

Why You Should Switch to Solar LED Christmas Lights



As Christmastime approaches, streets across the country soon glisten with the magical sight of Christmas lights. Such a magical sight comes at a price, however. For all the energy Christmas lights consume, money adds up on energy bills.

Struggling to save during the holidays, many people switch to solar LED Christmas lights to deck the halls. Solar LED Christmas lights just might be the solar solution to save both energy and money during the holidays. Just how much can these lights save you? Let's break it down:

Initial Costs:

Solar LED Christmas lights cost more to buy than traditional Christmas lights. On average, forty feet of solar LED Christmas lights costs \$35.

While initial costs may make solar LED Christmas lights may seem like a rip-off; however, you can save in the long run on your energy bill. (You have to spend money to make money, right?)

Energy Costs:

Now that you've drained your wallet buying solar LED Christmas lights, you're naturally eager to know how much you'll save on your energy bill. Courtesy of chicagoxmaslights.com, we can compare energy costs of two different sizes of incandescent and LED Christmas lights:

Type of Light Bulb	Number of Light Bulbs in Strand	Energy Usage per Bulb	Total Energy Usage	Kilowatt Per Hour Usage*	Average Cost Per KW/h**	Average Operating Cost
<i>C7 – Incandescent</i>	100	5 Watt / .042 Amps	500 Watts / 4.2 Amps	157.5 KW/h	11 cents	\$16.85
<i>C7 – LED</i>	100	.65Watts / .0054 Amps	65 Watts / 0.54 Amps	20.48 KW/h	11 cents	\$2.19
<i>C9 – Incandescent</i>	100	7 Watts / .058 Amps	700 Watts / 5.83 Amps	220.5 KW/h	11 cents	\$23.59
<i>C9 – LED</i>	100	.65Watts / .0054 Amps	65 Watts / 0.54 Amps	20.48 KW/h	11 cents	\$2.19

* KW/h estimated on 7 hour per day for 45 days.

** Based on National Average

Keep in mind that this chart shows the saving of electric LED Christmas lights; solar LED lights would save even more since they require no electricity whatsoever. While the money you save still may not seem like much, consider this: not only will you save money on your energy bill, but also because LED Christmas lights last longer. They're less fragile than incandescent lights and last an average of ten times longer. That means you won't be buying new Christmas lights every year or two.

Need more motive to switch? Two words: tax rebates. Many power companies offer tax rebates to people who switch to solar LED lights. BENCO, an electricity provider in Minnesota, allowed its members to get a \$3.00 per strand rebate on their electric bills when they purchased up to ten strings of solar LED Christmas lights. Check to see if a similar rebate applies to you.

Still not convinced? Perhaps you should look at the bigger picture and see statistically how much solar LED Christmas lights truly save.

Solar Statistics:

- Lighting uses 22% of the electricity and 8% of the total energy spent in the US.
- Each year, Americans buy six hundred trillion miles of Christmas lights. That's enough to stretch to the outer limits of the universe and back eighteen times.
- Christmas lights in total consume five times the energy output of the sun since the beginning of time.
- Walt Disney World's Cinderella's Castle is lit by over 200,000 LED lights, saving thousands of dollars per year. Talk about the Wonderful World of Disney!
- According to the Electric Power Research Institute, if everyone in America switched to solar LED Christmas lights, \$250 million would be saved each year.

If you're looking to save this holiday season, consider solar LED Christmas lights a bright idea. By the looks of it, it pays to go solar.