

 NanoLumens®

The Book

2017 Product Catalog



Bright Thinking. At NanoLumens we make dreams a reality through mass-customized, scalable LED display solutions for every size and purpose, both indoor and out.









APPLICATION
PERFORMANCE

PGA CHAMPIONSHIP
THRU 1 HOLE
SECOND ROUND GROUPING



SERGIO GARCIA
T2 (-1)



BILL HAAS
T7 (E)



LOUIS OOSTHUIZEN
T2 (-1)

OMEGA

PGA CHAMPIONSHIP RD 1

TBS Joost Luiten

ESPN

TBS Camilo Villegas

#PGChamp
LIVE
GOLF



vs.



#961 A's (51-63)
#962 Blue Jays (62-52)

9:35PT

OAK Injuries: OUT: Jesse Hall (Elbow)

Doc: Tyler Ladendorff (Ankle)
Jarrod Parker TOR Injuries: Dean Trivette (Shoulder)
Drew Trivette (Shoulder)



PGA CHAMPIONSHIP
TIGER WOODS
TEE TIME: 10:15AM ET
ON THE BOURSE



DOMESTIC TERMINAL SOUTH
Delta Air Lines

DEST	FLIGHT	STATUS	FLIGHT	STATUS	FLIGHT	STATUS	FLIGHT	STATUS
Atlanta	DL101	ON TIME	Atlanta	DL102	ON TIME	Atlanta	DL103	ON TIME
Atlanta	DL104	ON TIME	Atlanta	DL105	ON TIME	Atlanta	DL106	ON TIME
Atlanta	DL107	ON TIME	Atlanta	DL108	ON TIME	Atlanta	DL109	ON TIME
Atlanta	DL110	ON TIME	Atlanta	DL111	ON TIME	Atlanta	DL112	ON TIME
Atlanta	DL113	ON TIME	Atlanta	DL114	ON TIME	Atlanta	DL115	ON TIME
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Atlanta	DL137	ON TIME	Atlanta	DL138	ON TIME	Atlanta	DL139	ON TIME
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Atlanta	DL173	ON TIME	Atlanta	DL174	ON TIME	Atlanta	DL175	ON TIME
Atlanta	DL176	ON TIME	Atlanta	DL177	ON TIME	Atlanta	DL178	ON TIME
Atlanta	DL179	ON TIME	Atlanta	DL180	ON TIME	Atlanta	DL181	ON TIME
Atlanta	DL182	ON TIME	Atlanta	DL183	ON TIME	Atlanta	DL184	ON TIME
Atlanta	DL185	ON TIME	Atlanta	DL186	ON TIME	Atlanta	DL187	ON TIME
Atlanta	DL188	ON TIME	Atlanta	DL189	ON TIME	Atlanta	DL190	ON TIME
Atlanta	DL191	ON TIME	Atlanta	DL192	ON TIME	Atlanta	DL193	ON TIME
Atlanta	DL194	ON TIME	Atlanta	DL195	ON TIME	Atlanta	DL196	ON TIME
Atlanta	DL197	ON TIME	Atlanta	DL198	ON TIME	Atlanta	DL199	ON TIME
Atlanta	DL200	ON TIME	Atlanta	DL201	ON TIME	Atlanta	DL202	ON TIME

YOUR BAG IN 20 MINUTES, GUARANTEED.
DELTA.COM/BAGSONTIME



DELTA

YOUR BAG IN 20 MINUTES, GUARANTEED. DELTA.COM/BAGSONTIME



YELLOWGLEN
Always sparkling

Yellow

Wool

CHI-RAN



welcome to the
xfinity
east plaza

welcome to the
xfinity
east plaza
nrg

5



ARRIVED IN STYLE WITH TAP & PAY ON MOBILE.

Open an Everyday Account today and feel like an everyday champion.
combank.com.au/moreways

CAN





EXIT

Elevator
Ascensor

EXIT
Salida

Greeter's Lobby
Sala de espera



Nowhere is the brilliance of innovative thinking executed more clearly than by today's envelope-pushing architects and designers. When it comes to designing installations that include digital displays, you are no longer confined to thinking in terms of big flat rectangles, because at NanoLumens we stand behind your creative ideas with LED display technologies that fit any size, shape or curve you can imagine.

