UW Basketball Ready for Prime Time with StaxMAX LED Flood Lights

MaxLite®
A NEW WAVE OF LIGHT

CASE STUDY

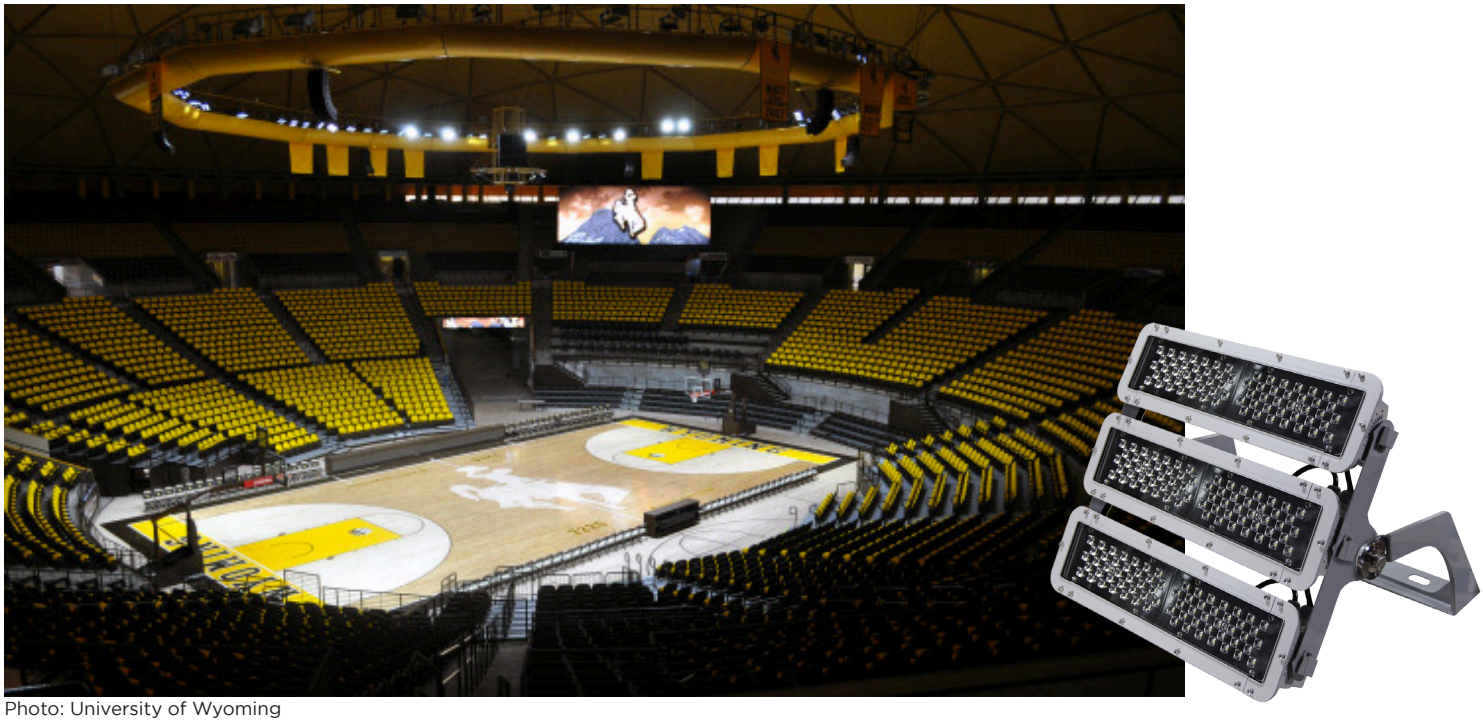


Photo: University of Wyoming

"The versatility and adjustability of the MaxLite products are tremendous and allowed us to meet the desired lighting levels with a minimum number of fixtures, providing us the most efficient use of light.

"This was very beneficial, as there is a limited amount of existing catwalk space to mount the fixtures, and we needed to laser aim the fixtures precisely from the computer-generated model to maximize the effectiveness of the light." – Ron Boone, R.J. McNutt & Associates

The Arena-Auditorium at the University of Wyoming is home to the Cowboy and Cowgirl basketball teams and holds the distinction of being the highest NCAA Division I basketball venue in the country with an elevation of 7,220 feet. In 2014, the 200,000-square-foot-facility underwent the first phase of a $30 million renovation to transform it into a premier facility for NCAA basketball and enhance the fan experience. Improvements to the Arena-Auditorium included state-of-the-art HD video boards, scoreboards, sound system and LED lighting.

