



Design Services OVERVIEW

FSG Design offers full-scale lighting design that emphasizes the lighting design process, from the programming phase to final bid-construction and post occupancy; we guide our clients through a plethora of offerings to find the appropriate lighting system that is tailor fit for each organization's exact needs.

In a world of modern, increasingly complex lighting systems it is important to partner with a lighting designer that can offer expertise ranging from the artistic to the administrative and from the collaborative to the evaluative. FSG strives to be one thing above all and that is to be your one-solution for all lighting and electrical needs.

Programming Phase

Comprised of many backgrounds, our team includes NCQLP Lighting Certified professionals and Professional Engineers, as well as members of both the IESNA and IALD. We actively engage our customers to fully understand both their needs and their requirements, whether motivated by energy savings, lighting improvements or life-safety concerns; we consider a myriad of products to determine the best solution.





Schematic Design Phase

Continuing from concept to reality, FSG's design team now incorporates the customer's needs with IESNA recommendations and standards. Using AGI32, initial drawings are created for review that shows the initial layout and the targeted illumination levels.

Design Development Phase

Working in unison with the customer's architects and other designers, FSG's team begins finalizing the design by understanding any and all building systems, obstructions, code compliance and life safety requirements. All of this culminates into a final set of drawings and specifications for review.

Contract Documents Phase

In the final push before creating the scope of work and construction documents, FSG finalizes the illumination level calculations for both the exterior and interior portions of the project, creates and compiles any necessary documentation for LEED designation, works with a strategic partner to assess and submit for EPACT incentives, applies for and administrates all available utility rebate incentives and finalizes both the luminaire schedule and the lighting controls schematic.

Contract Documents Overview

Lighting design documents will vary from project to project, but normally will include:

- Lighting plan to indicate the locations and luminaire types for all lighting within the scope of work, as well as the control locations and circuits
- Drawings that show mounting details, building sections and elevations, custom luminaire details and other supplemental information
- Luminaire schedule to specify luminaire attributes, catalog numbers and lamping
- Lighting specifications to outline general requirements for the lighting system
- Dimming and controls schedule to specify control attributes
- Submittal package to illustrate specified luminaries and controls

At the conclusion of the contract documents phase, the package of lighting documents is ready for bidding.

Bid – Construction – Post Occupancy

Bringing together all of FSG's many facets and resources, FSG now assumes the role of clarifier, administrator and evaluator. Providing in-depth financial modeling, FSG demonstrates the effectiveness of the lighting system by evaluating the energy and maintenance savings in conjunction with any EPACT and utility incentives using software packages such as Green Solutions and our own Lighting Energy Analysis spreadsheet that can show both simple paybacks as well as more detailed Life Cycle Analysis. Once the project is installed and complete, FSG can visit the site for any necessary commissioning of the lighting and control systems to ensure proper function and customer satisfaction.

2525 Walnut Hill Lane, Suite 400, Dallas, TX 75229
Phone (800) 347-5530
www.fsgji.com