Retail

Your brand deserves the best display technology available.

NanoLumens® delivers the industry's most innovative digital displays.

From the towering Nixel Series™ displays outside of prestigious Holt Renfrew stores in Canada, to the massive hanging display in Brisbane, Australia's famed Indooroopilly shopping center, NanoLumens displays are driving customer engagement and increasing conversions.

Even the world-famous Madam Tussauds wax museum turned to NanoLumens to create a digital window display at their Times Square location in New York to communicate their step into the modern age.





ENTERTAIN

Transportation

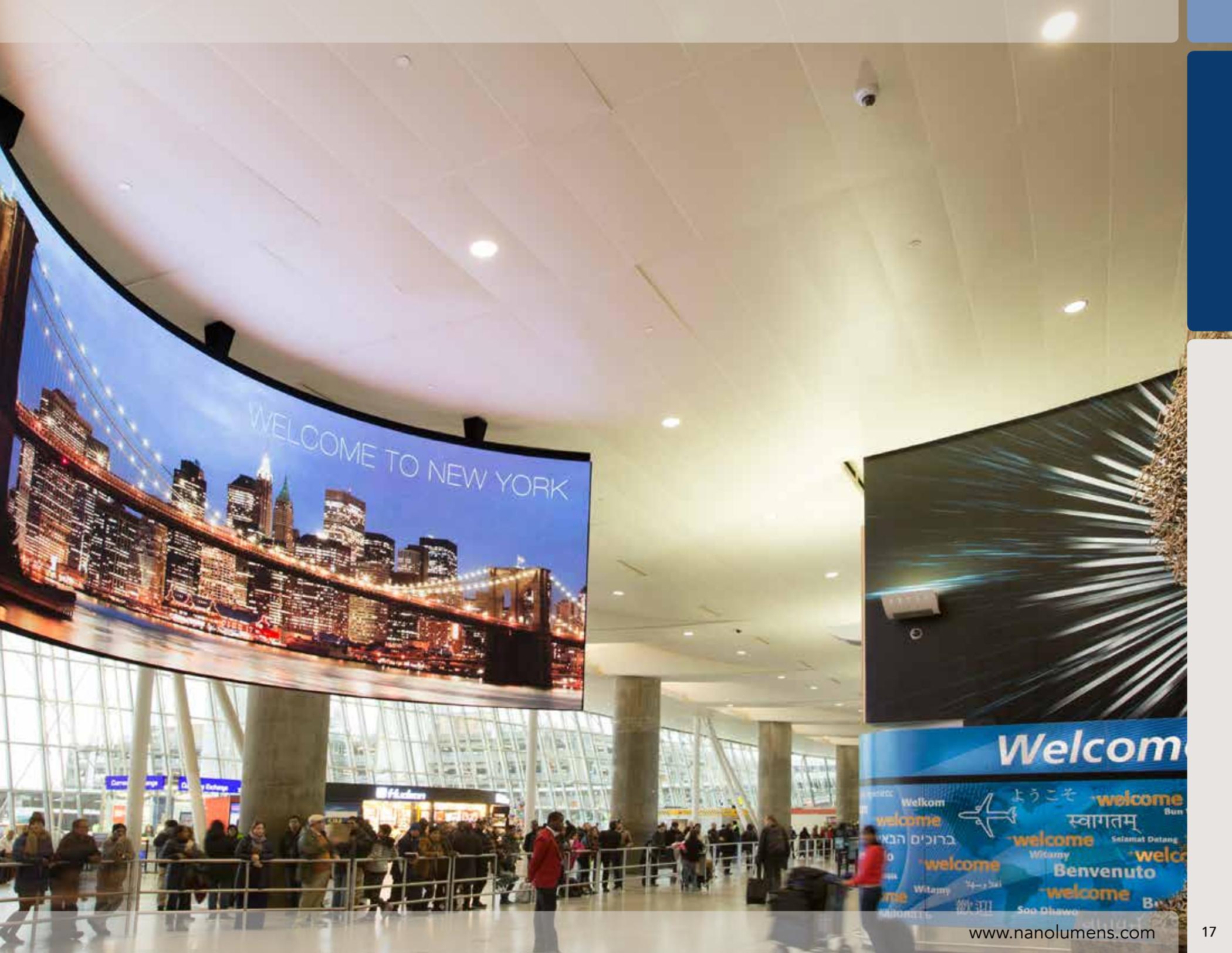
Today's advancing technologies are making it easier than ever to reach more travelers on any given day with relevant transportation information and advertising; giving you and your advertisers the freedom and flexibility that you have been looking for.

