

Bright Ideas

Summer 2007

Georgia Power
Outdoor Lighting Services

Welcome to Bright Ideas, your source for information on outdoor lighting issues, products and ideas. Georgia Power's Lighting Services group works to bring you the most updated information about the industry and your options for outdoor lighting. **In this issue, you can find the latest on "dark skies" ordinances and how you can utilize the best in outdoor lighting while meeting your community's needs as well.**

Georgia Power helps you comply with local lighting ordinances

In the past few years, an increasing number of states, cities and counties across the country have adopted ordinances that have provisions for "night sky" or "dark sky" regulations. These ordinances incorporate standards for lighting that regulate how much light can be directed or reflected into the sky at night, with the overall aim being the reduction of light pollution, including sky glow, glare and light trespass.

The Illuminating Engineering Society of North America (IESNA) and the International Dark-Sky Association are currently developing a joint Model Lighting Ordinance (MLO) that is intended for adoption by communities interested in regulating outdoor lighting. The first version of the model will address commercial and residential lighting applications and will be expanded later to address street and roadway lighting within the public right-of-way.

"In developing the Model Lighting Ordinance, we have tried to keep in mind who will use it," said Rita Harrold, spokesperson for the IESNA. "Because municipalities and communities don't all have lighting experts on staff, we are keeping it simple." Two lighting methods are being recommended: the prescriptive method provides minimum lighting requirements for each lighting zone; the performance method involves a review process based on the classification of lights used. **more**

Call 1-888-768-8458 or visit

<http://outdoorlighting.georgiapower.com>

for more information about Georgia Power

Outdoor Lighting. Our lighting experts

will be happy to help you learn more

about creating a bright, inviting outdoor

environment for your business.



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Compliance with local lighting standards

With the MLO set to be released later this year, the number of lighting ordinances in Georgia may increase. Georgia Power's outdoor lighting team has worked with a number of communities and businesses on outdoor lighting that meets reasonable and enforceable lighting ordinances. Our experience can help you utilize the best lighting solutions for your business while following appropriate ordinances and regulations.

Following the "performance method" for designing your outdoor lighting system, Georgia Power's lighting experts can create a computer model of your current or proposed lighting system and provide a photometric layout of the system. This allows you to see exactly how much light you have and where it is going, and means you can meet your communities' lighting ordinances effectively and efficiently.

We are ready to implement the best lighting system for your needs and can help your business work within the regulations in your area. For more information about how you can comply with the lighting ordinances in your area **call Georgia Power Lighting Services at 1-888-768-8458.**



Need outdoor lighting? Georgia Power can help.

A well-designed lighting system can help you provide an environment that enhances your employees' and customers' overall comfort and security, which makes it an attractive place to work and do business. And with help from Georgia Power's outdoor lighting experts, creating and maintaining your lighting system is easy.

Here's how it works:

Free Lighting Analysis

Georgia Power Outdoor Lighting has the expertise and experience to create a lighting system that will meet your needs, whether that involves cost-effective upgrades or an efficient new system.

- Free analysis of your lighting needs, current lighting levels and problem areas
- Tailored proposal for the best solution to create a comfortable and appealing environment for your customers and employees

Available Anywhere in Georgia

We can serve your needs anywhere in the state, even if your electric load is not served by Georgia Power.

- Prompt, reliable service from a trusted company
- Expert lighting analysts and designers

Services and Fixtures

Let our outdoor lighting experts help you create the lighting system that best fits your business.

- Design, layout and installation services available
- Expert assessment of how much and what type of light is needed to create a more secure outdoor environment
- Extensive selection of the latest decorative pole and fixture options

Flexible Leasing Options

Georgia Power provides the option of an operating lease, which lets you budget effectively for lighting costs.

- No up-front capital required
- No ownership risk or unpredictable maintenance costs
- Simple budgeting with a flat monthly fee added to your electric bill
- All maintenance, parts and labor are included in your lease, including repair or replacement

To learn more about how Georgia Power Lighting Services can benefit your business, or to schedule your free lighting analysis, call 1-888-768-8458 today.

Outdoor lighting options meet night sky ordinances

“You can’t look at a light and tell if it will meet night sky ordinances without testing it,” says Kevin Fitzmaurice, one of Georgia Power’s outdoor lighting experts. He should know; he’s worked with businesses in Savannah and Chatham County to develop lighting systems that meet the communities’ lighting ordinances. “We’ve been working with lighting ordinances in this area for more than five years,” he said, “so we have a lot of practical knowledge about what works.”

In areas where ordinances require it, or when a customer requests it, our outdoor lighting team utilizes a variety of cut-off fixtures to meet dark skies standards, reducing things like glare and light reflecting toward the

sky. Many of the fixtures you may have used for past projects, including Galleria and post top lights, are available in cut-off versions, so you can choose the lights you want and need without worrying about meeting area standards.

Fitzmaurice says that many outdoor lighting fixtures are “dark sky friendly,” even if they don’t appear to be at first glance. “In many cases, it depends on how the light is used within the entire lighting system,” he said. “We don’t necessarily use only fixtures that are dark skies certified.”

A few of the fixtures that can be used in a dark sky friendly outdoor lighting system are shown right.



Granville



Lexington Dayform



Generation ARC

Model Lighting Ordinance Recommendations

From www.darksky.org

NOTE: THESE RECOMMENDATIONS ARE IN DEVELOPMENT AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.

- *Recommendations shall be based on light use.*
- *Light shall be measured in photopic lumens; corresponding wattages will be provided.*
- *Luminaires shall be classified by high angle output and uplight through the Luminaire Classifications System (LCS).*
- *Zones shall be identified by five Lighting Zones (LZs), LZ-0 through LZ-4.*
- *Two lighting design methods shall be recommended:*
 - *The prescriptive method shall provide minimum requirements, based on allowed lumens per square foot, for each lighting zone; this method shall be intended for most lighting projects.*
 - *The performance method shall require compliance with a special review process, based on the LCS, for certain special applications; this method is intended for complex lighting projects.*
- *Limits on lighting installed for public benefit shall not be imposed; however, communities shall be encouraged to evaluate and improve their public lighting systems based on MLO recommendations.*