

# Leyard TWS1.8

## LED Video Wall

The Leyard® TWS1.8 is a fine pitch LED video wall display with a 1.8 millimeter pixel pitch. With a 27" cabinet, it features a 16:9 aspect ratio designed for Ultra HD resolution, is easy to handle and install, and works nicely for concave video walls. The Leyard TWS1.8 combines outstanding image quality, low power consumption and a mission-critical design with redundant power and video options.



SPECIFICATION	DETAIL
<b>Product Name</b>	TWS1.8
<b>Pixel Pitch</b>	1.875mm
<b>LED Type</b>	Commercial grade 3-in-1 Black SMD
<b>LEDs per Cabinet</b>	57,600
<b>Pixel Density</b>	284,444 / sq m   26,422 / sq ft
<b>Cabinet Resolution</b>	320 x 180
<b>Cabinet Size (W x H x D)</b>	600 x 337.5 x 95mm   23.62 x 13.28 x 3.74in
<b>Cabinet Diagonal</b>	688.5mm   27.1 in
<b>Cabinet Area</b>	0.2025 sq m   2.18 sq ft
<b>Modules/Cabinet (W x H)</b>	2 x 2
<b>Module Resolution</b>	160 x 90
<b>LEDs per Module</b>	14,440
<b>Module Size</b>	300 x 168.75mm   11.81 x 6.64in
<b>Power Consumption, Maximum (watts)</b>	140 / Display   700 / sq m
<b>Power Consumption, Typical (watts)</b>	48 / Display   240 / sq m
<b>Line Voltage</b>	100-240V AC, 50/60Hz autoranging
<b>Cabinet Weight (per display)</b>	4.7 kg   10.4 lb
<b>Cabinet Weight (per m<sup>2</sup>)</b>	23.3 kg / sq m   51.2 lbs / sq m
<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>	3000 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
<b>Service Access</b>	Rear
<b>LED Lifetime: Typical</b>	100,000 hrs
<b>Environment</b>	Indoor
<b>Power Supply</b>	Single. Dual optional
<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

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

*Specifications are subject to change without notice.*

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