An LED display from NanoLumens® is the best in the business. We provide 5 of the top 10 global airports and transportation hubs with curved and innovative display solutions they need.

We provide 5 of the top 10 global airports and transportation hubs across the globe with curved and innovative display solutions they need.

Just take a look at our large format displays in the Sao Paulo Metro, Hartsfield-Jackson International, Toronto Pearson International or the Miami International Airport, where they are impacting traveler's daily lives. Service and maintenance are a breeze, changing and rearranging content is incredibly easy and messaging can be delivered with maximum impact.





WELCOME TO NEW YORK

Welcom

Welkom
welcome
ようこそ
welcome
स्वागतम्
ברוכים הבאים
Selamat Datang
Witamy
Benvenuto
welcome
Soo Diiwawo

Sports & Arenas

Digital signage elevates the spectator experience, while boosting the venue's bottom line through increased advertising revenue. Sporting venues are looking to create a better fan experience and drive extra revenue opportunities. Awe-inspiring LED displays from NanoLumens® deliver.

Recently completed projects such as the TD Garden renovation, the Xfinity East Plaza for the Miami HEAT and the new "Bunker Suite" at Gillette Stadium are turning revenue-dormant areas into fan engagement centers full of new growth opportunities and new revenue streams galore!

Sporting venues are looking to create a better fan experience and drive extra revenue opportunities.





Out of Home

Today's advertisers are always looking for new spaces and unique ways to create impressions.

Our unparalleled ability to create displays which are thin, lightweight, and curvable allow OOH companies to deploy new and bespoke advertising surfaces that stand the test of time.

From double-sided, rotating Nixel Series™ displays hanging in the atrium of Charlestown Square to the iconic wrapped columns of Toronto's Union Station, NanoLumens delivers OOH companies unique opportunities to build revenue streams in spaces previously reserved for static advertising.





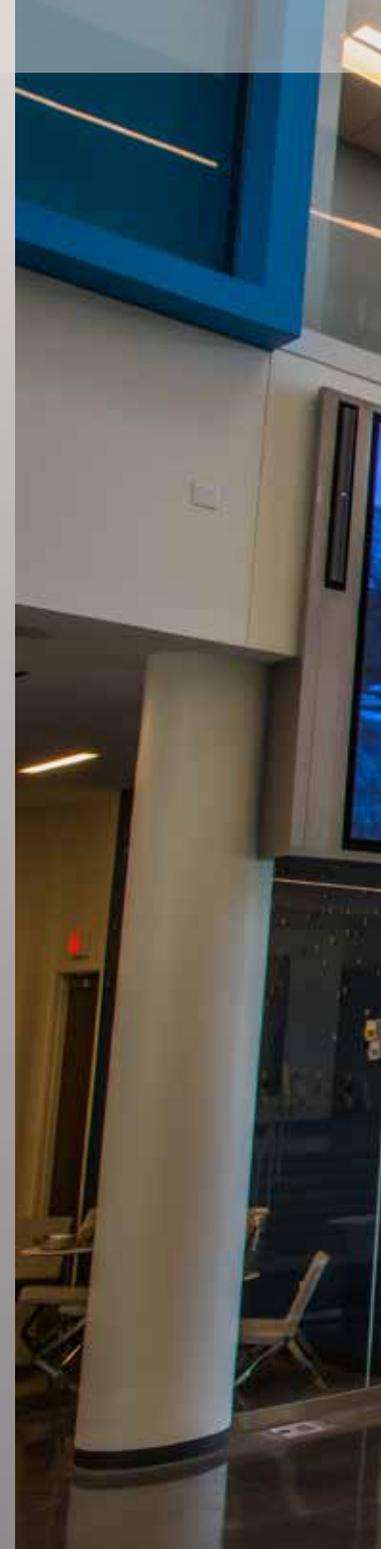
adairs

Higher Education

Today's students have come of age in the time of smart phones and tablets and expect nothing less than a fully digital experience from their college or university of choice.

