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## Integrated Plug & Play LED Display

**Philips Candeo 120" LED screen, easily to install  
for a multitude of applications**

Extensive research has shown that out-of-home dynamic communication is becoming increasingly important as this form of media develops rapidly across the world. The most effective communication in larger indoor and outdoor environments occurs from a distance of 5 to 50 meters.

Until now, there was no suitable solution that could overcome the issue of size for full impact and the ambient light conditions. Traditional plasma and LCD displays cannot communicate effectively in these situations due to their limited size and brightness. Other LED solutions require assembly and complicated installation.

Therefore Philips LED Display solutions developed the Candeo range of LED displays, a Plug and Play LED display solution with a long lifetime. These seamless Philips LED-based screens, display all content with ultra-high brightness so viewing is crystal clear, even in bright ambient conditions. Making them perfect for the retail, transport, entertainment and leisure markets.

**PHILIPS**  
sense and simplicity

# Philips Candeo 120" integrated Plug & Play LED display solution

- Available for indoor and outdoor application
- 120" diagonal LED screen with 16:9 aspect ratio
- Ultra high brightness for perfect readability, even in full daylight
- Dynamic Power Control to reduce power consumption
- Ideal for viewing from 5-50 metres for large audience viewing
- Connects directly to a standard mains power socket
- Connect to any auxiliary source (analog/digital)\*

## System components

### Only for outdoor version



#### Delta SP520 signal processor

Formats DVI input signals for transmission to Candeo, via multi-mode fiber cable.

Includes:

- 1x European power cable
- 1x multi-mode fiber cable
- 1x DVI cable
- 1x RS232 cable

Dimensions: 483 x 280 x 89 mm

Weight: 5.2 kg

IP rating: IP30 indoor use

Distance to the display: up to 800 m

Type: VWU200 01 – 12NC: 91500000201



#### VP520 video processor

Decodes and scales a variety of input sources into DVI signal suitable for signal processor.

Includes:

- 1x European power cable
- 1x RS232 cable

Dimensions: 483 x 305 x 87 mm

Weight: 6.1 kg

IP rating: IP30 indoor use

Type: VWU100 01 – 12NC: 91500000191

### Remote Equipment (for outdoor version)

VP520 video processor and SP520 signal processor (both supplied) are separate from Candeo screen and located remotely e.g. in a control room. Link between locations is via 2-core fiber cable.

## Accessories

### Floor-standing Pedestal (indoor)

The pedestal provides an elegant, versatile and safe floor-mount for Candeo indoor screens. Stylish curved support arms provide a sturdy mounting yet retain a lightweight look. Modular construction for easy handling and transport. Cables run inside pedestal for neat appearance.

Weight (excl. Candeo): 210 kg

Colour: Grey

Suitable for indoor use only

Type: VWAB11 01 – 12NC: 91500000242

### Wall Bracket (indoor and outdoor)

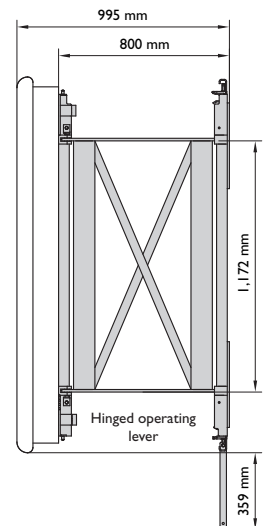
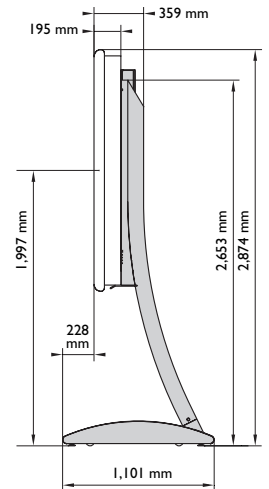
The bracket enables a Candeo screen to be mounted flat against a wall, with a minimum of depth behind the Candeo. Bracket is completely invisible from in front of Candeo. The bracket allows the Candeo to be hinged 800 mm away from the wall for easy maintenance. As the Candeo pivots outwards, it moves also sideways by approx. 800 mm. The direction of sideways movement is selectable, left- or right-handed. Bracket can be locked in normal position to prevent unauthorised opening.

