



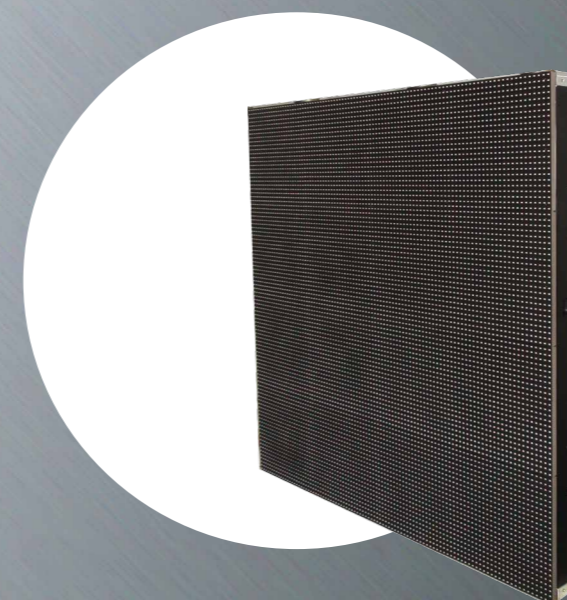
Center Hung Sideline screens: 6mm - 17.28m(W) x 9.6m(H)
 Center Hung Baseline screen: 6mm - 10.08m(W) x 9.12m(H)
 Arena Upper Corner Displays: 16mm - 15.24m(W) x 23.68m(H)
 Lower Entry Vom Displays: 10mm - 2.4m(W) x 0.72m(H)
 Lower Bowl Vom Displays (wide): 16mm - 2.54m(W) x 0.76m(H)
 Lower Bowl Vom Displays (Narrow): 16mm - 1.52m(W) x 0.76m(H)
 ADA Vom Displays: 16mm - 6.6 m(W) x 0.76m(H)
 Lower Fascia Ribbons: 16mm - 71.12m(W) x 0.64m(H)
 Upper 360 Fascia Ribbon: 16mm - 321.06m(W) x 0.64m(H)

Success Story : The Q, Cleveland Cavaliers

The United States has some of the best sports arenas in the world. Recently, the Quicken Loans Arena has taken that standard to a higher level with their brand-new LED center-hung scoreboard. The Quicken Loans Arena, commonly known as The Q, is the home of the Cleveland Cavaliers of the National Basketball Association, the Lake Erie Monster of the American Hockey League, the Cleveland Gladiators of the Arena Football League, and the Mid-American Conference Basketball Tournaments. With the new four-sided center-hung Lighthouse LED scoreboard, fans will have the ultimate experience. Using our control system, the venue can interact with fans and the audience can see videos, game information, replays, and much more. The LED screens are specially curved to give all audience optimal viewing angles. Addition to the new scoreboard, the Q has also installed LED screens around the seating bowl to provide superior atmosphere.



Pv Series



Visual Characteristics	Pv4	Pv6	Pv10	PV16-FA/RA	Pv20
Brightness	nits		2,000		
Visual Viewing Angle - Horizontal	deg.		160(+80/-80)		
Visual Viewing Angle - Vertical	deg.		140(+70/-70)		
Pixel Configuration	R/G/B		SMD 3-in-1		
Pixel Pitch	4.0	6.0	10.0	15.875	20.0
Processing Depth	bit		16		

Modular Characteristics	Pv4	Pv6	Pv10	PV16-FA/RA	Pv20
Aspect Ration	1:1		4:3		8:5
Panel Width	mm/ft	960/3.15	1016/3.33	1280/4.2	
Panel Height	mm/ft	960/3.15	762/2.5	800/2.62	
Panel Surface Area	sq.m / sq.ft	0.92/9.9	0.77/8.33	1.02/11.02	
Pixel Resolution	w x h	240 x 240	160 x 160	96 x 96	64 x 40

Environmental	Pv4	Pv6	Pv10	PV16-FA/RA	Pv20
Ingress Protection(Front/ Rear)	IP		IP40 /IP20		
Lifetime(50% brightness)	hrs		>100,000		

For further details of Lighthouse products , please visit our website www.lighthouse-tech.com or contact your nearest Lighthouse office.