From student unions and cafeterias to the historic or new buildings that make your campus one-of-a-kind, NanoLumens® displays are smart and curvable, increasing student engagement and enhancing the entire educational experience.

With unique installations across the globe, you can find our Nixel Series™ displays at Western Sydney University in Australia or Ryerson University in Canada as well as across the United States at Kansas University, Indiana University and University of Mary Washington. Smart schools choose NanoLumens!





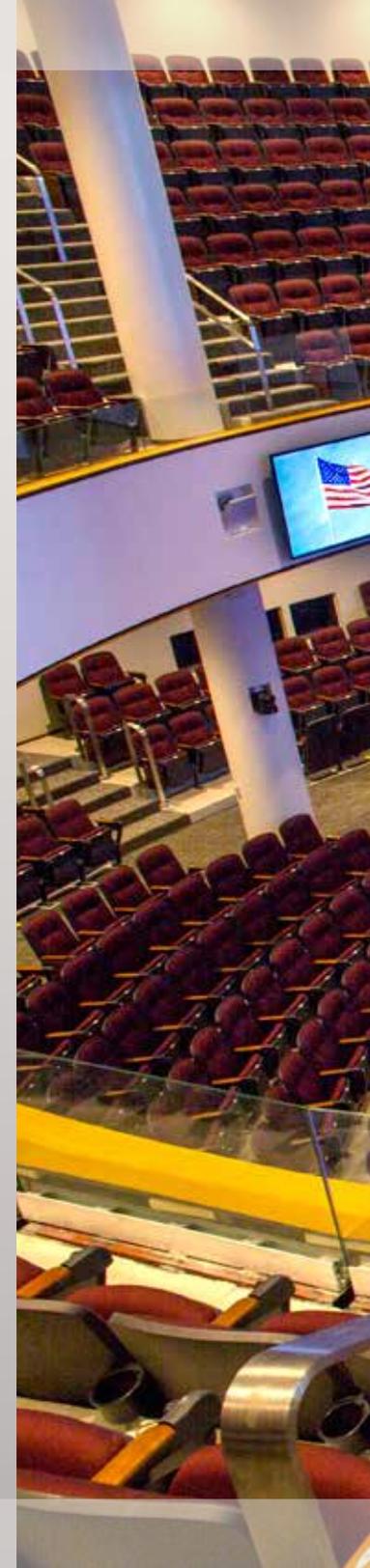
KU SCHOOL OF BUSINESS
The University of Kansas

