



LED TECHNOLOGY INNOVATION

YOUR SUPPLIER OF LED LIGHTING SOLUTION

SUPPLIER AND MANUFACTURER OF LED LIGHTING FIXTURES AND RELATED EQUIPEMENTS.

OUR PRIORITY ARE THE QUALITY OF OUR PRODUCTS, THE SATISFACTION OF OUR
CUSTOMERS AND THE ECO-RESPONSIBILITY.

LED

LIGHT EMITTING DIODE

The LED technology is innovative and eco-responsible, this lighting system can replace with high efficiency and low energy cost, all sources of light. Powerful and versatile, the **LED** can fit with all of your projects.

TECHNICALS

BENEFITS

- Very long-term use
- Maintenance cost reduced
- Multiple choices of color and ambiance
- Low heat generation
- Highly robust

AESTHETICALS

BENEFITS

- Can fit with all of your projects
- Bright and saturated colors
- Complete user focus control
- Complete user control over color intensity and animated sequece

ECOLOGICALS

BENEFITS

- Absence of mercury
- No IR or UV radiation
- Low energy consumption
- Reduction of Co2 emissions

LTI LED

THE MULTIPLES APPLICATIONS OF OUR EXPERTISE

ARCHITECTURALLED

HIGH-POWERLED

MULTICOLORLED

DISPLAYLED



ARCHITECTURAL LED



TORONTO: A CONDOMINIUM ADOPTS LED LAMPS FOR INTERIOR LIGHTING

- After 50 000 hours, the equivalent of 5,7 years of use, the **LEDs** still have **70% of their initial light output**

INVESTMENT

112 000\$

ANNUAL ECONOMY CASH

1 YR 35 000\$
5 YRS 175 000\$

PAYBACK

3.2 YEARS

ANNUAL ECONOMY KILOWATTS

1 YR 40Kw
5 YRS 200Kw

ANNUAL ECONOMY CO2

1 YR 110 TONS
5 YRS 550 TONS

SOURCE: LED MAGAZINE

USA: WORLD'S FIRST ENTIRELY LED ISLAND

- A three-acre island off the Connecticut coast **will achieve net zero energy** as its properties is converted **exclusively into LED lighting**
- Replacement of incandescent sources with the LED alternative, **energy consumption cut of 70%**



L T I HOLDS ALL THE EXPERTS
REQUIRED FOR THE IMPLEMENTATION
OF YOUR PROJECTS

CASINO SAVES 2 MILLION KILOWATTS

WITH LED TECHNOLOGY RETROFIT

INVESTMENT	ANNUAL ECONOMY CASH	PAYBACK	ANNUAL ECONOMY KILOWATTS	ANNUAL ECONOMY CO2
\$362 000	1 YR \$200 000 5 YRS \$1 000 000	LESS THAN 2 YEARS	1 YR 2 000 000 5 YRS 10 000 000	1 YR 900 TONS 5 YRS 4500 TONS



HARRAH'S RINCON CASINO OF VALLEY CENTER

- The installation of LED light had significantly reduced the maintenance costs
- The LED lighting gives to the casino a **wonderful atmosphere** and a surrealistic look
- **Fast installation** time of 3 weeks for a total of 7735 LED lights

LEDARCHITECTURAL

U.S. PENTAGON NOW LIGHTED WITH LEDS

WASHINGTON D.C. JANUARY 2009



PANTAGON ANNOUNCES THAT MORE THAN 4,200 LR24 LED LUMINAIRES ARE PLANNED FOR INSTALLATION IN WEDGE 5

« This Pentagon lighting project is a perfect example of stimulating America's leadership in high-technology manufacturing yielding unique commercial and defense products, while saving energy. »

- John Palmour, Ph.D.,



**LR24 LED
LUMINAIRE**

CREE 
LED Lighting

WWW.LTILED.COM
YOUR CREE LED
LIGHTING DISTRIBUTER



CREE 
LED Lighting



HIGH-POWERLED



UK: INTEGRATION OF LED LIGHTING INTO THE PUBLIC SECTOR

- The administration of an hospital chose to install **300 outdoor LED light fixtures** for their **reliability** and the **financial benefits** of this technology

INVESTMENT	ANNUAL ECONOMY CASH	PAYBACK	ANNUAL ECONOMY KILOWATTS	ANNUAL ECONOMY CO2
\$190 000	1 YR \$90 000 5 YRS \$450 000	LESS THAN 3 YEARS	1 YR 900 000 5 YRS 4 500 000	1 YR 405 TONS 5 YRS 2025 TONS

