Waldmann

ENGINEER OF LIGHT.

PROJECT SPOTLIGHT

ESTRELLA MOUNTAIN COMMUNITY COLLEGE
AVONDALE, ARIZONA

End User: Estrella Mountain Community College, Avondale
Architect: Orcutt | Winslow, Phoenix
Design & Lighting: Vince Rieselman, Senior Interior Designer, Orcutt | Winslow
Lighting Solutions: Waldmann TYCOON desk-mounted luminaires, with StructureLab RX 1 reflection sails

Project Review

Skill Center Remodeling

ESTRELLA MOUNTAIN COMMUNITY COLLEGE
AVONDALE, ARIZONA

Senior designer Vincent Rieselman of Orcutt | Winslow architects faced a challenge when remodeling the Skill Center at Estrella Mountain Community College in Avondale, Arizona.

A combination lecture hall and computer lab, the college's Skill Center was cavernous, measuring 60 feet by 60 feet, and was difficult to light efficiently.

"We had plenty of natural north light coming into the room," said Rieselman. Of course, usage of the center during cloudy conditions or at night required an efficient and effective artificial lighting solution.

After evaluating multiple options, the designer selected to install 70 Waldmann TYCOON desk-mounted luminaires, which utilize the latest T5 fluorescent lamp technology. In addition, StructureLab RX 1 Reflection Screens were chosen for use at the computer workstations.

The TYCOON Luminaires from Waldmann provided the lighting needed to transform the Skill Center into a more aesthetically pleasing learning environment, while the reflection screens not only added atmosphere, but also enabled indirect lighting. Students in the renovated lecture hall can now work with sufficient brightness but without glare on the their computer screens.

The college will benefit, too, with reduced energy costs. The "task lighting" solution afforded by the TYCOON luminaires allows each workstation user to adjust the light according to his or her needs, rather than relying on the uniform brightness – and higher energy requirements – of overhead lights.

In adopting this solution, Estrella Mountain Community College and Orcutt | Winslow are endorsing the concept of "daylight harvesting," meaning that if a space is awash in natural light during the day, a building's lighting system should burn less brightly during those hours.

Embraced by more and more building owners worldwide – and fully supported by solutions from Waldmann – daylight harvesting (or daylighting) maintains that the more a building can rely on natural light, the less it has to rely on artificial light.

Featured Waldmann lighting solution: TYCOON luminaires

For maximum efficiency, Waldmann TYCOON direct and indirect luminaires utilize the latest T5 fluorescent lamp technology. They can be used with standard electronic ballasts and electronic dimming ballasts, or provide precise digital dimming and occupancy sensing using Waldmann's DALI ballast and sensor technology.

With an optional, integrated DALI control sensor for daylight harvesting and occupancy sensing (PULSE HFMD), TYCOON luminaires can yield up to 80% energy savings when compared to standard lighting equipment. The basic unit comes with two light levels for greater control of the indoor environment.

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