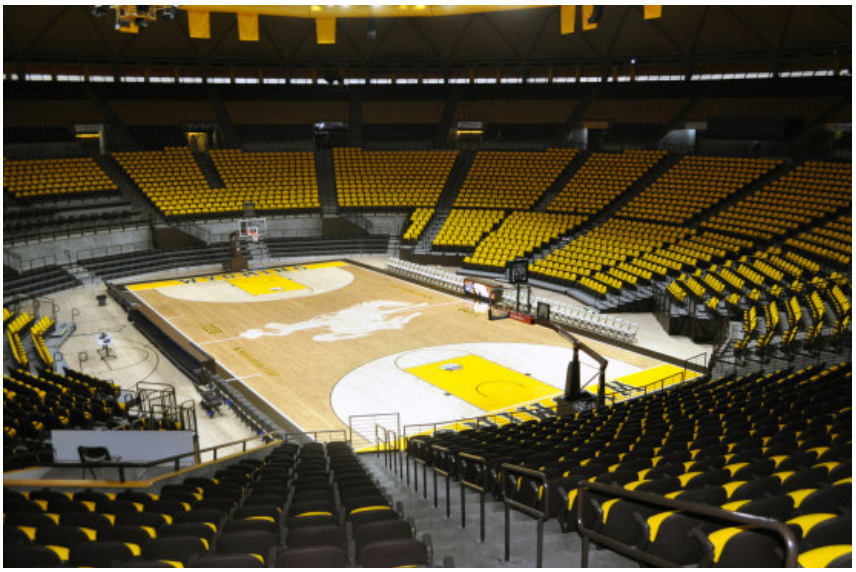
With the renovations, the University needed to meet the NCAA's new National Television Broadcast Standard Requirements for tournament play on the court, which required a significant increase in the venue's lighting. This was achieved using MaxLite's StaxMAX high-output LED flood lights, which provided an immediate 50 percent energy savings over the metal halide fixtures they replaced. In addition to significant energy conservation, the new StaxMAX fixtures also gave the teams the ability to turn the lights on and off during player introductions, creating more drama and excitement at the start of games.

The high output and efficiency of the StaxMAX enabled the Arena-Auditorium to meet the new NCAA broadcast lighting standards using the same number of fixtures that were in place before the renovation.

Seventy 1000-watt metal halide fixtures were replaced with a combination of 540-watt and 360-watt StaxMAX flood lights (quantities of 50 and 27, respectively). Unlike the incumbent fixtures, the StaxMAX are dimmable, which greatly enhances the energy savings with the control system as well.

The Arena-Auditorium has recognized immediate energy savings with the 50 percent reduction in wattage, and will save $124,820 over the 75,000-hour lifetime of the fixtures.

The project was designed by By Architectural Means/Sink Combs Dethlefs, with both electrical engineering and lighting design provided by R.J. McNutt & Associates.



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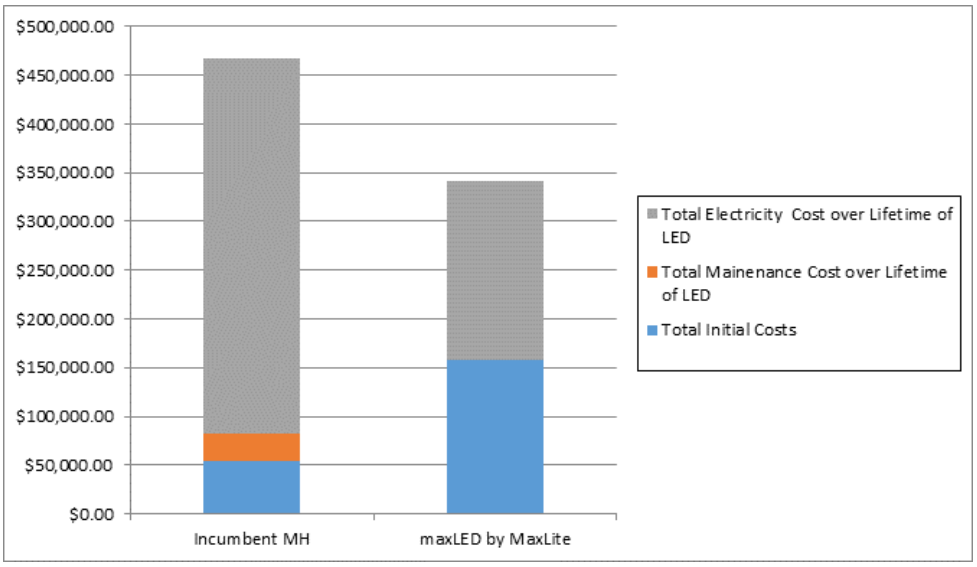
Total Estimated Costs Over Lifetime of MaxLite LED



MaxLite

MaxLite has been committed to providing energy efficient lighting products for more than 20 years, and was one of the first movers into LED technology in the industry. A four-time ENERGY STAR® Partner of the Year, MaxLite offers an extensive line of indoor and outdoor lighting fixtures featuring innovative LED luminaires and lamps using the latest state-of-the-art LED technology.

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