

## **LIGHTING DESIGN FOR RESIDENTIAL CLIENTS**

### ***Why is lighting design important?***

Perception of your environment after dark is dependent on how it is illuminated. Good visibility, a positive psychological response and the ability to reveal quality interior design and architecture will result if the proper quantity and quality of illumination.

Illuminart's expertise is in the art and technology of lighting design. We use our experience to create lighting plans that provide the ideal luminous environment for residential projects. We keep abreast of the latest in lighting technology and design techniques to achieve the best possible results for your unique requirements.

### ***Who benefits from lighting design services?***

As a homeowner, you will benefit from our services by being assured of a "career professional" approach to lighting design. Architects and interior designers typically have limited knowledge in lighting design unless they attended lighting trade shows and education programs regularly. Sales representatives and "lighting designers" staffing lighting stores specialize in the products they offer and usually not trained or knowledgeable in professional lighting design.

Experienced Illuminart design professionals operate independently of equipment manufacturers and can specify the products that precisely fit the needs of your project. This enables us to design just the right amount of light to meet the needs of your project and construction budget.

### ***When should I get in touch with a lighting designer?***

It is best to design the lighting as the space is being developed in collaboration with your Architect and Interior Designer so, the earlier, the better. You may contract Illuminart at any time however....before, during or after the construction of your home. We are best able to assist you prior to the wiring of your home, since fixture placement and control systems decisions are made during that stage. We may also assist for the redesign of an existing installation that is not serving your needs.

### ***How does lighting design work?***

Illuminart services take the form of a drawings and specifications. Like an architect, we provide the ideas and specifications that the contractor uses to construct your home. Illuminart provides its services for a fee. The fee is estimated for you prior to beginning a project based on the scope of work. The estimate will be based on a review of your floor plan and conversation about the extent of the services to be provided. Typically, fees start at \$1200 for a small, 1200 sq ft area and can go up from there. The service benefits are not only found in having the lighting done right the 1<sup>st</sup> time and the dynamic results that great lighting can have in your home but also in having a specification provided to help you control your construction costs.

In large projects (10,000sq ft), our lighting plans and specifications are most effective when incorporated by an electrical engineer into their electrical drawings and specifications. The lighting design is then coordinated early with the mechanical systems of the project, reducing conflicts later in construction. We can provide our layouts directly to an electrical or general contractor, who then purchases and installs the equipment specified.

### ***What lighting design services are available?***

Illuminart basic services can take the form of "Conceptual Design Lighting Workshop" or "Comprehensive Design." Under these general headings, the exact form of service may be tailored to suit your project's needs. Below are descriptions of the various ways Illuminart can assist you:

#### **Conceptual Design "Lighting Workshop":**

Illuminart will host a meeting in our offices to be attended by all individuals important to the design process (owner, architect, interior designer, contractors, etc.).

During this meeting, the drawings of your proposed residence will be assessed, room by room, for lighting requirements. At this meeting, Illuminart will *mark-up existing drawings* and provide keyed *manufacturers' specifications*.

**Mark-Up Existing Drawings:** A lighting plan will be sketched onto your blueprint, or copies of your blueprint, which is to be implemented into detailed construction documents by your project architect.

**Manufacturers' Specifications:** A booklet of photocopied manufacturer's catalogue sheets to illustrate the various fixture types selected is provided. These cut sheets will be keyed to the sketch plan with lettered fixture types.

*Further services and site visits will be provided upon written request. Site visits, additional meetings and expenses will be billed as incurred.*

### **Comprehensive Design Services:**

Illuminart will provide coordination with designers and contractors. Over the course of the project, Illuminart will be available to answer questions and provide additional documentation as needed. (Additional documentation provided does not include information needed as a result of major changes in the program.) Services include drafting, professional specifications in Illuminart format, design meetings (as necessary), site visits (as necessary) and a final focus and orientation, in addition to other optional services. See below for definitions of these terms.

**Drafting:** Drafted layouts can be provided including fixture types, approximate location relative to architectural elements, control groupings and special schematic details where necessary.

**Specifications with Cut Sheets:** Type-written lighting specifications can be prepared including manufacturer's catalog number, lamp type and any special notes to the installer. This will include a package of manufacturers catalogue sheets (cut sheets) keyed to the specification

### **Review:**

**Economic Analysis:** This can include pricing estimates for equipment specified by Illuminart.

**Lab Research:** For those areas with particularly complex requirements, computer analysis may be utilized. (This service is rarely necessary for residential projects)

**Day Lighting Design:** Skylights, window size and placement are determined by computer analysis.

**Control Systems Design:** From simple wall-dimmers to complex central computer systems, Illuminart can lay out the control system according to your needs.

**Lighting Mock-up:** Illuminart has a sample stock of light fixtures we can use to demonstrate effects. This demonstration may be performed on-site or in our offices.

**Photo Study:** Photos are taken by Illuminart to document existing conditions. Lighting effects are drawn onto copies of the photos so that you may visualize the end results of the lighting plan.

**Design Meetings:** Any number of design meetings may be necessary. The first will cover the initial concepts and establish the program for our design. Subsequent meetings will clarify issues brought up over the course of creating a preliminary lighting plan.

**Site Visits:** Prior to construction, a site visit may be necessary to develop documentation of the existing building if documentation is not available. If documentation is available, a site visit will enable us to get a better sense for the needs of the project. Site visits may also be performed as construction progresses to insure that the job is moving along as planned.

**Site Focus and Orientation:** One of the most important parts of any lighting system is proper aiming of adjustable fixtures. Illuminart will perform this final site visit to aim the adjustable fixtures correctly and to insure that all luminaires and control systems have been properly installed. This will ensure that the end product looks and operates as intended in our design. The end user will be given an orientation to the new system so the lighting may be maintained and utilized to its intended potential.