

# Services

## Design

Lighting controls have traditionally been used to create moods. Today, they are also used as part of a high quality energy efficient lighting system that integrates daylight and electric light sources to provide a comfortable and visually interesting environment for the occupants of a space. Electric lighting controls are appropriate for a wide variety of spaces, from restrooms to large open offices, from conference rooms to classrooms. They can be incorporated with daylighting to provide flexibility, energy savings, and ecological benefits. Although lighting controls are still most commonly used in commercial buildings, they are becoming increasingly popular in residential applications.

Although lighting controls are created for the purpose of visually interesting environment, it's important to understand that lighting control system are there today to satisfy code requirements.

## Relevant Codes and Standards

### Federal Mandates

- *Code of Federal Regulations*, 10 C.F.R. § 435, Energy Efficiency Standards for the Design and Construction of New Federal Low-Rise Residential Buildings"
- Energy Policy Act of 2005 (EPACT)

# Federal Criteria

- *UFC 3-530-01 Interior and Exterior Lighting Systems and Controls*
- *UFGS 26 51 00 Interior Lighting*

# Standards

- *Title 24 – California Energy Commission*
- *ANSI/ASHRAE/IES Standard 90.1–Energy Standard for Buildings Except Low-Rise Residential Buildings*
- *IES Lighting Handbook*
- *IES RP-1, American National Standard Practice for Office Lighting (ANSI Approved)*
- *IES RP-16, Nomenclature and Definitions for Illuminating Engineering (ANSI Approved)*

## Selecting the appropriate lighting controls

# Pre-programming

For every Lighting control systems, programming is always a big part of the job. Whether you want certain lighting fixtures to follow a time schedule or to be automatically turned on and off depends on the occupancy in the area. Programming on site can be confusing and tedious. Fortunately, most lighting control systems can be pre-programmed before shipping out to the site.

Lite Rite Controls offers pre-programming on the popular LC&D Blue Box lighting control panels. So that you can get the system up and running with minimum effort. We offer varieties of pre-programming on other lighting control systems as well such as the nLight Digital Lighting system from Acuity Brands

and Lutron's RadioRA 2 Lighting Control system.

## **Remote programming**

At Lite Rite Controls, we also provide remote programming services. If you have any questions related to the programming on the Lighting control systems. Feel free to give us a call and our friendly professionals will be able to help you through the phone no matter where you are. Contact us at [info@literitecontrols.com](mailto:info@literitecontrols.com) or call us at 562.294.0660.