



# Planar DirectLight X DLX-1.5

## LED Video Wall System

The Planar® DirectLight® DLX-1.5 is a fine pitch LED video wall display with a 1.5 millimeter pixel pitch. With the off-board Planar® Video Controller, Planar DLX-1.5 is the industry's first LED video wall solution to embed advanced video processing directly into the product. Planar DLX-1.5 includes a 27" cabinet with a 16:9 aspect ratio designed for Ultra HD resolution, an industry-leading wall mount, full front service access, off-board hot-swap power supplies and modern, web-based control and management software.



| SPECIFICATION                        | DETAIL                                      |
|--------------------------------------|---|
| Product Name                         | DLX-1.5                                     |
| Pixel Pitch                          | 1.5625mm                                    |
| LED Type                             | Commercial grade 3-in-1 Black SMD           |
| Cabinet Resolution                   | 384 x 216                                   |
| LEDs per Cabinet                     | 82,944                                      |
| Pixel Density                        | 409,600 / sq m   38,053 / sq ft             |
| Cabinet Size (W x H x D)             | 600 x 337.5 x 95mm   23.62 x 13.28 x 3.74in |
| Cabinet Diagonal                     | 688.5mm   27.1 in                           |
| Cabinet Area                         | 0.2025 sq m   2.18 sq ft                    |
| Modules/Cabinet (W x H)              | 2 x 2                                       |
| Module Resolution                    | 192 x 108                                   |
| LEDs per Module                      | 20,736                                      |
| Module Size                          | 300 x 168.75mm   11.81 x 6.64in             |
| Power Consumption, Maximum (watts)   | 150 / Cabinet   741 / sq m                  |
| Power Consumption, Typical (watts)   | 50 / Cabinet   247 / sq m                   |
| Line Voltage                         | 100-240V AC, 50/60Hz autoranging            |
| Cabinet Weight (per m <sup>2</sup> ) | 32.6 kg / sq m   71.6 lbs / sq m            |

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| <b>Cabinet Weight (per display)</b>  | 6.6 kg   14.5 lb   |
| <b>Mount Weight per Cabinet (kg / display)</b>   | 3.2 kg   7 lb  |
| <b>Mount Weight per Cabinet (kg / sq m)</b>  | 15.8 kg / sq m   34.6 lbs / sq m   |
| <b>Mounted Depth</b>   | <4", ADA Compliant   |
| <b>Brightness Max (cd / sq m)</b>  | >800   |
| <b>Contrast Ratio</b>  | > 6,000:1  |
| <b>Brightness Uniformity</b>   | >97%   |
| <b>Color Uniformity</b>  | >97%   |
| <b>Color Gamut</b>   | 100% NTSC  |
| <b>LED Refresh Rate</b>  | 3,000 Hz   |
| <b>Color Temperature, Adjustable (k)</b>   | 3,200 - 9,300  |
| <b>Viewing Angle, Horizontal</b>   | 160°   |
| <b>Viewing Angle, Vertical</b>   | 140°   |
| <b>LED Surround</b>  | Planar® MicroGrid Shader™  |
| <b>Video Inputs (LED Cabinet)</b>  | 2x HDMI in, 2x HDMI out; HDCP Compliant  |
| <b>Video Input Resolution Maximum</b>  | 1920 x 1080 @ 60Hz   |
| <b>Frame Rate</b>  | 50, 60Hz   |
| <b>Control Input Type</b>  | RS232 or Ethernet  |
| <b>Gray Scale Processing</b>   | 16-bit per color processing, 10-bit per color displayed  |
| <b>Installation and Service Access</b>   | Front  |
| <b>LED Lifetime: Typical</b>   | 100,000 hrs  |
| <b>Environment</b>   | Indoor   |
| <b>Power Supply</b>  | Offboard   Redundant Optional   Hot Swap   |
| <b>Wall Mount</b>  | Planar® EasyAlign™, Included   |
| <b>Protection</b>  | IP30, Planar® ERO-LED™ Technology (optional)   |
| <b>Acoustic Noise</b>  | Fanless Operation  |
| <b>Operating Temperature/Humidity (degrees F/C) 10-80% relative humidity, non-condensing</b> | -10° to 40° C   -14° to 104° F   |
| <b>Storage Temperature/Humidity (degrees F/C) 10-85% relative humidity, non-condensing</b>   | -20° to 60° C   -4° to 140° F  |
| <b>Regulatory Compliance</b>   | NRTL UL 60950-1, FCC Class A, CE EN60950-1, EN 55032 Class A and EN 55024, WEEE, CISPR 32/2015 |

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| <b>Video Inputs (Controller)</b>            | 4x HDMI 2.0 (w/ HDCP 2.2), 1x DisplayPort 1.2  |
| <b>Video Outputs (Controller)</b>           | 9-Output Controller: 9x RJ45 8P8C, 1x DisplayPort 1.2  <br>4-Output Controller: 4x RJ45 8P8C, 1x DisplayPort 1.2     |
| <b>Video Extension built-in</b>             | 200 ft/60m over STP CAT6   |
| <b>Control</b>                              | IR Remote, RS232, Ethernet, Planar WallDirector Software   |
| <b>Fiber Video Extension Module Option</b>  | 1 RU rack mount module drives up to 4 outputs  |
| <b>Fiber Video Extension Module Outputs</b> | SFP multi-mode transceivers supports distances up to 300m from wall   Single-mode compatible up to 10k from the wall |

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

*Specifications are subject to change without notice.*

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