

## Williams ASM Luminaire Meets the Challenge to Light University Microbiology Laboratory



### Job Specific Information:

- Fixture and Quantity: 62 ASM luminaires with twin T5 54-watt fluorescent lamps
- Mounting Height: 8'-6"
- Spacing: Up to 16' runs on 4' centers
- Footcandle Level: 100 fc. (average maintained) on counter tops
- For complete ASM specifications, see [hewilliams.com](http://hewilliams.com).

Initially the challenge was to light the microbiology building as part of a construction and renovation project on the 579-acre main campus at the base of the Rocky Mountains.

"I planned to use IES lighting standards for the lighting system for all three floors in the 20,000 sq. ft. addition," explained Rick Allen, P.E." However, when the University received a National Institute of Health (NIH) grant, our design was revised to meet the NIH standards—100 footcandles (average maintained) on the counter tops."

"For the open ceiling design on the first two floors I used a standard direct/indirect lighting system. However, the lower ceiling in the microbiology lab on the third floor required a fixture that was functional, yet attractive. We needed a system that concentrated light on the counter tops and mounted flush to the ceiling. During a factory tour, I found the system that met the challenge, the Williams ASM fixture with twin T5 54-watt fluorescent lamps."

Less than three inches deep, the ASM has a heavy-gauge aluminum housing, die-cast aluminum ends and a choice of high-impact ribbed acrylic diffuser or radial blade louvers. It can be surface mounted or semi-recessed for an ultra-low profile look; additional mounting choices include aircraft cable or pendant mounting.

"The ASM is a beautiful fixture and everyone is happy with the work environment in the new laboratory," Allen noted proudly. "They commented how much more light these fixtures provide than the old pendant mount luminaires."