SOURCE: LED MAGAZINE

USA: A GREENER WORKPLACE

- The widespread use of **LEDs** inside and outside the office, **reduced their energy consumption as well as their production of environmetally harmful waste**
- The LED lighting gives to the workplace a **sharp and dynamic look**, inside as well as outside



LED HIGH-POWER

GAS STATION SEES HIGHER TRAFFIC AND REDUCED COSTS

WITH THE LED TECHNOLOGY



60% ENERGY COSTS REDUCTION

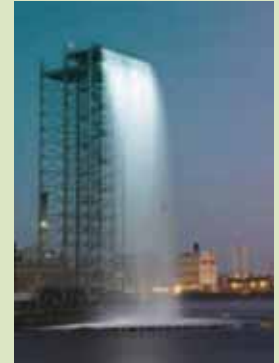
MASSIVE INCREASE OF TRAFFIC BECAUSE
OF THE MODERN LOOK

GREEN TECHNOLOGY, WITHOUT MERCURY

THE LED TECHNOLOGY HAS THE POTENTIAL TO
REPLACE ALL EXISTING LIGHT SOURCES

- LED technology gives to the installations **a safer look, modern and sharp**
- **Draws the eye of consumer**, creates an inviting atmosphere while reducing energy costs
- LED high color temperature range and performance fits perfectly with **all outdoor lighting applications: ROADWAYS, PARKINGS, BUILDINGS AND PARKS**
- LED technology offers many possibilities for optical control **designed to limits the waste of light**

MULTICOLORLED



EXCEPTIONNAL COLOR SATURATION

EASY CONTROL OVER ALL LIGHTING PARAMETERS AND INFINITE POSSIBILITIES

HIGHLY RESISTANT TO VIBRATIONS, ROBUST AND DURABLE PRODUCTS

LOW ENERGY CONSUMPTION



L T I HOLDS ALL THE EXPERTS
REQUIRED FOR THE IMPLEMENTATION
OF YOUR PROJECTS

DISPLAYLED



USA: A 10M LED PIXEL DISPLAY

- **Extremely high level of photorealism** created by the LED screen of the Comcast Center
- **Infinite possibilities** to conform to different shapes and structures

GROWING POPULARITY OF LED SCREEN IN SPORTING EVENTS

CONSTANT COLOR SATURATION IN ALL TYPE OF LIGHTING ENVIRONMENTS, DAY OR NIGHT

MUNICH: MEDIA WALLS FOR BMW MUSEUM

- Whole walls have been covered with **1,75M of white LEDs**, to create a multimedia facade, in constant evolution
- All facilities are **digitally controlled**, each LED can be individually or collectively animated



L T I HOLDS ALL THE EXPERTS
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LEDDISPLAY

LED SCREEN FOR PAUL MCCARTNEY'S SHOW



« THANKS! YOU HAVE THE BEST TEAM! »

- SIR PAUL MCCARTNEY
400e OF QUÉBEC

THE LED SCREEN WAS CHOSEN FOR THE HIGH QUALITY
RENDERING OF THE DISPLAY

FOOTAGE SHOWN BY THE LED SCREENS ARE VISIBLE AT
DISTANCES EXCEEDING ALL OTHER PROJECTIONS

THE QUALITY OF THE IMAGE WILL NOT BE AFFECTED BY ANY
ENVIRONMENTAL LIGHT



L T I HOLDS ALL THE EXPERTS
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LEDCITY

AVANT-GARDE CITIES, WHICH ARE TALKING THE LEAD OF INNOVATION
ALL AROUND THE WORLD



ORGANISATION

AUSTIN - USA

ANN ARBOR - USA

ANCHORAGE - USA

WELLAND - CANADA

TORRACA - ITALIE



CALGARY - CANADA

TORONTO - CANADA

TEDA - CHINE

RALEIGH - USA

INDIAN WELLS - CALIFORNIA

WHY SHOULD YOU START THE CONVERSION OF YOUR OWN CITY?

- The very long lifespan of the **LED** reduces the costs related to the maintenance and replacement of lights.
- To bring a contribution to the global effort to **reduce energy consumption**
- The energy efficiency of **LED** is **3 times superior to others light sources**
- The optical control **limits wastes of light**, and the product offer a very long durability

TORONTO SHIFTS TO LED LIGHTING

CANADA'S LARGEST METROPOLITAN AREA USE LED TECHNOLOGY ACROSS MUNICIPAL APPLICATIONS

- Toronto is shifting to LED lighting **as an answer for energy efficiency**
- The LED will be integrate in several installation such as: **PARKING, PARKS, BUILDINGS and ROADS**
- **Reduction of Co2 production**
- **Reduction of the environmentally harmful waste** production of the town, such as mercury found in other types of lighting
- **Reduce the cost of maintenance related to light replacement**

« Combating climate change is the issue of our time, possibly of all time and Torontonians are demanding that this city lead by example. »

-DAVID MILLER
TORONTO MAYOR



THE CN TOWER IS A GREAT EXEMPLE OF A LED TECHNOLOGY RETRO-FIT, AND CUT THE LIGHTING MAINTENANCE COST OF NOT LESS THAN 60%.

