

David M. Keith **Exterior Lighting Resume**

David Keith has worked for twenty years in lighting design, research and education, with an emphasis on exterior lighting, and as an active member and contributing professional to the Illuminating Engineering Society of North America (IESNA). He has taught classes on lighting to students ranging from grade school through college and including professionals receiving continuing education credits. He was the IESNA representative to the Colorado Office of Energy Conservation in 1997, developing energy guidelines for buildings in Colorado. He was the principal author for the 1999 revision of the section on exterior lighting in the IESNA Lighting Fundamentals Course ED-100. He has consulted with jurisdictions across the West on outdoor lighting ordinances and provided expert testimony in legal cases. His research into roadway lighting, energy use and light pollution was published in four papers in the Journal of the IES in 2000 through 2003. He has served on the IESNA Roadway Lighting Committee since 1987, including receiving their award for his 2003 presentation concerning roadway lighting, atmospheric scattering and light pollution. In 2002 David was honored as a Fellow of the IESNA and since 2003 he has served on the IESNA Technical Review Council.

For all of the following Colorado projects, David Keith was the project manager for Marshall Design, Inc.

SH119 – US6 to Black Hawk, lighting the two lane highway from US6 in Clear Creek up to Black Hawk, working for the Black Hawk Improvement District after an initial lighting proposal from the utility and CDOT was rejected by local citizens, conducting public meetings, working with the utility and CDOT, designing the continuous roadway lighting system for the 6+ mile distance, and presenting the proposed design to the appropriate jurisdictions and community members. After the completion of this project, CDOT received a letter from the concerned citizens, who had insisted that the initial CDOT-utility proposal for lighting the roadway be rejected, complimenting CDOT on the final result.

I-25 and 120th Ave: working with CDOT in coordinating the lighting for the interchange of I-25 and 120th in Thornton/Northglenn, developed lighting plans based on community and CDOT requirements and objectives, for both the interstate highway interchange and for the intersections of 120th with streets both east and west of the interstate.

City of Arvada, Outdoor Lighting Ordinance Development, working for the city to help develop an ordinance balancing lighting and preservation of the night sky, including conducting meetings with the staff and public, surveying the city's existing lighting, developing and leading tours of lighting for the city and public, proposing a document and working with the staff to have it adopted – unanimously and mostly as proposed – by the City Council in 2005.

Burt Ford Dealership, at Lincoln and S. Parker Road in the Town of Parker, working with the dealership and the town to refine the existing lighting ordinance to accommodate adequate lighting for an automobile dealership, then working with the dealership's design team to refine the lighting design, measure and evaluate the installation and confirm its compliance with the revised lighting ordinance

Residential neighborhood developments in the Front Range for the James Company of Boulder, including Challenger Park, Quail Crossing Townhomes, McKay Landings, Old Farm and Sage Creek, developing exterior lighting plans for townhome and high density residential neighborhoods.