



## Signage 4050 Series

86"

24/7 operation

Wave ready



86BDL4050Q

## Philips Signage 4050 Series

Efficiency made easy – your versatile 24/7 display

Inform and enthrall with Philips Signage 4050. UHD resolution is matched with enhanced brightness and high haze, and the efficiency of the tried and tested Android 10 SoC. Wave-ready for remote management, putting you in full control.

### Easy operation

- Remote management with Philips Wave
- Add optional Philips ScreenShare

### Energy Star compliant. EPEAT Silver rating

- Supporting business sustainability and energy savings.

### Advanced connectivity options and UHD resolution

- Add optional CRD22 module for easy Wifi
- OPS slot allows for PC embedding without cabling

### 24/7 operation

- 500 cd/m2 brightness
- Higher haze rate for better visibility
- Easily mounted in landscape or portrait.

### Plug and play with Android 10

- Proven reliability. No need for external media player.

# Highlights

## 24/7 operation

With 500 cd/m<sup>2</sup> brightness for better visibility, the Philips Signage 4050 display is designed to be used 24/7, making it a great selection for travel and transportation hubs, retail centres, food and beverage locations, and more. FailOver is also included enabling your display to switch automatically between primary and secondary inputs should an outage occur.

## Versatile orientation

Install in portrait or landscape orientations, with size variants to suit a range of installation purposes across the range of settings and industries.

## Plug and play with Android 10

Tried, tested, and proven intuitive user experience, with a professional Android 10 SoC built in for easy apps and solutions integrations and no need for an external media player.

## Wave ready

Manage your display and control content remotely with Philips Wave Controller – your evolutionary ecosystem designed to support time, energy and cost efficiencies. Discover software applications to support your interactive vision from our network of proven partners on the PPDS ProStore.

## Wireless screen sharing

Add in the fully secure and GDPR-compliant optional Philips ScreenShare presentation software for instant and effortless content sharing, using any device, on any network, and without additional hardware.

## Energy Star compliant. EPEAT Silver rating

Supporting business sustainability and energy savings, with power saving features and using more environmentally friendly materials on the product and in the packaging.

## Advanced connectivity options

With a range of input options for easy content control, simply add in a CRD22 module to bring the power of Wifi into the mix.

## Ultra HD resolution

Advanced quality brings stunning contrast for the richest colours and the clearest picture to captivate passers by and draw customers in.

# Specifications

## Picture/Display

**Diagonal screen size (metric):** 217.4 cm  
**Diagonal screen size (inch):** 85.6 inch  
**Aspect ratio:** 16:9  
**Panel resolution:** 3840 x 2160  
**Pixel pitch:** 0.4935 x 0.4935 mm  
**Optimum resolution:** 3840 x 2160 @ 60 Hz  
**Brightness:** 500 cd/m<sup>2</sup>  
**Display colors:** 1.07 Billion  
**Contrast ratio (typical):** 1200:1  
**Dynamic contrast ratio:** 500,000:1  
**Response time (typical):** 8 ms  
**Viewing angle (horizontal):** 178 degree  
**Viewing angle (vertical):** 178 degree  
**Picture enhancement:** 3/2 - 2/2 motion pull down, Progressive scan, Dynamic contrast enhancement  
**Panel technology:** ADS  
**Operating system:** Android 10  
**Haze:** 25%

## Connectivity

**Audio output:** 3.5mm jack  
**Video input:** USB 2.0 (x2), DVI-I (x 1), HDMI 2.0 (x2), USB 3.0 (x1)  
**Audio input:** 3.5 mm jack  
**Other connections:** micro SD, OPS  
**External control:** RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack, RJ45

## Convenience

**Placement:** Landscape (24/7), Portrait (24/7)  
**Tiled Matrix:** Up to 3 x 3  
**Keyboard control:** Hidden, Lockable  
**Remote control signal:** Lockable  
**Signal loop through:** RS232, IR Loopthrough  
**Ease of installation:** Smart Insert  
**Energy saving functions:** Smart Power  
**Network controllable:** RS232, RJ45

## Sound

**Built-in speakers:** 2 x 10W RMS

## Power

**Mains power:** 100 - 240V~, 50/60Hz  
**Standby power consumption:** <0.5W  
**Power Saving Features:** Smart Power  
**Energy Label Class:** D  
**EELot5 power consumption (W):** 100  
**EPEAT certification:** EPEAT Silver

## Supported Display Resolution

**Computer formats:** 720 x 400, 70Hz, 640 x 480, 60,67,75Hz, 800 x 600, 60Hz, 832 x 624, 75Hz, 1024 x 768, 60Hz, 1152 x 870, 75Hz, 1280 x 720, 60Hz, 1920 x 1080, 60Hz, 1680 x 1050, 60Hz, 3840 x 2160, 30, 60Hz  
**Video formats:** 480i, 60Hz, 480p, 60Hz, 576p, 50Hz, 576i, 50Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 50, 60Hz, 3840 x 2160, 30, 60Hz

## Dimensions

**Set Width:** 1929.0 mm  
**Product weight:** 49.06 kg  
**Set Height:** 1100.0 mm  
**Set Depth:** 69.5mm(D@wall mount) / 91.8mm(D@handle) mm  
**Set Width (inch):** 75.94 inch  
**Set Height (inch):** 43.31 inch  
**Wall Mount:** 600 mm x 400 mm, M8  
**Set Depth (inch):** 2.74(@ wall mount)/ 3.61(@ handle) inch  
**Bezel width:** 15.5 mm (Even bezel)  
**Product weight (lb):** 108.16 lb

## Operating conditions

**Altitude:** 0 ~ 3000 m  
**Temperature range (operation):** 0 ~ 40 °C  
**MTBF:** 50,000 hour(s)  
**Temperature range (storage):** -20 ~ 60 °C  
**Humidity range (operation)[RH]:** 20 ~ 80% RH (No condensation)  
**Humidity range (storage) [RH]:** 5 ~ 95% RH (No condensation)

## Multimedia Applications

**USB Playback Video:** MPEG 1/2 (1080p 60Hz), MPEG 4 (1080p 60Hz), H.263 (1080p 60Hz), H.264 (4K2K 60Hz), H.265 (4K2K 60Hz), VP8 (1080p 60Hz), VP9 (4K2K 60Hz)  
**USB Playback Picture:** JPEG, PNG, BMP, WEBP  
**USB Playback Audio:** AAC, HEAAC, MPEG 1/2/2.5 Layer 3, MPEG 1/2 Layer 1, MPEG 1/2 Layer 2

## Internal Player

**CPU:** Quad Core Cortex A55  
**GPU:** G52 MC1  
**Memory:** 16GB, 3GB DDR

## Accessories

**Included Accessories:** RS232 daisy-chain cable, Philips logo (x1), AC Power Cord, AC Switch Cover, Quick start guide, Remote control & AAA batteries, RS232 cable, USB Cover (x1)

## Miscellaneous

**On-Screen Display Languages:** Simplified Chinese, Traditional Chinese, English, French, German, Italian, Polish, Russian, Spanish, Turkish, Japanese, Arabic  
**Warranty:** 3 year warranty  
**Regulatory approvals:** CE, CB, FCC, Class A, VCCI, RoHS, UL