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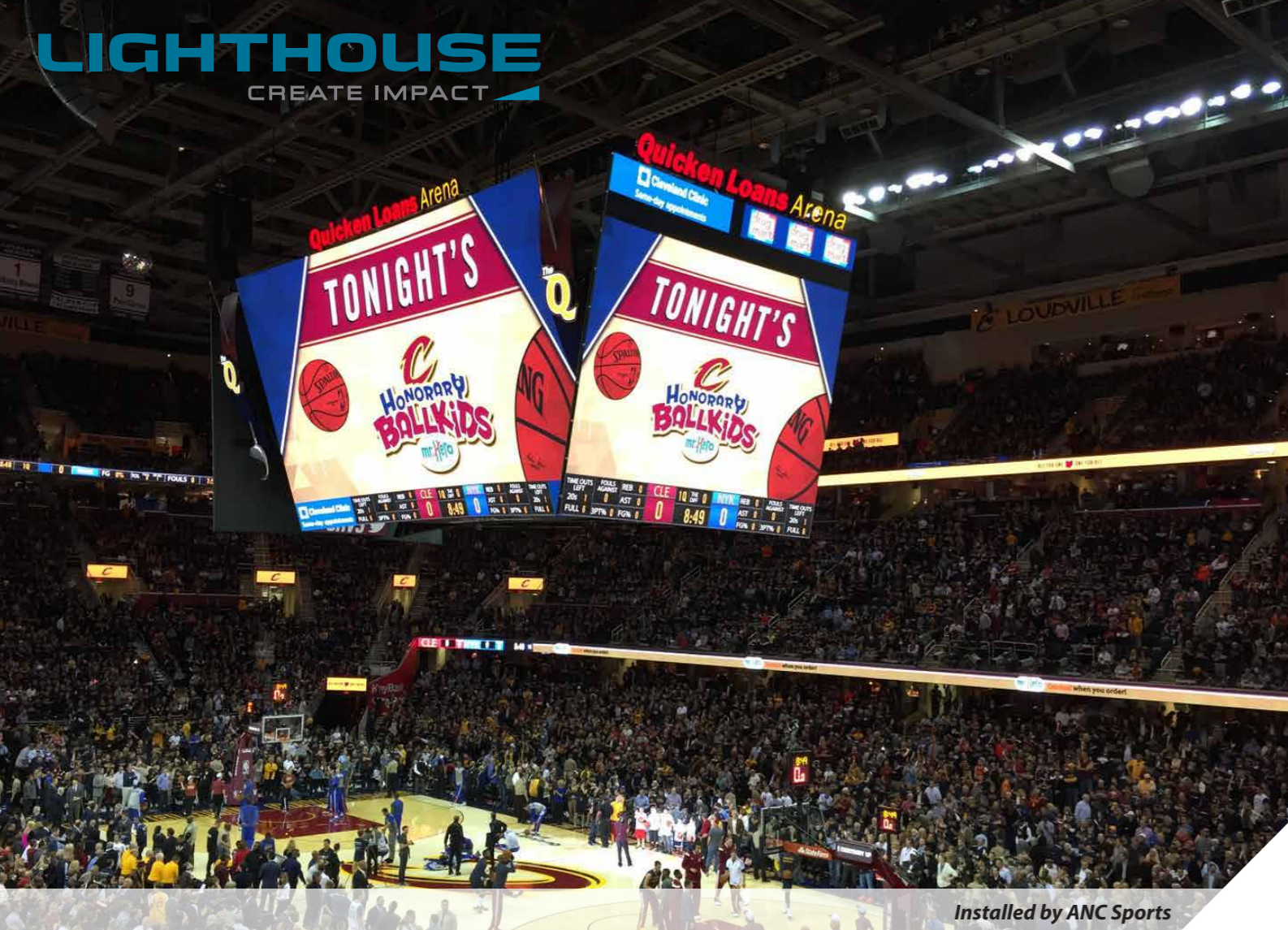
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IN-VIEW
 Issue 49
 (US Edition)

