

Solar ACE Solutions

"Invest In Your Future, One Watt At A Time"

Electricity costs are forecasted to rise approximately 28% over the next 5 years as part of Ontario's Long-Term Energy Plan.

Learn How You Can Reduce Electricity Costs Up To 90% With LED Lighting

The LED Difference...



Light Emitting Diode (LED)

Compact Fluorescent Lamp (CFL)

Incandescent or Halogen

Lifetime	✓ 50,000 hrs	8,000 hrs	2,000 hrs
Watts Used*	✓ 6-8 watts	13-15 watts	60 watts
Energy Use**	✓ 350.4 kWh/yr	657 kWh/yr	2,628 kWh/yr
Operating Cost**	✓ \$47.30/yr	\$88.70/yr	\$354.78/yr
Heat Generated	✓ Warm, 3.4 btu/h	Hot, 30 btu/h	Very Hot, 85 btu/h
Mercury Content	✓ 0 mg	< 5 mg	0 mg

* Based on 60 watt incandescent equivalent

** Based on 12 hrs/day for 10 (60 watt) incandescent bulb equivalence @ \$0.135 per kWh On Peak

Return On Investment...

	Fluorescent Tube	vs.	LED Tube	Halogen PAR38	vs.	LED PAR38
Watts per unit	32 W		18 W	90 W		16 W
# of units X	100		100	100		100
# of hours per day X	12		12	12		12
Watts per year (x 365)	14,016,000 W		7,884,000 W	39,420,000 W		7,008,000 W
kWh per year (÷1000)	14,016 kWh		7,884 kWh	39,420 kWh		7,008 kWh
kWh rate X	\$0.135		\$0.135	\$0.135		\$0.135
Maintenance cost +	\$800.00		\$0.00	\$1,200.00		\$0.00
Cost per year to operate =	\$2,692.16		\$1,064.34	\$6,521.70		\$946.08
Installation cost +	\$0.00		\$5,000	\$0.00		\$6,000.00
Utility rebate -	\$0.00		\$560.00	\$0.00		\$2,960.00
Total cost 1st year =	\$2,692.16		\$5,504.34	\$6,521.70		\$3,986.08
Total cost 1st + 2nd year =	\$5,384.32		\$6,568.68	\$13,043.40		4,932.16

LED Return on Investment

2.8 Year Payback!

7.3 Month Payback!

Receive Up To 50% Of Project Costs When Upgrading Your Business To LED Lighting

The saveONenergy^{OM} Retrofit Program...

The saveONenergy^{OM} **Retrofit Program** offers financial incentives for businesses that install high efficiency equipment including LED lighting.

Many types of businesses can participate: Commercial, institutional, agricultural and multi-residential facilities, including social housing.

Program benefits include:

- Decreased operating and maintenance costs
- Lowered energy consumption and costs
- Reduced payback periods

For more information, please visit: saveonenergy.ca/business

The Solar Ace Solutions Advantage

Solar Ace Solutions can assist with your participation in the **Retrofit Program** by offering:



Free energy saving audits.



High quality and competitively priced **LED products** that meet or exceed program requirements.



Optional installation services for LED products purchased through Solar Ace Solutions.



Assistance with completion of the program's **pre-project and post-project incentive forms** to maximize your rebate.

Competitive
Pricing

Up to
6-Year
Warranty

Energy Star
& DLC
Products

Quality
Customer
Service

Call Solar Ace Solutions today while the incentive program is still available!

The Advantages of LED Lighting

Efficient

LEDs are up to **90% more energy efficient** than other types of lighting.

Long Life

LEDs can **last up to 50,000 hours**. LEDs can withstand a large number of switching cycles (switching cycles have a direct effect on the lifetime of any lighting source).

Durable

LEDs have **no delicate filaments** that can be damaged by shock or vibration.

Dimmable

Dimmable LEDs are available for adjusting light levels which is useful for additional energy savings.

Range of Colours

LEDs are available in a **range of colours**, including warm to cool white light. Multi-color LED fixtures are also available.

Low Heat Output

LEDs operate in a low voltage environment and generate very **little forward throw heat**.

Silent Operation

LEDs produce **no** objectionable hum or buzzing **noise**.

Instant On

LEDs glow immediately **with no delay or flicker** and operate in colder temperatures and hazardous environments.

Green

LEDs contain **no mercury** and do not produce EMI (electromagnetic interference) emissions, unlike fluorescent lights.

UV Free

LEDs produce **no UV** (ultraviolet) radiation which is ideal for illuminating artwork, documents, and other UV-sensitive materials.

Products Offered by Solar Ace Solutions

We offer a wide variety of LED lighting products including, but not limited to:

 <p>Bulbs Energy Savings: Up to 87%</p>	 <p>LED Modules Energy Savings: Up to 70%</p>	 <p>Shoobox Lights Energy Savings: Up to 77%</p>
 <p>Canopy Lights Energy Savings: Up to 75%</p>	 <p>LED Signs Energy Savings: Up to 84%</p>	 <p>Spotlights Energy Savings: Up to 84%</p>
 <p>Corn Bulbs Energy Savings: Up to 70%</p>	 <p>LED Strip Lights Energy Savings: Up to 70%</p>	 <p>Street Lights Energy Savings: Up to 70%</p>
 <p>Decorative Bulbs Energy Savings: Up to 87%</p>	 <p>Panels Energy Savings: Up to 50%</p>	 <p>Tubes Energy Savings: Up to 50%</p>
 <p>Flood Lights Energy Savings: Up to 75%</p>	 <p>PL Lamps Energy Savings: Up to 62%</p>	 <p>Under Cabinet LED Energy Savings: Up to 88%</p>
 <p>Flush Mounts Energy Savings: Up to 81%</p>	 <p>Recessed Lights Energy Savings: Up to 89%</p>	 <p>Wall Packs Energy Savings: Up to 71%</p>
 <p>High Bays Energy Savings: Up to 70%</p>	 <p>Retrofit Kits Energy Savings: Up to 70%</p>	 <p>Tri-Proof Lights Energy Savings: Up to 63%</p>

Invest in your future, one watt at a time with



Call or e-mail today for more information on all available products and for a free no-obligation LED demonstration or energy savings audit!