

NIXEL SERIES™ - FLEX

Defy limitations with the only LED display available in ultra-slim flat or non-faceted curved options.



INDOOR



CURVABLE / CUSTOMIZABLE



AWARE™

1.25 -
9MM

PIXEL PITCH

100K
HOURS

LIFETIME

TAA

COMPLIANT

ENHANCEMENTS:

HDR
HIGH BRIGHT
HUMIDITY RESISTANT

The only LED display solution available in a true curve without unsightly facets, the Nixel Series™ was pioneered to give customers complete creative control over the size, shape, and curvature of their visualization solution. Ideal for environments with complex architectures, the Nixel Series™ will deliver the “Wow!” factor your space has been missing.

With a diverse array of pixel pitches ranging from 1.56mm to 9mm, Nixel Series™ displays can be customized for an audience at almost any viewing distance, angle, and environment. Backed by our industry-leading six-year warranty and engineered to meet any need, Nixel Series™ displays give you the control, clarity, and customization to see your space shine!

WHY NANOLUMENS®

At NanoLumens® we make dreams a reality through mass-customized, scalable LED display solutions for every size and purpose, both indoor and out. By combining the world’s most powerful display platform with an unparalleled array of visual communication solutions, we give our clients an unprecedented ability to provide the most engaging customer experiences.

NIXEL™ TO PIXEL WARRANTY

While pixels may fail, we won’t. Our industry-leading six year warranty backs your display all the way down to the individual LED—for six years. We’re serious about our products, so we guarantee that we’ll hold up our end of the bargain; that’s simply how we do business.

BENEFITS

- **Customizable** - Nixel Series™ displays are available in any size, shape, or curvature. They also come with a vast array of optional upgrades, including high bright, fire retardance, and humidity resistance.
- **Unique** - The Nixel Series™ is the only visualization solution on the market available in a seamless true curve, uncompromised by any unsightly facets or bezels. This is the sort of technology you cannot get anywhere else.
- **Innovative** - Nixel Series™ displays wrap around pillars, nestle flush into and onto corners, or appear to float, with slim profiles that hug curves and angles. With no need for a third-party mount, Nixel Series™ displays can embed into almost any environment.
- **American Pride** - Nixel Series™ displays are designed, assembled, and supported by our dedicated team of experts from our headquarters in Atlanta, Georgia.



GOLD WINNER

SPECIFICATIONS: NIXEL™ SERIES - FLEX

Pixel Pitch	1.25mm	1.56mm	1.87mm	2.5mm	3mm	4mm	5mm	6mm	9mm
Nixel™ Module Size (W X H) ¹	300.0 x 168.8 mm 11.81 x 6.64 in			240.0 x 150.0 mm 9.45 x 5.91 in	304.8 X 152.4 mm 12.0 X 6.0 in				
Nixel™ Array Per "Full HD"	8x8	10x10	12x12	20x18	24x27	30x34 ²	34x38 ²	40x45	60x68 ²
Nixel™ Resolution	240x135	192x108	160x90	96x60	80x40	64x32	56x28	48x24	32x16
System Depth ³	104.9 mm / 4.13 in								
Watts /ft ²	67.8 Max 20.4 Avg	67.9 Max 20.4 Avg	56.9 Max 17.1 Vvg	69.70 Max 20.91 Avg	44.05 Max 13.22 Avg	48.05 Max 14.41 Avg	42.01 Max 12.60 Avg	41.82 Max 12.55 Avg	
Weight /ft ²	2.31 kg / 5.1lbs					2.49 kg / 5.5 lbs			
Max Brightness (standard) ⁴	770 nits	750 nits	800 nits		980 nits	1190 nits	1800 nits		
Viewing Angles ⁵	178° horizontal / 178° vertical								
Viewing Angles L50 ⁵	170° horizontal 170° vertical	160° horizontal 160° vertical			160° horizontal 140° vertical	160° horizontal 160° vertical	170° horizontal 160° vertical		
Minimum Diameter ⁶	2439 mm 96 in	1524 mm 60 in		1219 mm 48 in		1067 mm 42 in	915 mm 36 in		
Serviceability	Front								
Indoor / Outdoor ⁷	Indoor								
Working Voltage (VAC)	110 / 120 / 208 / 220 / 240 VAC - Single Phase								
Output Bit Depth ⁸	8-bit Standard (16.7 Million) / Up to 10-bit (>1 Billion)								
AWARE™ Enabled	Upon Request								
Lifetime	>100,000 hours								

1 Nixel™ footprint, bespoke sheet metal frame adds 1/2" to overall system height and width

2 This product does not array to exactly 1920x1080

3 Nixel Series™ standard system depth is overall depth of frame+skin topology including finish decor/trim

4 Higher brightnesses are possible through additional customization

5 L50 is objective measured angle at which brightness decreases to 50% of max brightness

6 Minimum Diameter is based on standard framework and components - tighter radii are possible through additional customization

7 Humidity Resistant (HR) version of Nixel Series™ is available for use in non-air-conditioned, covered outdoor spaces and enclosures - see Nixel Series™ HR specification sheet

8 Nixel Series™ LED displays process at up to 14 bits per channel internally. Final output bit depth is limited by content source capabilities.



All specs as of 12/10/2020