

**SOLID STATE LIGHTING SECTION
NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION**

Statement of Activity and Operation

The physical behaviors exhibited by solid state materials are substantially different from traditional lighting technologies. The Solid State Lighting Section promotes the understanding, implementation, and adoption of semiconductor light sources in specialty and general lighting systems. The Section will continue to evaluate new technologies and adopt those that fall within the category of solid state lighting.

The Solid State Lighting Section is tasked with integrating solid state light sources in existing lighting practices and the creation of new practices to fully exploit the technologies' potential. Therefore, the Solid State Lighting Section will include all related downstream use including applications, control, and power necessary for effective use of solid state light sources. This also includes building and maintaining a center of expertise, creating definitions of terms, and coordinating activities with the sections of the NEMA Lighting Systems Division, of other portions of NEMA, and of recognized policy and standards setting organizations.

The Solid State Lighting Section recognizes many topics as being of specific concern for solid-state lighting including, but not limited to, the following topics: reliability and lifetime, interconnects, efficiency and environmental impact, color standards, user indices, and interpretation, power and control systems, luminaires, lamps and their design, metrology, optical systems, software, human factors, field installation and electrical and building code requirements, compliance and safety, thermal issues, market barriers, product certification, economics, and complete lighting and light distribution systems and their design.

Solid State Lighting introduces a whole new level of flexibility in lighting solutions such as control of intensity, color, and other technical parameters; therefore, this scope will be reviewed on an ongoing basis.

Approved: June 22, 2001