



## Comparison to Imitator Products

The first table shows the basic specifications and pricing for each brand of LED grow lights. When trying to determine a price to base this comparison on, where there was little consistency between online retailers- we used an average. Note that the LGM550 uses very little electricity. We are able to accomplish this through patented design features that eliminate the heat in our products. Because we do not create heat- we do not require the cooling fans found in high watt models. Unlike many LED lighting products that run on AC at the light, LGM products are specifically designed to use safe low-voltage DC power. LGM is the only LED plant light designed to be specifically powered directly by safe DC power sources such as photovoltaic, wind, and hydraulic DC generators.

### Specifications

LED BRANDS	WATTS	LIFETIME	COVERAGE	PRICE	SAFE DC OPERATION
UFO LED	90	50,000	12 sq ft	\$211.00	No
PITBULL	300	50,000	10-20 sq ft	\$1,046.00	No
ILLUMINATOR	350	50,000	30 sq ft	\$1,199.00	No
PROCYON	100	50,000	10 sq ft	\$599.00	No
LEDGrowKit	13	50,000	1 to 2 sq ft	\$97.00	No
LUMIGROW ES330	330	50,000	12-16 sq ft	\$1,499.00	No
<b>LGM550</b>	9	<b>100,000</b>	2 to 12 sq ft.	\$299.00	<b>Yes</b>

The economically priced modular design of LGM550 LEDs allow you to purchase several light bars and spread your light over a greater plot size, while spending less and using less energy than with larger high watt grow lights. Using modular units to spread targeted light over the entire plot ensures a more uniform light intensity giving plants light from multiple overlapping light sources. The electrical cost comparison shows the price of electricity each year using the same LED grow light brands based on average coverage area. It is easy to see why the LGM550 design features pay off in efficiency for the end user.

### Electricity Cost Comparison

30 sq ft	Watts	Hours Per Day	Days per Year	Watt Hours Per Year	KW Hours Per Year	Cost Per KWHR	Cost Per Year
3 UFO	270	24	365	2,365,200	2,365	.11	\$260
2 PITBULL	600	24	365	5,256,000	5,256	.11	\$578
1 ILLUMINATOR	350	24	365	3,066,000	3,066	.11	\$337
3 PROCYON	300	24	365	2,628,000	2,628	.11	\$289
20 LEDGROWKIT	260	24	365	2,277,600	2,277	.11	\$250
<b>5 LGM550</b>	45	24	365	394,200	394	.11	<b>\$43</b>

*Continued...*



The cumulative cost comparison factors in the initial cost, electricity costs, and replacement costs. All but the LGM550 will need replaced in the sixth year based on the 24 hour, 365 day per year comparison. The long lifetime of LGM550 LED grow lights is made possible by both design features eliminating heat, and the use of 5mm High Brightness LEDs.

### Cumulative Cost Comparison

30 sq ft	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
3 UFO	\$893	\$1,153	\$1,413	\$1,673	\$1,933	\$2,826	\$3,086	\$3,346	\$3,606	\$3,866
2 PITBULL	\$2,670	\$3,268	\$3,846	\$4,424	\$5,002	\$7,672	\$8,250	\$8,828	\$9,406	\$9,984
1 ILLUMINATOR	\$1,536	\$1,873	\$2,210	\$2,547	\$2,884	\$4,420	\$4,457	\$5,094	\$5,431	\$5,768
3 PROCYON	\$2,086	\$2,375	\$2,664	\$2,953	\$3,242	\$5,328	\$5,617	\$5,906	\$6,195	\$6,484
20 LEDGROWKIT	\$2,190	\$2,440	\$2,506	\$2,756	\$3,006	\$5,196	\$5,446	\$5,696	\$5,946	\$6,196
<b>5 LGM550</b>	\$1,538	\$1,581	\$1,624	\$1,667	\$1,710	\$1,753	\$1,796	\$1,839	\$1,882	<b>\$1,925</b>

In conclusion, the LGM550 is the most economically priced LED plant light on the market today. Additional design advantages include the modular, light weight, and durable design. The LGM550 is made in the USA by SolarOasis. SolarOasis holds the first patent on a consumer based LED array designed specifically for plant growth. Our products have been in use around the world for a decade. We have been able to draw from this experience resulting in 12 subsequent patents granted or pending. These patented achievements have increased the output of our product by over 500% since the original clusters were introduced while at the same time increasing the efficiency of the LEDs. The result is the most advanced LED plant lighting technology available.

### Additional Considerations

We custom make LGM LEDs to closely match the absorption peaks for photosynthesis.

Our LEDs are easily mounted anywhere and scalable. Each LED Grow Master grow light weighs less than a pound and is designed for modular expansion

As the primary sales and service outlet for SolarOasis, LED Grow Master Global, LLC has over 10 years of experience providing the support needed to successfully utilize this efficient technology.

### THINK EFFICIENT

