

***Lighting
a Greener
Future™***



Cost Reducing Outdoor Lighting with
High-Efficiency / Hi-Reliability LED's



How much will you save?

PER LIGHT FIXTURE OVER A 14 YEAR PERIOD

Below are examples of 70 / 150 / 250 Watt Metal Halide Fixtures versus equivalent brightness fixtures from Green Machine Light Engine to illustrate potential saving per single light fixture.

	70 Watt Metal Halide Fixture	WP407 GMLE Small Wall Pack	150 Watt Metal Halide Fixture	WP402-2 GMLE Medium Wallpack	250 Watt Metal Halide Fixture	WP403-3 GMLE Large Wallpack
Original Cost:	\$100	\$235	\$200	\$475	\$300	\$575
Replacement Bulb Cost	\$20		\$35	-	\$55	-
Replacement Labor	\$40		\$40	-	\$40	-
Interval	2 Years	-	2 Years	-	2 Years	-
Bulb Costs	\$420	-	\$525	-	\$665	-
Inspection Labor	\$2.50	-	\$2.50	-	\$2.50	-
Interval	Monthly	-	Monthly	-	Monthly	-
Inspection Costs	\$450	-	\$450	-	\$450	-
Power Consumption	84 Watts	20 Watts	180	40	300	60
Cents per kWh	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20
Hours per day	12	12	12	12	12	12
Electricity Costs	\$1,104	\$263	\$2,221	\$526	\$3,692.34	\$788.40
Electric Rebate:	-	-\$14	-	-\$30	-	-\$51.98
TOTAL	\$2,074	\$484	\$3,406	\$970	\$5,107	\$1311
	\$1,590		\$2,436		\$3,796	
	per light fixture		per light fixture		per light fixture	

Savings are calculated over the 60,000 hour lifetime of our LED Light Engine. Other savings could result from eliminated disposal costs of light bulbs with toxic materials and replacement ballasts; Ladder truck rentals to get pole-mounted and hard to reach light fixtures; reduced liability costs from broken and burnt-out lights. Utility rates vary by region.

Multiply these savings by 100 or a 1000 fixtures and the savings really add up. Savings with larger fixtures are substantially higher. It is anticipated that our customers will typically recoup their initial investment in 2~3 years.

Contact us for a simple worksheet so you can calculate the actual savings for your specific situation. Also ask us about 5 year financing terms to allow you to start saving money today!

How much better will you see?

Below is an example of an installation replacing Sodium Light Fixtures with similar Lumens GMLE Wall Packs. The color difference alone provides substantially better visibility.

BEFORE:



AFTER:



"Going green was simple with Green Machine Light Engine. Our energy savings are amazing and we like the convenience of not replacing bulbs all the time."

- Hale Ohana, Westin Hotels, Maui

Consider the impact of improved visibility and reliability of your light fixtures (>60,000 Hours Reliability). Consider the possible reduction of liability in the form of accidents and crime potential. Consider the increased visibility for installed security cameras. Additionally, It is far more difficult for vandals to break our lights to perform their nefarious crimes. In some cases, improved lighting may even reduce your insurance rates.

Our Standard Product Offering



All Models feature a 5 year warranty; Universal AC input; Active Power Factor Correction; and IP65 Rating.

WP403 Model

- 18.1 x 9.1 x 9.5" Size
- 60 Watts Measured Consumption
- 3600 Lumens / 5600 Color Temp



WP402-Small Model

- 13.4 x 9.1 x 7.5" Size
- 40 Watts Measured Consumption
- 2400 Lumens / 5600 Color Temp



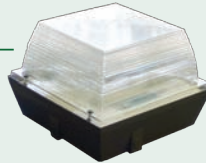
WP407 Model

- 11 x 6.7 x 5.2" Size
- 20 Watts Measured Consumption
- 1200 Lumens / 5600 Color Temp



WP405 Model

- 11 x 6.7 x 5.2" Size
- 40 Watts Measured Consumption
- 2400 Lumens / 5600 Color Temp



The Green Machine Light Engine is the work-horse for all our light fixtures. Increased Lumens may be achieved with additional Engines and heatsinks in each fixture.

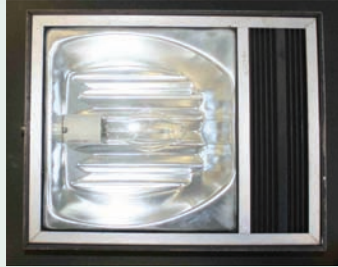


All models are powered by our GreenPower Converter featuring >90% efficiency and ultra wide operating temperatures.

Retrofit Example:

In some cases, it is impractical to replace the light housings. We can integrate our light engines into your housings, or send you easy to install retrofit kits that can be integrated on site. Below is a typical example of a retrofit.

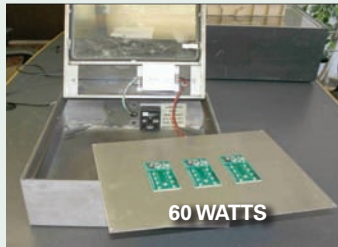
Existing
Luminaire



Bulb, Ballast &
Reflector
removed



Retrofit Kit complete
with Light Engine
assembly(ies), Mounting
Plate & Power Converter



“With the improved lighting at our school, our students and parents feel safer...it’s like a night and day difference.”

*- Queen of Apostles School
San Jose, Calif*

Here are all the pertinent facts:

- Average direct energy savings is greater than 70%
- Power converter exceeds Energy Star / CEC Level V standards
- Light Engine Assemblies are Made In the USA in the heart of Silicon Valley
- LED's are the most efficient light source (Lumens per Watt) per Wall Street Journal
- We use Phillips' LED's, the world leader in Lighting & LED technologies
- Our LED Light Assemblies have reliability in excess of 60,000 Hours
- Our lights are environmentally friendly - no mercury like fluorescent bulbs
- Instant-on / no warm-up or ballast start-up delays
- Much more rugged and vandal-resistant than delicate bulbs
- Utility rates are expected to rise 6% per year so the time to start saving is now

Some of our earliest customers include:



BEFORE (SODIUM 84W)



AFTER (LED 20W)

It's a question of "WHEN" you will change?

California has long established their CEC (California Energy Commission) Levels effecting electronics and minimum efficiency standards. The Federal Government adopted the Energy Independence and Security Act in 2007, mirroring California's laws and establishing even higher efficiency levels since then.



Understanding where the future of lighting and efficiencies are heading, we developed our products to far exceed existing efficiency levels to ensure compliance today and through the foreseeable future.

For more information about where the country is going, simply browse the Department of Energy's website. You will begin to better understand how efficiency requirements will begin to affect you.



<http://www1.eere.energy.gov/buildings/ssl/>



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