



SIMPLIFIED PROGRAM TO ATTAIN FEDERAL MANDATES

Government Energy Management (GEM) helps agencies meet federal energy mandates with the best value use of appropriated funds or through multiple financing options

The mandated energy goals of the Executive Orders and Energy Acts are largely unfunded; GEM has the funds and resources available to agencies in order for them to meet their GHG reduction goals and energy conservation goals.

expected L70 life of GEM's energy efficient lighting from 50,000 to 60,000 hours.

- The GEM Energy Protection Device protects ALL of your electrical devices from dangerous voltage spikes while increasing their lives, creating additional significant cost savings.

HOW CAN YOU PAY FOR IT?

You can purchase the product and installation outright or you can pay for it through the GEM Energy Saving Payment Agreement. Here's how it works:

OUR SOLUTION

We offer state-of-the-art technology that will:

- Help you meet the mandates.
- Provide procurement support for agencies as GEM is in an alliance with Federal Prison Industries.
- Be available even if appropriations are not available, GEM's products and services are available through third party financing.

We help you meet the energy reduction mandate:

- We replace light fixtures and light bulbs with low watt, high luminescent LED energy-efficient lighting and install our patented GEM Energy Protection Device resulting in substantial energy savings.
- Adding the GEM Energy Protection Device extends the

- UNICOR manufactures the LED lighting and the GEM Energy Protection Device so you have a Buy American compliant product.
- Our FAR compliant buying mechanism allows our customers to buy directly from UNICOR as you do now for products and services under FAR 8.6 or, if you prefer to use Interagency Agreements, authority is under FAR 17.5.
- We have an agreement with UNICOR to provide product, assessments, surveys, installation, and payment plan.
- You can be on your way to meeting and exceeding the Federal mandates for cost savings and energy reduction.



For more information:

Phone: 843-419-6738
Fax: 843-419-6739
email: info@govenergymgt.com

Government Energy Management
10162 S. Bellwright Road
Summerville, SC 29483



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Street/Parking lot



The GEM Energy Efficient Lighting will:

REDUCE your energy consumption by 50-80%

LOWER maintenance costs

EXTEND the life of your lighting

Product Benefits

- Reduction of energy use due to lightning by 50-80%
- No flickering
- No buzzing
- No ultraviolet light
- Over 50,000 hours of use
- DLC[®] and ENERGY STAR[™] rated
- All types of indoor and outdoor available
- Lower operating temperature

Who can benefit from the GEM Energy Efficient Lighting?

Any building, company, or facility that uses electricity

How does it work?

Our Energy Efficient Lighting replaces all of your current conventional lighting. We offer all types of indoor and outdoor LED lighting systems. Our products are state of the art utilizing proven and vetted cutting edge technology and components.

How soon can you expect the benefits of the GEM Energy Efficient Lighting to begin?

Immediately (after installation by our qualified technical staff)

Our DLC[®], Energy Star[™] rated, and UL certified products can be used with our GEM Energy Protection Device to protect and extend our current industry leading warranty.



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Specifications	Indoor	Outdoor
Operating voltage	12V-DC, 120-277VAC	120-277V, 340-480VAC
Color temperature	2700-6000K	3000-6000K
Power Factor	>.95	>.90
Warranty without GEM EPD	50,000 hours	5 year
Warranty with GEM EPD	60,000 hours	10 year
Ultraviolet light	None	None
Lumen Output	150-5,000L	450-27,000L
Dimmable	Yes	Yes
LED Junction temperature	<95C	<100C



United States Army Reserve
Trenton, NJ

1. Energy Saving

GEM’s Energy Efficient Lighting offers a wide variety of options for energy savings. Our T8 and T12 LED replacement lamps offer energy reductions of up to 70% over conventional fluorescent lamps and range in color from 3000K to 6000K. GEM’s outdoor line of LED products can offer savings of up to 80% and immediately eliminate all ongoing maintenance costs. All of GEM’s interior LED lamps burn on average 25% cooler than current conventional fluorescent and incandescent lamps which results in lower heating loads and energy costs.

2. Made in the USA

All GEM Energy Efficient Lighting products qualify as “Made in the USA.” GEM’s world class engineering and product design capabilities means that any conventional lamp can be “retrofitted” with a new GEM Energy Efficient Lighting solution. GEM’s UNICOR factories are all UL and ISO compliant meaning that every GEM product manufactured by UNICOR meets UL guidelines and GEM’s Quality Assurance Program. Each GEM product is individually tested at the factory to ensure product performance and minimize product disruption.

3. Indoor

GEM offers a wide variety of UL and Energy Star rated indoor LED lamps. All GEM LED lamps are direct replacements for your current high wattage and high temperature output CFL, fluorescent, and incandescent lamps. Our new dimmable LED flat panel offers a quick and easy replacement for your T8 and T12 fluorescent fixtures. GEM also offers T8 LED linear lamps ranging from 2 feet to 8 feet for those who want to keep their existing fixtures. GEM LED linear lamps install directly into your existing fixture with minimal wiring. GEM offers dimmable Par20s,

PAR30s, PAR38s, R30s, and MR16s with bi-pin or GU10 bases. All of GEM’s interior incandescent solutions can be retrofitted into your existing fixtures, come with our 50,000 hour warranty, and provide energy savings ranging from 50 to 80%.

4. Outdoor

GEM Outdoor Energy Efficient Lighting is manufactured with the same knowledge, expertise, and quality as our indoor products. GEM’s LED product line is manufactured by UNICOR at their Danbury, Connecticut facility. GEM’s outdoor product offerings include LED Parking Lot lights, Street Lights, High Bays, Wall Packs, Flood Lights, Tunnel Lights, and Specialty Lights. GEM engineers and designs its own mounting brackets to work in conjunction with your current street and parking lot poles and existing building attachments. All GEM outdoor lighting products are “Dark Sky” compliant and are available with dusk to dawn photocells and/or occupancy sensors. All GEM outdoor lighting products are available in custom colors and come with a full 10 year warranty against product defect or failure.

5. Maintenance

There are many advantages to using GEM Energy Efficient Lighting. First, there is an ease of installing (retrofitting) your existing lamps with GEM LED lamps. Second, GEM LED lamps do not require ballasts to operate. No more labor hours changing out ballasts and the cost of new ballasts is eliminated. Third, GEM LED lamps will last 3 – 20 times longer than conventional lamps so the cost of re-lamping is eliminated for years to come. GEM’s world class warranty offers a full product replacement for any defect or failure. During the warranty period ALL maintenance costs are completely eliminated.



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GEM Energy Efficient Lighting Warranty Information

The combination of GEM's industry leading line of Energy Efficient Lighting and the patented protection technology contained within the GEM Energy Protection Device is second to none. The GEM Energy Protection Device's ability to lengthen the useful life of all connected devices has allowed us to offer a level of warranty protection and assurance that is unmatched.

Warranty Information

	Interior	Exterior	Panel Lighting
With the GEM Energy Protection Device	12 years	10 years	12 years
Without the GEM Energy Protection Device	5 years	5 years	10 years

** Warranty information is based on Energy Star's estimated typical burn rate of 14 hours per day**

Hourly Usage Warranty Breakdown

Daily Hours of Operation	Annual Hours of Operation	Expected Product Life with GEM Energy Protection Device (years)	Expected Product Life without GEM Protection Device (years)
5	1,825	32.88	27.40
8	2,920	20.55	17.12
12	4,380	13.70	11.42
14	5,110	11.74	9.78

Users operating more than 14 hours per day should contact GEM for extended warranty options

All products and materials are sold at or below our best commercial pricing



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