MAKE A
 DIFFERENCE



Installed by ANC Sports

As LED technology advances, the variety of LED screen usages increase. By creating smaller mm pixel screens, LED screens not only can be used outdoors, but indoors as well. Now, LED pixel sizes are so small, it can be used in TV studios, conference rooms, retail stores, small theaters, and many more. Additionally, as more people discover the advantages and benefits of LED screens, more are choosing LED screens over traditional LCD screens.

However, with so many LED screen companies around the world, what is the difference between all these LED companies when they offer the same size and resolution screens? To answer this, different aspects can be evaluated: processing skills, mechanical design, quality of LED and mounting methods. Correspondingly, this is how LED company Lighthouse sets itself ahead of any other LED company.

As a multi-award-winner and the leader of the LED video display industry, Lighthouse is the epitome of the highest quality and standard of LED screens. We have one of the most effective production processes and management systems. Furthermore, we are ISO9001 & ISO4001 certified, as well as REACH & RoHS compliant. Such certifications and compliances allow us to be more effective as well as minimizing wastage. In addition to having an impressive production process & management system, Lighthouse also offers product safety, outstanding processors, supreme LED light bulb quality, and seamless mounting methods.

Accredited Supplier

First and foremost, Lighthouse takes the safeness of our products very seriously. Our products go through stringent scientific quality assurance procedures and multiple electrical safety tests. Some of the tests include electromagnetic compatibility, IP, ICT, vibration, reliability and operations. All of our products are fully certified to CE, FCC, ETL, and UL standards, due to the fact that LED screens without these certifications can have the possibility of structural failure, fire, electrical malfunction and shock. Moreover, our manufacturing site conducts periodic inspections to ensure preservation on all protocols. With these proofs of quality, our customers can feel safe using our products, knowing that it does not contain any restricted hazardous substances nor will cause electromagnetic interference with other devices.



Customer-oriented Design

Normally LED screens are made out of multiple LED panels. Not safely mounting these LED panels could cause unstable operation, electrical damage to the connected equipment, and potentially life-threatening hazards such as electrocution and physical screen collapse. As a customer oriented company, Lighthouse is constantly developing new ways to mount LED panels securely and seamlessly in a user-friendly way. This could save time and labor costs for our customers. Servicing could be easy with our screens as well, we offer front access and top access on most of our products.



Advanced Technology

A processor is undoubtedly one of the most important components for displaying a vivid, sharp, and clean video. Without a processor, a standard video signal cannot be directly displayed on an LED screen. The lack of a proper processor may cause the color to be off, fast motion video to flicker, or some original picture information to be lost. We pride ourselves on our processors. With Lighthouse's award-winning M5 Technology, users can have less than +/- 1.5% brightness variation pixel-to-pixel and less than +/- 0.001 CIR variations on all colors. M5 also includes Environmental Monitoring System, which gives extensive diagnostics evaluation, and allows remote monitoring, adjusting, and reprogramming. Likewise, Lighthouse has multiple processors and each is designated for a different type of venue. Some of the features include:

- Multiple color temperature adjustment
- Color corrector/color consistency
- Brightness uniformity control
- Only need one for multiple screens
- 16-bit color processing
- USB interface for computer setup and control
- Individual LED panel addressing

With Lighthouse's power processor, videos will be clean, true to color, sharp, and stable, all while consuming less energy.



Green and Fresh Ideas



Lighthouse's products are always new and innovative. We design our products with our customers' needs in mind. Our products are safe and environmentally friendly. Lighthouse also has exceptional processors that give problem-free true to color videos using superior LED light bulbs and seamless mounting methods along with easy access for maintenance. We strive to create superb user-friendly products with new designs and technologies. With Lighthouse's range of products, we can make your imagination possible.