



## Gymnasium LED retrofit yields slam dunk performance, major energy cut

*The University of Texas at Dallas is taking full advantage of its Activity Center's new LED lighting and control system*

The University of Texas at Dallas utilizes its main activity center for everything from prime-time basketball games and spring graduation ceremonies to early-morning yoga and intramurals. The school was making do with 1,000 W metal halides over its center courts and 400 W metal halides over the side courts of the activity center's triple-wide gymnasium.

"It kind of felt like you were in a dingy dungeon if you were on the side courts," UT Dallas' Associate Director for Energy Conservation & Sustainability. "But we had to keep the lights on almost all day and we were very limited in our ability to control them."

***"With Regency Supply, our in-game experience has improved. We are now able to dim the lights for introductions and the brightness is greater, making it better for video broadcasts and photography."***

### Bill Petitt

Director of Athletics

The University of Texas at Dallas

### OBJECTIVES:

- Maximize control over building lighting
- Better illuminate cavernous corners of gymnasium
- Boost quality of lighting for fans and athletes
- Reduce energy consumption
- Dial in specific lighting configurations for events
- Introduce remote controllability for untimely functions

### PROJECT SUMMARY

- 46 fixtures retrofitted from 400 W metal halide to 225 W LED
- 10 fixtures retrofitted from 1000 W metal halide to 225 W LED
- RAB Lightcloud controls installed on every fixture
- Remote controllability achieved via RAB Lightcloud smartphone app
- Maintenance requirements reduced from retrofit to longer-life lighting

Last year, the school retrofitted its Activity Center to LED, and Junt says the performance of the lighting is as significant a benefit as the energy saved from retrofitting to lower wattage LED fixtures.

UT Dallas installed 46 RAB Rail LED fixtures and 10 RAB Shark fixtures, syncing them with Lightcloud controls. Not only does this maximize the facility's ability to dial in lighting levels for different events and functions, but it also allows the facility manager to remotely turn the lights on and off from a smartphone, which is especially nice when yoga practice starts at 5 a.m.

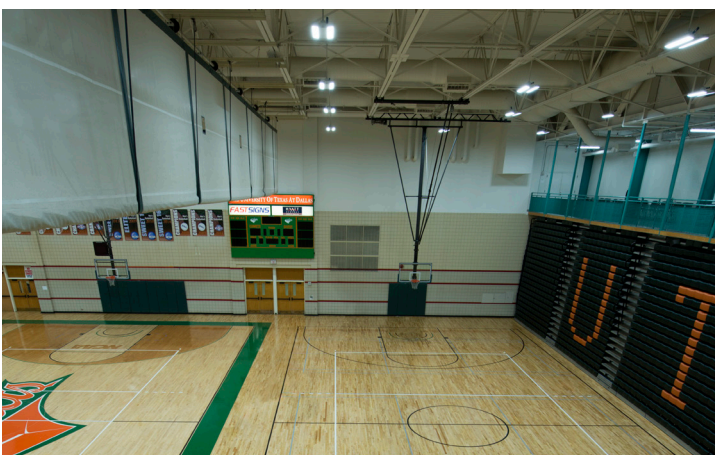
And the quality of the light output in UT Dallas' conversion to LED is not only enjoyed by the fans and athletes in the building, but also by the television viewers tuning in from home.

All of that, and the school has cut back dramatically on both energy consumption and maintenance needs. Under the previous metal halides, UT Dallas had to bring in special lifts for use on the hardwood court every 20 months to swap out lamps. They also would manipulate the lighting effect for special events like graduation ceremonies by simply unscrewing lamps in the rafters of one part of the gymnasium.

***"The new lighting system has really updated the look and feel of our gym courts. The ability to adjust each light individually has helped create specific lighting configurations for various events, such as graduation, career fair, and athletic events. The support we received from Regency throughout this process was amazing, and I truly appreciate their patience and understanding."***

**Tricia Losavio**

Director of Recreational Sports  
The University of Texas at Dallas



**Extreme controllability  
over lighting levels**

**Major boost in light  
quality, improving the fan  
and athlete experience**

**Reduced maintenance  
requirements**

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