



# Leyard DirectLight X DLX-1.8

## LED Video Wall System

The Leyard® DirectLight® DLX-1.8 is a fine pitch LED video wall display with a 1.8 millimeter pixel pitch. With the off-board Leyard® Video Controller, Leyard DLX-1.8 is the industry's first LED video wall solution to embed advanced video processing directly into the product. Leyard DLX-1.8 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-1.8
Pixel Pitch	1.875mm
LED Type	Commercial grade 3-in-1 Black SMD
Cabinet Resolution	320 x 180
LEDs per Cabinet	57,600
Pixel Density	284,444 / sq m   26,426 / 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   27.1in
Cabinet Area	0.2025/sq m   2.18/sq ft
Modules/Cabinet (W x H)	2 x 2
Module Resolution	160 x 90
LEDs per Module	14,440
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 display)	6.6 kg   14.5 lb
Cabinet Weight (per m <sup>2</sup> )	32.6 kg / sq m   71.6 lbs / sq m
Mount Weight per Cabinet (kg / display)	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>	Leyard® MicroGrid Shader™
<b>Video Inputs</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>	Leyard® EasyAlign™, Included
<b>Protection</b>	IP30, Leyard® 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
<b>Video Inputs</b>	4 HDMI 2.0, 1 DisplayPort 1.2
<b>Video Extension built-in</b>	200 ft/60m over STP CAT6
<b>Control</b>	IR Remote, RS232, Ethernet, Leyard 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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