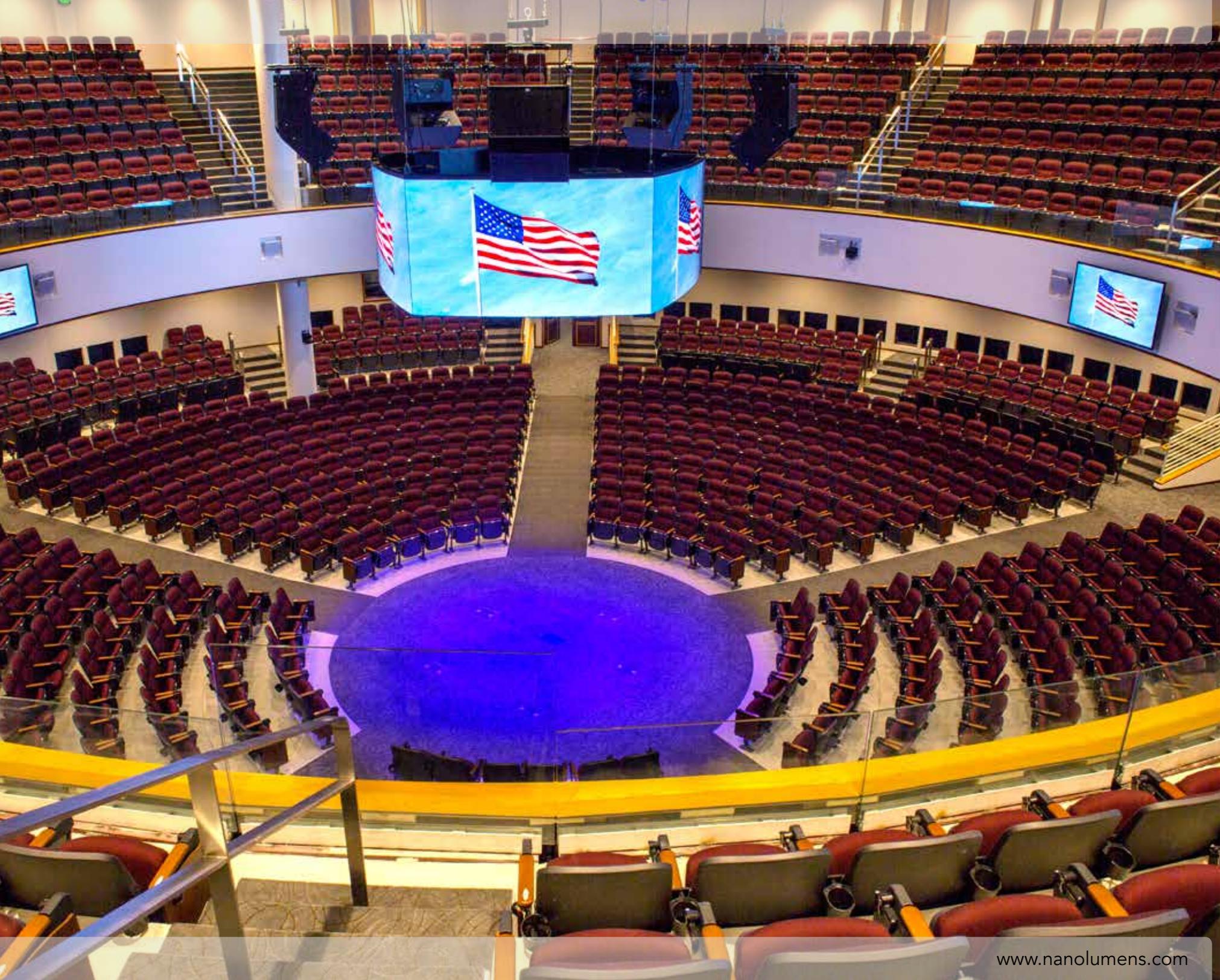
Corporate Campuses

NanoLumens® delivers brilliant LED display solutions that can be tailored to any size room, corporate headquarters or unique space because your corporate identity deserves only the best.

From digital corporate initiatives to brand awareness, NanoLumens has delivered the most innovative, highest quality displays to the world's most recognizable brands

such Coca-Cola, Visa, Century Link, Acuity, Delaware North (owners of the TD Garden) and Telstra (Australia's largest telecommunications and media company).





Gaming & Casinos

Because your sportsbook/casino is the ultimate destination, you need the ultimate display partner.

At NanoLumens® we create a truly unique experience in any shape, size or curvature.

Industry leaders such as Station Casinos, WinStar World Casino, Tachi Palace, and The Scarlet Pearl have all turned to NanoLumens for best-in-class LED displays.

In fact, The Station Casino's Red Rock Resort Sports Book in Las Vegas, that received top marks from Sports Book Review, tapped us to remove their dated projection technology and create the massive, narrow pixel pitch, direct-view Engage Series™ display for their widely recognized, best-in-class sports book.





Houses of Worship

Today's traditions require engagement. For growing congregations across the world, NanoLumens® displays make for services full of light, involvement and creative ways to catch the spirit within.

For mega churches and other large houses of worship, a NanoLumens display lets the light shine in. Replacing outdated projection technology with state-of-the-art LED displays illuminates your congregation, allowing them to be fully engaged and able to follow along with every sermon, hymn or piece of scripture they need to grow in their faith.

Houses of worship like Atlanta's Perimeter Church are taking the next step to growing their congregation by bringing digital elements inside their services, attracting younger, digitally-engaged worshippers to their flock.





Federal Systems

For command and control centers across the world, NanoLumens® is there for critical information when low resolution, bezels, and electronic failures simply won't do.

Qualified for the Buy American Act and the Trade Agreements Act, NanoLumens is compliant with the Defense Security Service's Certificate of Volatility for use with Classified Systems. Designed, assembled and supported in the United States, we are a natural fit for C41 systems. Our flexible, narrow pixel pitch displays are designed for tactical simulation systems, they are immersive, realistic and essential to mission critical decisions.