LED

ENVIRONMENTAL CONTRIBUTION



LED lighting actually has the potential to reduce our dependence on foreign oil, reduce global warming, cut down on acid rain, and lower our annual consumption of mercury used in fluorescent lighting

A recent report commissioned by the UK'S CARBON TRUST has identified that LEDs have the potential to replace the majority of light sources on the planet by 2050.

IN THE UNITED STATES

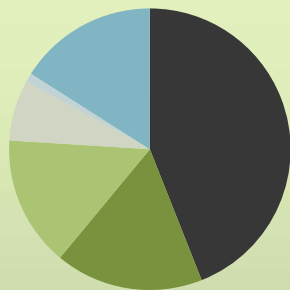
- **21% OF ALL ENERGY (OIL, GAS, COAL, NUCLEAR) GOES TO LIGHTING**
- **30% OF ALL ELECTRICITY PRODUCED GOES TO LIGHTING, MAKING IT THE SINGLE LARGEST ENERGY EXPENDITURE**
- **7% OF THE 463 TONS OF MERCURY USED ANNUALLY, OR 32 TONS, IS USED TO MAKE HIGH EFFICIENCY FLUORESCENT LIGHTING**

LED

STATISTICAL

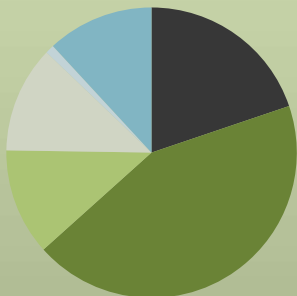
LED MARKET IN THE NEXT 5 YEARS

2007: Total Market
4,6 billions

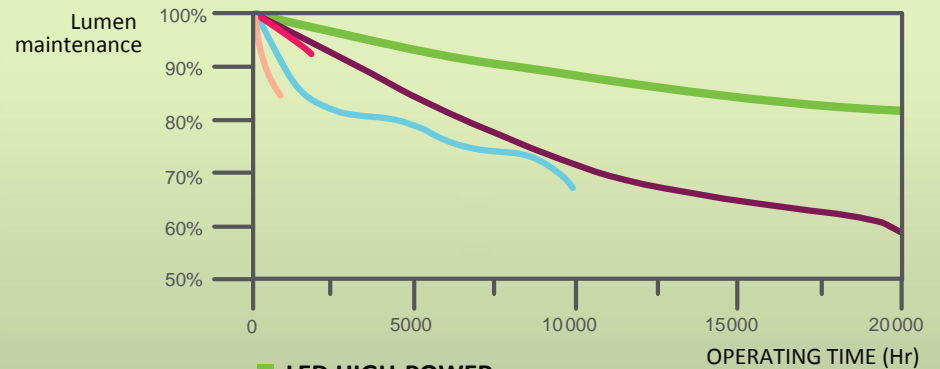


- Mobile Appliances
- Sings & Displays
- Automotive
- illuminations
- Signals
- others

2012: Total Market
11,4 billions



THE LASTING OF GENERAL LIGHTING



- LED HIGH-POWER
- 400W METAL HALIDE
- 50W TUNGSTEN HALOGEN
- 42W CFL
- 100W INCANDESCENT



LED TECHNOLOGY INNOVATION

LTI has the mission to design, manufacture and commercialise unique L.E.D lighting products, which are **highly competitive** and **less energy consuming**. LTI is one of the world's innovation leaders in manufacture of L.E.D lighting products, we are involved in continuous and proactive R.&D. activities, ensuring the efficient marketing of **high quality products** and increasing our continuous presence in the markets.

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OFFER SERVICES

ARCHITECTURAL LED



SWITCH TO L.E.D AND SAVE UP TO 70% ENERGY



HIGH-POWER LED



MORE EFFICIENT, MORE ECOLOGIC, TOTALLY MODERN



MULTICOLOR LED



IMPROVE YOUR LOOK, IMPROVE YOUR BENEFITS



DISPLAY LED



LED DISPLAYS ARE NOW ACCESSIBLE TO ALL

