PHILIPS

LED Display

Signage Solutions

31''

Direct View LED

31BDL7319L

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.

Next level performance
- Dynamic Panel Connect
- Factory calibrated
- Philips Active Health Monitoring

Endless possibilities
- Available in 3 dimensions
- Dynamic Power Saving
- Seamless linking for perfect imagery
- Bevelled corners allow curved displays

Ready for impact
- Conformal coating and ingress protection
- Forms any shape, L-shape corner, or curvature
- Fire retardant design

Highlights

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.

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.

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.

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.

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.

L-shape corner, or curvature
The Philips L-Line 7000 series LED panles 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.

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.

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.

Bevelled corners allow curved
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.

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 Fire Safety Certifications.

Specifications

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

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

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

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%

Cabinet
Cabinet area (m2): 0.1875
Cabinet pixels (Dot): 49152
Cabinet resolution (W x H): 384 x128
Cabinet size (mm): 750x250x40
Data connector: RJ45
Power connector: 3 core socket (C14 in, C13 out)
Receiving card quantity: 1 pcs
Receiving card spec.: A5S Plus
Receving card brand: Novastar
Weight (KG): 4.62Kg (±231g)
Cabinet diagonal (inch): 31.1"
Cabinet construction: Die-Casting Aluminum
IP rating: IP30
Side angle (degree): 45

Module
LED type: SMD 1515 Copper wire
Pixel constitution: 1R1G1B
LED lifetime(Hrs): 100,000 at half brightness
Module resolution (WxH pixels): 128x128
Pixel pitch (mm): 1.9
Module size (WxH in mm): 249.9x249.9 (tolerance: +0.05 / -0.1)

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

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, EAC
Fire retardancy certification: BS 476 Part7:1997, DIN4102-1, UL94
Conformal coating: Yes (LED Module Bottom side and HUB board)

Packaging Data
Dimension of packaging (mm): 950x421x224

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