NanoLumens®

At NanoLumens, we firmly believe you won't find a better, higher quality group of designers, engineers or manufacturing team than right here in the USA; and that's why our products are designed, assembled and supported here.



DESIGNED AND ASSEMBLED IN THE USA

ENGAGE SERIES™ - INDOOR

High resolution at its finest! Captivate your audience like never before with our slimmest, most vibrant product: the Engage Series™. This series is the ideal solution for any area where crisp images and close-up viewing are required, and it's backed by our industry-leading, six year warranty.

INDOOR



FLAT



SUPER SLIM



AWARE™



PIXEL PITCH

**1.25 -
2.5 MM**

LIFETIME

**100K
HOURS**

IDEAL FOR

- Retail
- Transportation
- Gaming & Casinos

Benefits

ECO-FRIENDLY

High definition LED displays shine bright, but use less power than the average hair dryer.

VERSATILE

Engage Series™ displays are extraordinarily slim and easy to install. Front- or rear-serviceable.

PREMIUM RESOLUTION

Dream big! Our innovative, narrow pixel pitch displays provide you the best and brightest in LED solutions. Maximize your message in bold, living color.

Specifications

Pixel Pitch	1.25 mm	1.6 mm	1.87 mm	2.5 mm
Size (W X H)	480.0 X 450.0 mm 18.9 X 17.72 in	650.0 X 365.0 mm 25.59 X 14.37 in	480.0 X 480.0 mm 18.9 X 18.9 in	
Depth*	101.6 mm / 4 in		101.6 mm / 4 in	
Watts per unit	190.0 max / 76.0 avg	150.0 max / 60.0 avg	185.0 max / 74.0 avg	115.2 max / 46.08 avg
Weight*	19.76 lbs / 8.96 kg	17.1 lbs / 7.76 kg	21.08 lbs / 9.56 kg	
Brightness	650 nits	1,200 nits	2,000 nits	1,200 nits
Viewing Angles	140° horz / 140° vert	160° horz / 160° vert		
Flexible	No			
Serviceability	Front	Front	Front/Rear	Front/Rear
Color Temperature	6500K (ADJ)			
Working Voltage	120 / 208 / 240 VAC			
Refresh Frequency	960-4800hz (ADJ)			
Colors	>16 Million			

*Subject to change based on installation specifics

NIXEL SERIES™ - INDOOR

Our industry-leading technology defies limitations, enabling you to engage your audience like never before. With pixel pitches as low as 2.5mm, NanoLumens® Nixel Series™ displays can provide space efficiency, increase advertising ROI, and minimize environmental impact.

INDOOR



CURVABLE



AWARE™



PIXEL PITCH

2.5 - 9 MM

LIFETIME

100K HOURS

IDEAL FOR

- Retail
- Corporate Campuses
- Sports & Arenas
- Gaming & Casinos

Benefits

EFFICIENT

Our high definition LED technology shines bright, but is low-heat, energy efficient, and eco-friendly.

INNOVATIVE

We create displays that wrap around pillars, nestle into corners, or appear to float, with slim profiles that hug curves and angles. The only limit is your imagination!

CUTTING EDGE

Our low 2.5mm pixel pitch gives your imagery the utmost clarity, heightening your message and creating a deeper level of customer engagement.

Specifications

	2.5 mm	3 mm	4 mm	5 mm	6 mm	9 mm
Pixel Pitch	2.5 mm	3 mm	4 mm	5 mm	6 mm	9 mm
Size (W X H)	240.0 X 150.0 mm 9.45 X 5.91 in	304.8 X 152.4 mm / 12.0 X 6.0 in				
Depth*	Curved: 104.8 mm Flat: 79.4 mm / Curved: 4.125 in Flat: 3.125 in					
Watts per unit	22.0 max / 8.8 avg	17.0 max / 6.8 avg		9.0 max / 3.6 avg	10.0 max / 4.0 avg	
Weight*	2.32 lbs / 1.05 kg	2.86 lbs / 1.3 kg				
Brightness	800 nits	1,400 nits	1,800 nits			
Viewing Angles	160° horz / 160° vert		170° horz / 160° vert			
Flexible	Yes					
Serviceability	Front					
Color Temperature	6500K (ADJ)					
Working Voltage	120 / 208 / 240 VAC					
Refresh Frequency	960-4800hz (ADJ)					
Colors	>16 Million					

*Subject to change based on installation specifics

NIXEL SERIES™ - OUTDOOR

Heat, wind, rain ... NanoLumens® Nixel Series™ outdoor displays stand up to it all! Bring the stunning clarity of indoor LED signage outdoors and take advantage of countless new opportunities to capture your audience with bold images and videos.

