

# PHILIPS

Q-Line Display

Signage Solutions

49"

3840 x 2160 (4K UHD)

Ultra HD

49BDL3050Q



## Show more

Simple, smart, sharp 18/7 display.

Turn up the stopping power with the Q-Line UHD Android display that goes big on resolution. Benefit from fast, hardware-free installation and superb picture quality. Easily display online and local content.

### **Superb picture. Smooth performance**

- Ultra-HD. Rich images. Stunning contrast
- IPS panel: rich colour consistency from every angle
- Android SoC processor. Native and web apps

### **Effortless setup. Total control.**

- Operate, monitor and maintain with CMND and Control
- CMND and Create. Develop and launch your own content
- CMND & Deploy. Install and launch apps remotely
- Remote system management through CMND

### **Cost-effective system solution**

- Energy-saving automatic backlight control
- Integrated media player. Easily schedule USB content
- Integrated HTML5 browser. Play and control online content
- Internal memory. Upload content for instant play

# Highlights

## Powered by Android

Control your display via an Internet connection. Android-powered Philips Professional Displays are optimised for native Android apps and you can install web apps directly to the display too. A new Android OS ensures the software is kept secure and stays up to date with the latest specification for longer.

## CMND

Take control of your Philips Professional Display network. CMND lets you manage, update, maintain and play via one easy-to-use interface. From installation to daily operation.

## CMND and Control



Run your display network over a local (LAN) connection. CMND and Control allows you to perform vital functions like controlling inputs and monitoring display status. Whether you're in charge of one screen or 100.

## CMND and Create



Take control of your content with CMND and Create. A drag-and-drop interface makes it simple to publish your own content, whether it's a daily specials board or branded corporate

information. Preloaded templates and integrated widgets ensure that your stills, text and video will be up and running in no time.

## CMND & Deploy

Quickly install and launch any app - even when you're off site and working remotely. CMND & Deploy lets you add and update your own apps, as well as apps from the Philips Professional Display App Store. Simply scan the QR code, log in to the store and click on the app you want to install. The app will be automatically downloaded and launched.

## Internal memory

Save and play content without the need for a permanent external player. Your Philips professional display has an internal memory, which allows you to upload media into the display for instant playback. The internal memory also functions as a cache for online streaming.

# Specifications

## Picture/Display

**Diagonal screen size (metric):** 123.2 cm  
**Diagonal screen size (inch):** 48.5 inch  
**Aspect ratio:** 16:9  
**Panel resolution:** 3840 x 2160  
**Pixel pitch:** 0.27963 x 0.27963 mm  
**Optimum resolution:** 3840 x 2160 @ 60 Hz  
**Brightness:** 350 cd/m<sup>2</sup>  
**Display colours:** 1.07 Billion  
**Contrast ratio (typical):** 1200:1  
**Response time (typical):** 9 ms  
**Viewing angle (horizontal):** 178 degree  
**Viewing angle (vertical):** 178 degree  
**Picture enhancement:** 3/2 - 2/2 motion pull down, 3D Combfilter, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement, Colour Enhancement, Colour Temperature Adjustment, De-interlacer, Noise Reduction, Smart Picture  
**Panel technology:** IPS  
**Operating system:** Android 5.0.1

## Connectivity

**Audio output:** Audio Left/Right (RCA)  
**Video input:** DVI-D, VGA (Analogue D-Sub), HDMI (x 2), USB 2.0 (x 2)  
**Audio input:** 3.5 mm jack  
**External control:** RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack, RJ45

## Convenience

**Placement:** Landscape (18/7), Portrait (12/7)  
**Tiled Matrix:** Up to 10 x 15  
**Screen-saving functions:** Pixel Shift, Low

## Brightness

**Keyboard control:** Lockable  
**Remote control signal:** Lockable  
**Signal loop through:** IR Loop through, RS232  
**Ease of installation:** Remote Control Lock  
**Energy-saving functions:** Smart Power  
**Other convenience:** Kensington lock, VESA mount (400 x 400 mm)  
**Network controllable:** LAN (RJ45), RS232  
**Memory:** 8 GB eMMC

## Sound

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

## Power

**Mains power:** 100 ~ 240 VAC, 50 ~ 60 Hz  
**Consumption (On mode):** 125 W  
**Standby power consumption:** <0.5 W  
**Power Saving Features:** Smart Power

## Supported Display Resolution

**Computer formats:** 640 x 480, 60, 72, 75 Hz, 720 x 400, 70 Hz, 800 x 600, 60, 75 Hz, 1024 x 768, 60, 75 Hz, 1280 x 768, 60 Hz, 1280 x 800, 60 Hz, 1280 x 1024, 60 Hz, 1360 x 768, 60 Hz, 1600 x 1200, 60 Hz, 1920 x 1080, 60 Hz, 3840 x 2160, 30, 60 Hz  
**Video formats:** 480i, 30, 60 Hz, 480p, 30, 60 Hz, 576i, 25, 50 Hz, 576p, 25, 50 Hz, 720p, 50, 60 Hz, 1080i, 25, 30 Hz, 1080p, 50, 60 Hz, 2160p, 30, 50, 60 Hz

## Dimensions

**Set Width:** 1099.2 mm  
**Product weight:** 11.4 kg  
**Set Height:** 631.9 mm  
**Set Depth:** 62.4 mm  
**Set Width (inch):** 43.28 inch  
**Set Height (inch):** 24.88 inch  
**Wall Mount:** 400 x 400 mm, M6  
**Set Depth (inch):** 2.46 inch  
**Bezel width:** 11.9 (Top/Left/Right) 14.4 (Bottom) mm  
**Product weight (lb):** 25.13 lb

## Operating conditions

**Altitude:** 0 ~ 3000 m  
**Temperature range (operation):** 5 ~ 40 °C  
**MTBF:** 50,000 hour(s)  
**Relative humidity:** 20 ~ 80 (operation), 10 - 90% (storage) %  
**Temperature range (storage):** -20 ~ 60 °C

## Multimedia Applications

**USB Playback Video:** ASF, AVI, DAT, FLV, MKV, MP4, MPEG, MPG, TS, VOB, WEBM, WMV  
**USB Playback Picture:** BMP, JPEG, JPG, PNG  
**USB Playback Audio:** AAC, M4A, MP3, WMA

## Internal Player

**CPU:** ARM Quad-core processor  
**Memory:** 2 GB DDR3  
**Storage:** 8 GB eMMC

## Accessories

**Included accessories:** AC Power Cord, RS232 cable, Quick start guide, IR sensor cable (1.8 M), Batteries for remote control, Remote Control  
**Included Accessories:** RS232 daisy-chain cable, USB Cover and screw x 1  
**Optional accessories:** Tabletop stand  
**Stand:** BM05923/BM02542/BM05922

## Miscellaneous

**On-Screen Display Languages:** Arabic, Simplified Chinese, Traditional Chinese, English, French, German, Italian, Polish, Russian, Spanish, Turkish, Japanese, Czech, Danish, Dutch, Finnish, Norwegian, Portuguese, Swedish  
**Warranty:** 3 year warranty  
**Regulatory approvals:** CE, UL/cUL, CB, FCC, Class B, BSMI, CCC, EAC, EMF, EnergyStar 7.0, PSB, CECP

Philips 49BDL3050Q  
 Version: 1.0  
 Release Date: 2017/06/25

