NIXEL™ SERIES FLEX

Indoor displays engineered for the perfect curve and mount-free fit.
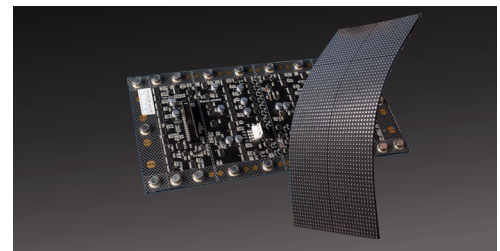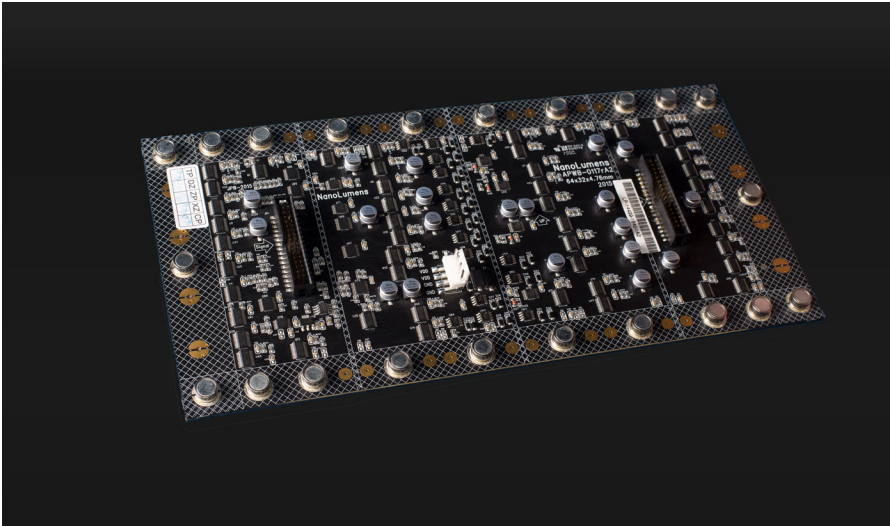
The Original True Curve™

- Flat or True Curve™
- Customizable

- 0.9-9mm Pixel Pitch
- 100K Lifetime

- Indoor
- TAA Compliant

Product Sheet

With limitless customizability and unrivaled performance, the Nixel™ Series gives you the creative freedom to transform any environment with an immersive display experience. Whether your project calls for a display surface with convex and concave curves, the Nixel Series can meet your demands. Available in rigid, flex or outdoor models.

Why Nanolumens

At Nanolumens, we've set our sights — and our standards — high when it comes to LED and service. We leverage the best of technology to meet everyday needs and enable digital transformation. Our promise to you is an unsurpassed first and lasting experience.

NIXEL™ to Pixel Warranty

Your display is engineered to pass the ultimate test: time. We use high-performing materials like gold wiring to ensure your display is a worthwhile investment. Our Warranty coverage starts pixel one ensuring your display is covered 100% from our Atlanta headquarters.

Benefits

True Curve™ Technology

Seamless and able to produce complex curves and unique shaped designs that allow for limitless design freedom.

Standard or Completely Customizable

Seamless and able to produce complex, unique shaped displays to fit tight or difficult spaces.

Uncompromising Quality Components

Maximize your ROI with your investment in superior components like gold wiring.

Patented Frame and Skin Topology

Each display is built-to-suit any application desired. Custom right down to the installation.

Pixel Pitch	0.93mm	1.2mm	1.5mm	1.8mm	2.5mm	3.8mm	4.7mm	6.3mm	9.5mm
Module Size (W X H)[1]	300.0 x 168.8 mm 11.81 x 6.64 in				240x150mm 9.45 x 5.91 in	304.8 x 152.4mm 12.0 x 6.0 in			
Module array per "Full HD"	6x6	8x8	10x10	12x12	20x18	24x27	30x34[2]	40x45	60x68[2]
Module Resolution	320x180	240x135	192x108	160x90	96x60	80x40	64x32	48x24	32x16
Module Depth[3]	104.9 mm / 4.13 in								
Watts/ft^{2}	54.83 Max 17.66 Avg	67.8 Max 20.4	69.7 Max 20.4 Avg	69.7 Max 17.1 Avg	69.70 Max 20.91 Avg	44.05 Max 13.22 Avg	48.05 Max 13.22 Avg	41.82 Max 12.60 Avg	41.82 Max 12.55 Avg
Weight/ft^{2}	5.1 lbs / 2.31 kg					5.5 lbs / 2.49 kg			
Max Brightness[4] (standard)	640 nits	770 nits	750 nits	800 nits		980 nits	1190 nits	1800 nits	
Viewing Angle Max[5]	178° horizontal / 178° vertical								
Viewing Angle L50[5]	170° H 165° V	170° H 170° V	160° H 160° V			160° H 140° V	160° H 160° V	170° H 160° V	
Minimum Radius[6]	1829 mm / 72 in				1219 mm / 48 in		915 mm / 36 in		
Serviceability	Front								
Indoor/Outdoor	Indoor								
Input Voltage (VAC)	110 / 120 / 208 / 220 / 240 VAC - Single Phase								
Input Bit Depth[7]	8-bit Standard (16.7 Million) / Up to 10-bit (>1 Billion)								
LED Lifetime	>100,000 hours								
Operating Temperature	Operating: 0 to 50C, Non Condensing Humidity								

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

2 This product does not array to exactly 1920×1080.

3 Nixel Series™ standard system depth is overal 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 Radius is based on standard framework and components – tighter radii are possible through additional customization.

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

HDR FC ETL Intertek Cert. to CAN/CSA Std. C22.2 No 62368-1-07 CE