OUTDOOR



CURVABLE



AWARE™



PIXEL PITCH

**4 -
9 MM**

LIFETIME

**100K
HOURS**

IDEAL FOR

- Sports & Arenas
- Transportation

Benefits

EFFICIENT

Our high definition LED technology shines bright, but is low-heat, energy efficient, and eco-friendly.

CUTTING EDGE

Our low 4mm pixel pitch gives your imagery the utmost clarity, heightening your message and creating a deeper level of customer engagement.

BUILT TO LAST

Our displays are engineered to perform in all environments; from hurricanes to extreme temperatures, our displays will stand up to just about anything Mother Nature delivers.

Specifications

Pixel Pitch	4 mm	6 mm	9 mm
Size (W X H)	304.8 X 152.4 mm / 12 X 6 in		
Depth*	Curved: 139.7 mm Flat: 139.7 mm Curved: 5.5 in Flat: 5.5 in		
Watts per unit	27.0 max / 10.8 avg	30.0 max / 12 avg	
Weight*	4 lbs 1.81 kg		
Brightness	5,000 nits	6,500 nits	
Viewing Angles	170° horz / 160° vert		
Flexible	Yes		
Serviceability	Front		
Color Temperature	6500K (ADJ)		
Working Voltage	120 / 208 / 240 VAC		
Refresh Frequency	960-4800hz (ADJ)		
Colors	>16 Million		

*Subject to change based on installation specifics

PERFORMANCE SERIES™ - INDOOR

At only 4 inches deep (approximately 101.6 mm), our ultra-thin displays are available in any size and two different pixel pitches: 4 mm and 5 mm (choose between front or rear serviceable models to make installation and maintenance simple).

INDOOR



FLAT



AWARE™



PIXEL PITCH

**4 -
5 MM**

LIFETIME

**100K
HOURS**

IDEAL FOR

- Gaming & Casinos
- Transportation
- Retail

Benefits

RELIABLE

Our high definition LED technology is built for optimal performance, and backed by a three year warranty.

VALUE-FOCUSED

We offer uncompromising quality at a price that makes sense for your company.

RAPID DEPLOYMENT

We close the gap between ideation and installation with efficient delivery times.

RETURN ON INVESTMENT

The quality and value of the Performance Series™ means ROI is possible in months, not years.

Specifications

	4 mm	5 mm
Pixel Pitch	4 mm	5 mm
Size (W X H)	1152 X 288 mm / 45.35 X 11.34 in	
Depth*	101.6 mm / 4 in	
Watts per unit	149.0 max / 59.6 avg	
Weight*	20.53 lbs / 9.31 kg	
Brightness	1,000 nits	
Viewing Angles	160° horz / 140° vert	
Flexible	No	
Serviceability	Front/Rear	
Color Temperature	6500K (ADJ)	
Working Voltage	120 / 208 / 240 VAC	
Refresh Frequency	960-4800hz (ADJ)	
Colors	>16 Million	

*Subject to change based on installation specifics

PERFORMANCE SERIES™ - OUTDOOR

Designed to outperform similar models in reliability and quality, at a price point that is accessible to everyone. At only 4.5 inches deep, displays can be front or rear installable or serviceable and are available in both 8mm and 10mm pixel pitch.

OUTDOOR



FLAT



AWARE™



PIXEL PITCH

**8 -
10 MM**

LIFETIME

**100K
HOURS**

IDEAL FOR

- Out of Home
- Transportation
- Sports & Arenas

Benefits

RELIABLE

Our high definition LED technology is built for optimal performance, and backed by a three year warranty.

VALUE-FOCUSED

We offer uncompromising quality at a price that makes sense for your company.

RAPID DEPLOYMENT

We close the gap between ideation and installation with efficient delivery times.

RETURN ON INVESTMENT

The quality and value of the Performance Series™ means ROI is possible in months, not years.

