

Lighting Technologies & Services, Inc.
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James L. Rhiner

Education	1957 - 1961	University of Iowa	Iowa City, IA
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BSEE Electrical Engineering
1966 The California Highway Patrol Academy, Certificate of Completion
1971 California Highway Patrol, Advanced Officer Course Certificate of Completion by the Commission On Peace Officer Standards and Training

Accreditations	Illuminating Engineering Society of N.A. Technical Knowledge Certification
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NCQLP Lighting Certified (LC) credential. National Council on Qualifications for the Lighting Professions.

Patents and Publications	<p>PATENTS: Holder of 2 different patents while employed at McGraw-Edison Co., Lighting Products Division. Patents were for design of HID lighting fixture reflector designs that eliminated light pollution and spill light.</p> <p>PUBLICATIONS:</p> <p>“The Language Of Lighting”. 320 page hardbound book of Lighting Design, Application, & Maintenance. 1983 The McGraw-Edison Company. ISBN # 0-8359-2625-7. Approx 80,000 in Circulation.</p> <p>“Lamps and Color”, Buildings Magazine, March, 1984</p> <p>HID Moves Indoor”: CEE Magazine, March 1984</p> <p>“Protective Lighting”, Buildings Magazine, April 1984</p> <p>“Outdoor Lighting Basics”, The Construction Specifier Magazine, April 1984</p> <p>“Indirect Lighting – An Enlightening Idea for CRT Stations”, Electrical & Electronic Equipment Newsletter, National Safety Council. July/Aug 1983</p> <p>“Street Lighting Manual” Chapter 12, “Circuits and Controls” Edison Electric Institute, ISBN # 0-921032-26-1</p> <p>Research Paper presentation At the I.E.S. Annual National Conference, July 1983, Atlanta, GA. “Glare, Glare Control, and Visibility in the Electronic Workplace”.</p>
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Awards received Two of The IES Edwin F. Guth Memorial Lighting Design Award Of Excellence. The Green Bay, WI Prison and The University of Wisconsin McClain Athletic Center, Madison, WI

Professional memberships The Illuminating Engineering Society of North America

Professional experience

1961 – 1963 California Electric Power Co. San Bernardino. CA
Lighting and Commercial Service Engineer

1963 – 1965 Pyle-National Co., Steber Lighting Div. Los Angeles. CA
Western Regional Lighting Engineer

1965 -1972 Calif. DOT, Dept. of the California Highway Patrol
State Traffic Officer and Special Projects & Planning
Sacramento, Norwalk, Anaheim, and Santa Ana, CA

1972 -1974 MWC Lighting Inc. Santa Ana, CA
Lighting Sales & Application Engineer

1974 - 1977 Cook Sales Agency Costa Mesa, CA
Vice- President and Lighting & Application Sales Engineer

1978 - 1989 McGraw-Edison Corp./Cooper Lighting Racine, WI
Manager, Application Engineering
Manager, Product Development and Marketing
Director, Technical Services & Marketing & Mgr. of Utility Sales

1989 – 1991 Lumatech Inc. Lighting Milwaukee, WI
Founding Partner & President. Manufacturers Lighting Agency

1991 – 1999 LumenEssence Milwaukee, WI
Founder & President. Manufacturers Lighting Agency

1999 - 2003 Point Source Lighting Menomonee Falls, WI
Contract Consultant for Technical & Specification Sales

2003 – Present Enterprise Lighting Brookfield, WI
Contract Consultant for Technical & Specification Sales

Concurrent 1994 to present
J R Lighting Inc. & Lighting Technologies & Services, Inc. Franklin, WI
Consulting Services on Illumination & Electrical Engineering Issues

The Illuminating Engineering Society of N.A. Milwaukee Section:
1981,Secretary; 1982, Treasurer, 1984 President; Member of The IES
National Education Committee, 1984/85.

Instructor of the I.E.S. Milwaukee Section, Basic and Advance Lighting
Courses. 1981-1989.

The McGraw-Edison 1982 Energy Conferences, Key Speaker, Osaka &
Tokyo, Japan; Hong Kong, China; Singapore, British Protectorate, and
Sidney, Australia.

Commissioned by The Vatican, Rome, 1982, to provide lighting design for St
Peter's Basilica, The Sistine Chapel, The Papal, Apostolic, & Vatican

Libraries, and The Vatican Museum including the Hall of Constantine.

Numerous other major lighting projects including: The Rose Bowl, Pasadena, CA, Anaheim Convention Center and Anaheim Stadium, Anaheim, CA, NORAD Command Center U S Government, Colorado Springs, CO, Pennsylvania Ave. Re-lighting, Washington, D.C., Static Test Stand Lighting, NASA Saturn Rocket China Lake Test Station Lighting, China Lake, CA. Numerous other Commercial, Industrial, Retail, Institutional, Transportation, and Sports lighting facilities.

Advisory Board Member to the University of Wisconsin and Mount Mary College Interior Design Departments. 1987-1990

Expert Witness on Lighting Engineering, Electrical Engineering, Product Design, & Lighting Visibility conditions in personal injury cases concerning traffic, industrial, and commercial accidents & conditions.

Volunteer
experience

Community Development Authority, Past Commissioner and Vice-Chair,
City of Franklin, WI

Economic Development Commission, Past Commissioner, Franklin, WI