000 page Hypertext

**HEVC support**

## Smart TV

**SmartTV apps\*:** Amazon Prime Video, Disney+, Apple TV, Netflix\*, NFT app\*, TITAN channel, YouTube, HBO

**OS:** TITAN OS

**Memory size (Flash)\*:** 8GB

## Smart TV Features

**Interactive TV:** HbbTV

**Voice assistant\*:** RC with Mic., Works with

Google Home, Works with Alexa

**Smart Home experience:** Control4, MATTER, Works with Google Home, Works with Amazon Alexa

**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:** 2.2 Channel

**Output power (RMS):** 70 W

**Speaker configuration:** 4 x 10 W+2 x 15 W

**Codec:** DTS:X, Dolby Digital MS12 V2.8

**Sound Enhancement:** Dolby Atmos Virtualizer, Dialogue, Entertainment, Music, Original

**Headphone Features:** Dolby Atmos for Headphone

**Sound Engine:** IntelliSound

**Main Speaker:** Super Slim Full Range + Tweeter

**Woofer:** 20mm Slim Bass Reflex

## Connectivity

**EasyLink 3.0**

**Number of HDMI connections:** 4

**HDMI features:** Audio Return Channel, 4K, ALLM (Auto Low Latency Mode)

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

**Number of USBs:** 2

**Wireless connection:** Wi-Fi 802.11ax, 2x2, Dual band, Bluetooth 5.4, easy-pair (RC blue button), Works with Apple AirPlay

**HDCP 2.3:** Yes on all HDMI

**HDMI ARC:** HDMI 3

**HDMI 2.1 features:** eARC on HDMI 3, VRR on all HDMI ports, 4K 165Hz 10bits 4:2:2, HDR on all HDMI ports, ALLM on all HDMI ports, Max 48Gbps data rate

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

# Specifications

## Supported HDMI video features

**HDMI 1/2:** HDMI 2.1 full bandwidth 48Gbps, upto 4K 165Hz

**Gaming:** ALLM, AMD FreeSync Premium, Dolby Vision Game, HGiG, HDMI VRR, Nvidia G-Sync compatible

**HDMI 3/4:** HDMI 2.1 Bandwidth 48Gbps, upto 4K 165Hz

**HDR:** HDR10, HDR10+ Compatible, HLG, Dolby Vision 2 Max

## EU Energy card

EPREL registration numbers: 2687062

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:

71 kWh/1000h

Off mode power consumption: N.A.

Networked standby mode: 2.0 W

Panel technology used: OLED

## Power

**Mains power:** AC 100 – 240 V 50/60 Hz

**Standby power consumption:** <0.3W

**Power Saving Features:** Auto switch-off timer, Eco mode, Light sensor, Picture mute (for radio)

## Accessories

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

## Design

**Colours of TV:** Metal bezel frame

**Stand design:** Circle Cut Central plastic gun metal

## Dimensions

**Distance between 2 stands:** 499 mm

**Wall-mount compatible:** 300 x 300 mm

**TV without stand (W x H x D):**

1225 x 701 x 40 mm

**TV with stand (W x H x D):** 1225 x 774 x 239 mm

**Package carton (W x H x D):**

1400 x 890 x 160 mm

**Weight of TV without stand:** 14.90 kg

**Weight of TV with stand:** 17.59 kg

**Weight incl. packaging:** 22.51 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](http://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](http://www.philips.com/TVRemoteapp)

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