Specifications

	8 mm	10 mm
Pixel Pitch	8 mm	10 mm
Size (W X H)	640 X 960 mm / 25.2 X 37.8 in	
Depth*	114.3 mm / 4.5 in	
Watts per unit	350.0 max / 140.0 avg	420.0 max / 168.0 avg
Weight*	62.17 lbs / 28.2 kg	
Brightness	7,500 nits	8,500 nits
Viewing Angles	140° horz (40° up / 60° down vert)	
Flexible	No	
Serviceability	Front/Rear	
Color Temperature	6500K (ADJ)	
Working Voltage	120 / 208 / 240 VAC	
Refresh Frequency	960-4800hz (ADJ)	
Colors	>16 Million	

*Subject to change based on installation specifics

AWARE™

A hardware-enabled Software-as-a-Service (cloud based) platform that seamlessly combines your display diagnostics, content distribution and audience measurement with the ability to choose a variety of apps, services, and content sources; accessible through one portal, instantly, from anywhere in the world.

What if...



your display had apps like your smart phone?



you could see all of your displays, devices and their status in real-time, from anywhere in the world?



your display could alert you before something went wrong?



you had a platform to prepare you for whatever the future holds?



you could integrate sensor technology to better understand your audience?

Ready for today and tomorrow

Leveraging the power of Qualcomm Snapdragon 820, Google Android OS, and Amazon Web Services, it has never been easier to deploy the complete display management system of the future.



One Measureable & Manageable Solution

The AWARE dashboard displays all of your critical digital signage data in any format for quicker decision making, increasing your ability to leverage your new or existing display networks to deliver on-target and engaging content.



ADVANTAGE

NanoLumens® ADVANTAGE is the next-generation technology renewal program that makes it possible for a business to finance an entire digital display strategy on a monthly basis, enabling customers to easily add upgrades and additional assets to an existing contract.

Time For An Upgrade

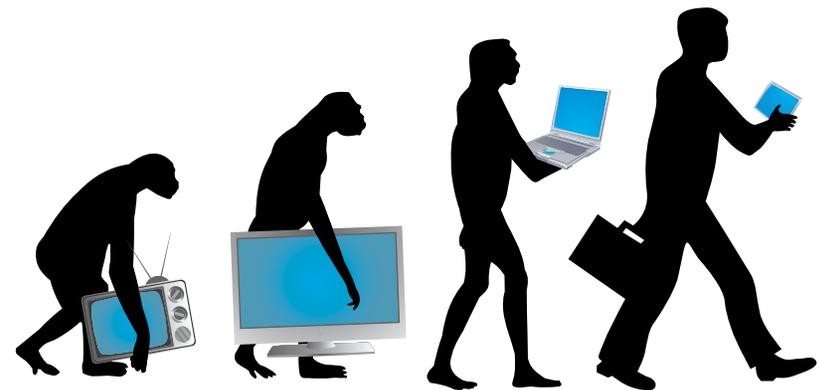
Just like your cell phone, no one wants last year's model. What if you could upgrade your display technology at the frequency of technology, never being left behind with the obsolete model?

NanoLumens ADVANTAGE is the next-generation technology renewal program that makes it possible for a business to finance an entire digital display strategy on a monthly basis, enabling customers to easily add upgrades and additional assets to an existing contract.

Financial Advantage

NanoLumens ADVANTAGE best-in-class program is designed to help businesses gain a competitive sales advantage with the latest technology while protecting against obsolescence. You can secure budget approval

with ease, ensure predictable allocation, have the ability to spend working capital on strategic investments and preserve credit limits, as well as realize tax benefits, all while simplifying a complete display strategy into a one-stop solution – all through NanoLumens ADVANTAGE.



CLIENTS

We work with the best and brightest in their industries and our clients include companies on the Fortune 500 and Forbes' Global 200 lists.



ESTÉE LAUDER





AWARDS

By combining the world's most powerful visual display platform with an unparalleled array of visual communication services, we give our clients an unprecedented ability to provide the most engaging customer experiences.





Bright Ideas: Our Nixel™ to Pixel Warranty backs your display all the way down to the individual LED. And we are the only ones who do. While Pixels may fail. We won't. We provide you an industry-leading warranty because when you are truly serious about something, you stand behind it. We guarantee that we'll hold up this end of the bargain, that is simply how we do business.



www.nanolumens.com