

# Planar DirectLight DL1.6

## 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 Planar's 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	DL1.6
Planar Part Number	997-8119-00
Pixel Pitch	1.67mm
Pixel Density (Pixels per LED Display Module)	43,200
Pixel Density	33,445 per sq. foot/360,000 per sq. meter
Resolution (per LED Display Module)	240x180
Brightness, Uncalibrated, Calibrated	1,200, 900, adjustable
Brightness, Uniformity	97%
LED Refresh Rate	2,100 Hz
Frame Rate	50, 60 Hz
Contrast Ratio	5,000:1, adjustable
Color Temperature, Adjustable (k)	3,200-9,300, adjustable
Viewing Angle, Horizontal	+/-80° (90% brightness)
Viewing Angle, Vertical	+80°/-75° (80% brightness)
Gap Between LED Display Modules	Seamless
Bezel Width	None
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)

<b>LED Display Module area</b>	1.3 sq. feet (0.12 sq. meters)
<b>Maximum Installed Height</b>	Unlimited (LED Display Modules)
<b>Maximum Installed Width</b>	Unlimited (LED Display Modules)
<b>Total Install Depth Including EasyAlign Mounting System</b>	3.5" (89 mm) minimum, 4" (102 mm) maximum
<b>LED Display Module Weight</b>	11.5 lb (5.2 kg)
<b>Total Install Weight</b>	15.8 lb/7.1 kg (LED Display Module and EasyAlign Mount)
<b>Power Supply Type</b>	1U Rack Mount Controller
<b>Line Voltage</b>	100-240 Volts AC, 50/60Hz auto switching
<b>Power Consumption, Maximum (watts)</b>	90 per sq. foot/967 per sq. meter
<b>Power Consumption, Typical (watts)</b>	19 per sq. foot/205 per sq. meter (Typical video content and indoor brightness)
<b>Control Input Type</b>	RS232 or Ethernet
<b>Video Input Type</b>	HDMI v1.4 with HDCP Compliance
<b>Lifetime: Typical</b>	100,000 hours to half brightness
<b>Regulation Compliance</b>	NRTL, FCC Class A, CE Class A, WEEE, RCM, PSE, EN60950 and CISPER22/2010
<b>Warranty</b>	3 year Advance Exchange with 24x7 customer support. Extendable to 5 years.
<b>Environment</b>	Indoor
<b>Operating Temperature/Humidity (degrees F/C, relative humidity)</b>	14 to 104/-10 to +40, 10-80%
<b>Storage Temperature/Humidity (degrees F/C, relative humidity)</b>	-4 to 140/-20 to +60, 10-85%
<b>LED Type</b>	Commercial Grade 3-in-1 Black SMD
<b>Pixel Configuration</b>	SMD 3-in-1 (1R1G1B)
<b>LED Configuration</b>	1 Red, 1 Green, 1 Blue
<b>LED Surround</b>	Planar® MicroGrid Shader™, Black
<b>Software Brightness Control</b>	100 steps
<b>Color Space</b>	97% NTSC
<b>Colors</b>	16.7 million
<b>Color Uniformity</b>	97%
<b>Color Processing</b>	16 bits
<b>Runtime Duty Cycle</b>	24x7
<b>Acoustic noise</b>	Fanless Operation
<b>Professional Services</b>	Design, Configuration, Install and Service available

<b>Adjustable Mount</b>	Planar® EasyAlign™ Mounting System included
<b>Mount Configurations (LED Display Modules width x height (Total LED Display Modules))</b>	2x3 (6), 4x1 (4), 1x3 (3), 1x1 (1)
<b>Application</b>	Fixed
<b>IP Rating</b>	IP40
<b>Installation, Service</b>	Front
<b>LED Display Module Alignment Adjustment</b>	6-axis Integrated
<b>Standard Mounting Configurations</b>	Fixed, Wall
<b>Optional Mounting Configurations</b>	Floor, Hanging from Truss, Concave, Curved via third parties
<b>Americans with Disability Act (ADA) Compliance</b>	Yes
<b>Redundancy</b>	n+1 Redundant Power Supplies (optional)
<b>Power Status</b>	Diagnostic LEDs
<b>Maximum Distance from LED Display Module</b>	200 feet/60 meters (max backlight)
<b>Video Input Resolution Maximum</b>	1920x1080 @ 50, 60 Hz
<b>Video Signal Extension Options</b>	CAT6 (HDBaseT), Fiber Optic
<b>Maximum Distance from LED Video Interface</b>	HDBaseT 326 feet/100 meters, Multimode fiber 984 feet/300 meters
<b>Video Signal Redundancy</b>	Optional
<b>Video Extension Redundancy</b>	Optional
<b>Display Control</b>	Planar® DirectLight™ Control Software included
<b>UPC</b>	8 10689 00300 7

For more information, please visit [www.planar.com](http://www.planar.com)

*Specifications are subject to change without notice.*

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