Weight (excl. Candeo): 140 kg

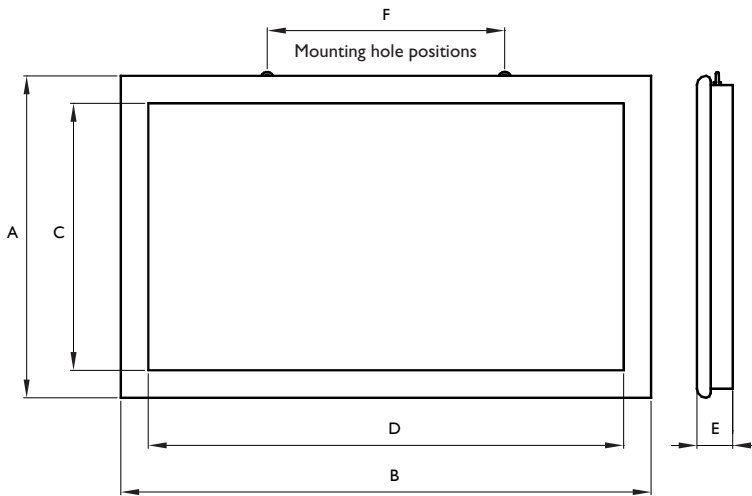
Color: Black

Suitable for indoor and outdoor use

Type: VWAB01 01 – 12NC: 91500000222



\* for Indoor Candeo only. Candeo 10 Outdoor needs additional Video Processor (VP520).



Pitch	A	B	C	D	E	F
Indoor version	1,758	2,892	1,458	2,592	195	1,269
Outdoor version	1,758	2,892	1,458	2,592	226	1,269

All dimensions in millimeters

#### Self-contained LED Screen (indoor only)

Simply connect your image source to the rear connection panel, plug-in the mains supply and switch on, to enjoy bright, vibrant, flicker-free images.

#### ASP™

Anti-Solarization Processing is Philips' proprietary combination of true 48 bit color (16 bit per color) processing with true 16 bit LED driver technology that completely eliminates disturbing solarization effects commonly visible in dark scenes on LED screens.

#### SmoothPix™

The excellent picture quality of Philips LED displays is due to the exceedingly high quality LEDs used in their manufacture. SmoothPix™ calibration further improves LED matching by measuring and adjusting each LED during factory alignment, resulting in perfect brightness and color uniformity.

#### DPC™

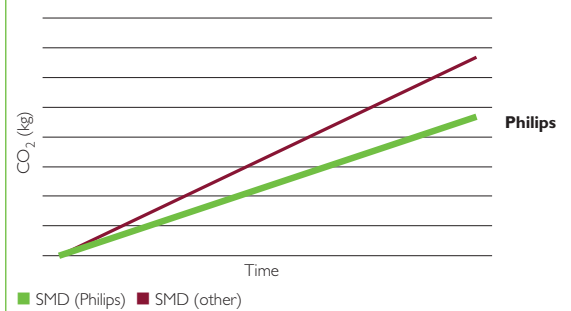
Dynamic Power Control dynamically limits the peak power within a panel to a predetermined value. Small, bright areas are boosted to peak output levels whilst large area brightness is limited to enable Candeo to be operated from a regular European mains socket.

#### Large Selection of Inputs

Candeo is provided with a large selection of inputs, both analogue and digital, ensuring great versatility.

Indicator LEDs on the connection panel show the presence of sync pulses on each of the three main input signal types and also indicate serial data flow.

