

# Leyard TWA0.9

## LED Video Wall

The Leyard® TWA0.9 is a fine pitch LED video wall display with a 0.9 millimeter pitch. The Leyard TWA0.9 delivers benefits unique to its “flat panel” design including enhanced image quality, a 16:9 form factor optimized for the most popular high resolutions, ease of installation and service, and outstanding flatness and uniformity. With a power-efficient design, the Leyard TWA0.9 significantly reduces power utilization while delivering high resolution image quality.



| SPECIFICATION                             | DETAIL                                      |
|-------------------------------------------|---------------------------------------------|
| <b>Product Name</b>                       | TWA0.9                                      |
| <b>Pixel Pitch</b>                        | 0.9375mm                                    |
| <b>LED Type</b>                           | Commercial grade 3-in-1 Black SMD           |
| <b>Cabinet Resolution</b>                 | 1280 x 720                                  |
| <b>LEDs per Cabinet</b>                   | 921,600                                     |
| <b>Pixel Density</b>                      | 1,137,777 / sq m   105,700 / sq ft          |
| <b>Cabinet Size (W x H x D)</b>           | 1200 x 675 x 100mm   47.24 x 26.57 x 3.94in |
| <b>Cabinet Diagonal</b>                   | 1377mm   54.21in                            |
| <b>Cabinet Area</b>                       | 0.81 sq m   8.718 sq ft                     |
| <b>Modules/Cabinet (W x H)</b>            | 10 x 4                                      |
| <b>Module Resolution</b>                  | 128 x 180                                   |
| <b>LEDs per Module</b>                    | 23,040                                      |
| <b>Module Size</b>                        | 120 x 168.75mm   6.61 x 6.64in              |
| <b>Power Consumption, Maximum (watts)</b> | 440 / Cabinet   543 / sq m                  |
| <b>Power Consumption, Typical (watts)</b> | 132 / Cabinet   162 / sq m                  |
| <b>Line Voltage</b>                       | 100-240V AC, 50/60Hz autoranging            |
| <b>Cabinet Weight (per display)</b>       | 30 kg   66.1 lb                             |
| <b>Cabinet Weight (per m<sup>2</sup>)</b> | 37 kg / sq m   81.6 lbs / sq m              |
| <b>Brightness Max (cd / sq m)</b>         | 600                                         |

|                                                                                              |                                                                                                |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <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>                                                                      | 1920 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>                                                                          | Black Solder Mask                                                                              |
| <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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