



LED Display

- 31"
- Direct View LED

31BDL7224L/00

Unleash your imagination even more

LED Display for every form and shape

No limits. No boundaries. Philips L-Line 7000 series is an LED signage solution for endless possibilities in shape and size. Seamless linking and multiple size options enable truly unique displays of any dimension for perfect results.

Benefits

Ready for impact

- Forms any shape, L-shape corner, or curvature
- Conformal coating and ingress protection
- High brightness: 1200 nits / peak 1600 nits

Next level performance

- Philips Active Health Monitoring
- Factory calibrated
- Dynamic Panel Connect

Endless possibilities

- Optional bevelled corners allow curved displays
- Seamless linking for perfect imagery
- Dynamic Power Saving
- Available in 3 dimensions

Features

L-shape corner, or curvature

The Philips L-Line 7000 series LED panels come with a height of 25 cm and are available in 50 cm, 75 cm and 100 cm widths. These displays are ready to be installed in any landscape format with no limitations to size. Also available

with bevelled corners to form curved designs in both convex and concave formats.

PHILIPS

Active Health Monitoring

Achieve perfection through precision. Active Health Monitoring makes maintenance fast, simple, and predictable by displaying the exact item of failure and location. Utilising this software that works in real-time both online and offline, replacing the relevant part becomes an efficient process, and a must for display owners with many geographical locations.

Factory calibrated

Every Philips L-Line LED panel is calibrated in our factory under perfect circumstances. That means there's no need for further calibration on location, resulting in quicker installations. Calibration and configuration files are available to ensure fast maintenance.

Dynamic Panel Connect

Mix and match each of the Philips L-Line 7000 LED panel sizes to form a single display of any shape and dimension. Dynamic flexible alignment pins ensure a perfect fit in any circumstance - resulting in a smooth, seamless display surface. For added convenience and efficiency, each LED panel features openings on each side to allow for versatile wired connection between the LED panels and any external input connection. Openings on the top and bottom of the LED panel can be popped out in case access is only available from the top or bottom of the panel.

Optional bevelled corners

Create bezel-free displays of any shape, size or resolution. The modular design of Philips Professional LED panels means you can adapt to any space. Build vast, immersive installations or assemble intriguing patterns. Easily create displays that flow seamlessly around doorways and other openings. Even

corners and curved displays become easy to create with the new Philips 7000 series.

Perfect imagery

Your Philips Professional LED Display features built-in cable wiring to keep power and data cables tidy. Display panels are daisy-chained for both power and data, allowing you to minimise clutter and speed up installation.

Dynamic Power Saving

Philips Professional LED Displays use high-performance LEDs, which are tested thoroughly, energy efficient and cost effective. Furthermore, enhanced technology allows the display to dynamically save on power consumption.

Ingress protection

Dust, dirt, fungus and moisture resistant conformal coating protects this product and enables easier maintenance. IP30 rated and certified against ingress for reduced chance of short circuit from dust and corrosion.

Fire retardant design

Fire retardant design slows down the spread of flames in the event of fire, and help protect the structural integrity of the LED panel in case of fire. Tested and certified with European standard B1 DIN4102, British standard (BS476-7), and North-American standard UL94.

Optional easy mount brackets

Patented easy-mount brackets make installation even faster. These optional items are available for flat LED mounting, convex curved (177.5/175/172.5 degree), and L-shape 90 degree corners.

Specifications

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Picture/Display

Color temperature default	6500±500 K
Color temperature adjust range	4000~9500 K (by software)
Viewing angle (horizontal)	160 degree
Viewing angle (vertical)	160 degree
Calibration(brightness/color)	Supported
Refresh rate(Hz)	2100~3900 (14 bits: 3900Hz)
Frame frequency (Hz)	50 & 60
Aspect ratio	3:1
Picture enhancement	Wide color gamut display
Placement	Landscape
Usage	Indoor
Brightness uniformity	>=97%
Brightness before calibration	1200 nits
Brightness after calibration	900 nits
Contrast ratio (typical)	3500:1

Convenience

Signal control loop through	RJ45
Ease of installation	Guide pins Light weight
Power loop through	For 230V environments: 12 cabinets or less, for 110V environments: 6 cabinets or less, 10A max

Operating conditions

Temperature range (operation)	-20~45 °C
Temperature range (storage)	-20~50 °C

Humidity range (operation)[RH]	10~80%
Humidity range (storage) [RH]	10~85%

Power

Input voltage	AC100~240V (50 & 60Hz)
Max. power cons. BC (W)	<115
Typical power cons. (W)	<31.67
Black screen power cons. (W)	<10
Max. power cons. AC (W)	<95

Miscellaneous

Warranty	2 years
Regulatory approvals	EN55032 EN55035 EN61000-3-2 EN61000-3-3 IEC/UL60950 IEC/UL62368 IEC62471 RoHS FCC SDOC, Part 15, Class A BS 476 Part7:1997 UL94 DIN4102-1
Fire retardancy certification	hub board, backside LED module
Conformal coating	

Cabinet

Cabinet size (mm)	750x250x40
Side angle (degree)	90
Cabinet diagonal (inch)	31.1"
Cabinet resolution (W x H)	312x104

Weight (KG)	4.76 (±240g)
Cabinet pixels (Dot)	32.448
Cabinet area (m2)	0.1875
Power connector	3 core socket (C14 in, C13 out)
Data connector	RJ45
Cabinet construction	Die-Casting Aluminum
Receiving card quantity	1 pcs
Receiving card spec.	A5S plus
Receiving card brand	NovaStar

Module

LED type	SMD 1515 Copper wire
Pixel constitution	1R1G1B
LED lifetime(Hrs)	100,000 at half brightness
Pixel pitch (mm)	2.4

Module resolution (WxH pixels)	104x104
Module size (WxH in mm)	249.9*249.9

Accessories

Power cable	2 pcs
LAN cable (RJ45, CAT-5)	2 pcs
QSG	1 pcs

Packaging Data

Dimension of packaging (mm)	1056x392x221
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data subject to change
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