#### Carbon emissions



### Technical Specifications Philips Candeo 120" LED screens

Products				
Model	Candeo 4-120i Indoor version	Candeo 6-120i Indoor version	Candeo 10-120i Indoor version	Candeo 10-120 Outdoor version
Type	VWL015 L B12 MK CI	VWL025 L B20 LH CI	VWL035 L B20 JG CI	VWL030 E B50 JG CI
I2NC	915000000611	915000000621	915000000631	915000000701
Picture / Display				
Brightness	1,200 cd/m <sup>2</sup>	2,000 cd/m <sup>2</sup>	2,000 cd/m <sup>2</sup>	5,000 cd/m <sup>2</sup>
Panel resolution	576 x 324 pixels	384 x 216 pixels	256 x 144 pixels	256 x 144 pixels
Pixel pitch	4.5 mm	6.75 mm	10.125 mm	10.125 mm
Viewing angle (left/right)		160°		150°
Viewing angle up		160°		30°
Viewing angle down		160°		50°
Power consumption	3,200 VA	2,600 VA	2,500 VA	3,200 VA
Environmental				
Ambient operating temperature		+5° to +35°C		-20° to +40°C
Relative humidity		0% to 95%		0% to 95% non-condensing
Ingress protection		IP20		Front: IP65, rear: IP44
Physical				
Weight	394 kg (867 lb)	363 kg (799 lb)	350 kg (770 lb)	428 kg (942 lb)

## Technical Specifications Philips Candeo 120" LED screen (indoor and outdoor)

Picture / Display	
Aspect ratio	16:9
Diagonal screen size	117 inch / 2974 mm
Display screen type	3 in 1 SMD LED
Picture enhancement	ASP™, SmoothPix™, DPC™
Colour temperature	6,500 K
Colour resolution	45 bits
Contrast ratio	>10,000:1
Supported Picture Input Standards	
DVI-D Input (non HDCP)	800 x 600, 1,024 x 768, both at 50 & 60 Hz
Analogue Video Inputs	CVBS1 / CVBS2, YC1 / YC2, PAL, NTSC, SECAM RGBS, YPrPbS, 525/60 interlaced & 625/50 interlaced
SDI Input	BT.601, BT.656, SMPTE 125M (SD), SMPTE 260M (HD), SMPTE 295M (HD) SMPTE 296M (HD). All up to 1,920 x 1,080i (2:1) or 1,280 x 720p (1:1)
Connectivity	
DVI-D Input	24-pole female DVI connector
CVBS1 / Y1 Input	75 Ohm female BNC connector. 1.0V pp. into 75 Ohm.
CVBS2 / C1 Input	75 Ohm female BNC connector. 1.0V pp. into 75 Ohm.
R/Pr Input	75 Ohm female BNC connector. 0.7V pp. into 75 Ohm.
G/Y Input	75 Ohm female BNC connector. 1.0V pp. into 75 Ohm.
B/Pb Input	75 Ohm female BNC connector. 0.7V pp. into 75 Ohm.
SYNC Input	75 Ohm female BNC connector. 0.3V pp. into 75 Ohm.
YC2 Input	4-pole female mini DIN connector. 1.0V pp. into 75 Ohm.
SDI Input	75 Ohm female BNC connector
RS232	9-pole female D-connector
USB	USB type B male connector
Mounting	
Lifting eyes	2 x M20 lifting eyes in top surface
Rear attachment	12 x M8 threaded holes on rear
Rear keypad / LCD Display	
16 preset configurations	Enables instant recall of 16 different screen configurations e.g. selected input, PIP (Picture in Picture)
Software Application for Remote Control	
Supplied software application	Enables remote control of input source selection and brightness
Built-in test patterns	Software application enables selection of test patterns
Configuration of presets	Up to 16 different presets may be configured and then recalled
Connects via RS232	To Candeo via RS232 port
Compatible	Microsoft® Windows® XP*
Power	
Mains voltage	200-240 V AC 50/60 Hz
Mains connector	IEC C20
Approvals	RoHS compliant, CE approved, FCC
Accessories	
Included accessories	Mains cable, RS232 cable, control software, user manual.

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