



Planar DirectLight DL3.1

LED Video Wall System

The Planar® DirectLight® LED Video Wall System is a family of seamless, ultra-fine pitch direct view LED video walls that provide a superior visual experience, and 24x7 reliability tailored to your unique indoor environment.

Planar DirectLight LED video walls incorporate design principles gained from decades of successful video wall installations and is ideal for the most demanding control room and digital signage applications, providing a uniform and seamless canvas of nearly any size or shape.



SPECIFICATION	DETAIL
Product Name	DL3.1
Planar Part Number	997-8122-00
Pixel Pitch	3.13mm
Resolution (per LED Display Module)	128x96
Pixel Density (Pixels per LED Display Module)	12,288
Pixel Density	9,513 per sq. foot/102,400 per sq. meter
Gap Between LED Display Modules	Seamless
Bezel Width	None
LED Type	Commercial Grade 3-in-1 Black SMD
Pixel Configuration	SMD 3-in-1 (1R1G1B)
LED Configuration	1 Red, 1 Green, 1 Blue
LED Surround	Planar® MicroGrid Shader™, Black
Brightness, Uncalibrated, Calibrated	1,200, 900, adjustable
Brightness, Uniformity	97%
Software Brightness Control	100 steps
Viewing Angle, Horizontal	+/-80° (90% brightness)

Viewing Angle, Vertical	+80°/-75° (80% brightness)
Color Space	97% NTSC
Color Uniformity	97%
Colors	16.7 million
Color Temperature, Adjustable (k)	3,200-9,300, adjustable
Color Processing	16 bits
Contrast Ratio	5,000:1, adjustable
Frame Rate	50, 60 Hz
LED Refresh Rate	3,500 Hz
Power Consumption, Maximum (watts)	90 per sq. foot/967 per sq. meter
Power Consumption, Typical (watts)	19 per sq. foot/205 per sq. meter (Typical video content and indoor brightness)
Runtime Duty Cycle	24x7
Lifetime: Typical	100,000 hours to half brightness
Acoustic noise	Fanless Operation
Operating Temperature/Humidity (degrees F/C, relative humidity)	14 to 104/-10 to +40, 10-80%
Storage Temperature/Humidity (degrees F/C, relative humidity)	-4 to 140/-20 to +60, 10-85%
LED Display Module Size (W x H x D)	15.7" x 11.8" x 2.63" (400 mm x 300 mm x 66.8 mm)
LED Display Module Diagonal	19.7" (500 mm)
LED Display Module area	1.3 sq. feet (0.12 sq. meters)
Total Install Depth Including EasyAlign Mounting System	3.5" (89 mm) minimum, 4" (102 mm) maximum
LED Display Module Weight	11.5 lb (5.2 kg)
Total Install Weight	15.8 lbs/7.1 kg (LED Display Module and EasyAlign Mount)
Maximum Installed Height	Unlimited (LED Display Modules)
Maximum Installed Width	Unlimited (LED Display Modules)
Warranty	3 year Advance Exchange with 24x7 customer support. Extendable to 5 years.
Professional Services	Design, Configuration, Install and Service available
Adjustable Mount	Planar® EasyAlign™ Mounting System included

Mount Configurations (LED Display Modules width x height (Total LED Display Modules))	2x3 (6), 4x1 (4), 1x3 (3), 1x1 (1)
Environment	Indoor
Application	Fixed
IP Rating	IP40
Installation, Service	Front
LED Display Module Alignment Adjustment	6-axis Integrated
Standard Mounting Configurations	Fixed, Wall
Optional Mounting Configurations	Floor, Hanging from Truss, Concave, Curved via third parties
Regulation Compliance	NRTL, FCC Class A, CE Class A, WEEE, RCM, PSE, EN60950 and CISPER22/2010
Americans with Disability Act (ADA) Compliance	Yes
Power Supply Type	1U Rack Mount Controller
Redundancy	n+1 Redundant Power Supplies (optional)
Line Voltage	100-240 Volts AC, 50/60Hz auto switching
Power Status	Diagnostic LEDs
Maximum Distance from LED Display Module	200 feet/60 meters (max backlight)
Video Input Type	HDMI v1.4 with HDCP Compliance
Video Input Resolution Maximum	1920x1080 @ 50, 60 Hz
Video Signal Extension Options	CAT6 (HDBaseT), Fiber Optic
Maximum Distance from LED Video Interface	HDBaseT 326 feet/100 meters, Multimode fiber 984 feet/300 meters
Video Signal Redundancy	Optional
Video Extension Redundancy	Optional
Display Control	Planar® DirectLight™ Control Software included
Control Input Type	RS232 or Ethernet
UPC	8 10689 00303 8

For more information, please visit www.leyard.com

Specifications are subject to change without notice.

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