



Clean Lighting Solutions For Better Health



- ✓ Improve your health by reducing exposure to EMF and dirty electricity using low EMF lights
- ✓ Contribute to a better environment by eliminating your use of products that contain mercury
- ✓ Reduce your lighting bill up to 60% when compared to compact fluorescent bulbs
- ✓ Enjoy bright light equivalent to a 125 Watt incandescent bulb – ideal for kitchens, living spaces, work areas, and offices

12 Watt CLED Down-light for Residential and Commercial Pot Light Applications

The 12 Watt CLED (Compact Light Emitting Diode) is a downlight module for new construction and retrofits that installs easily into existing sockets. This low energy, low EMF bulb generates white light that is an unprecedented combination of beauty, affordability and efficiency. Designed to replace CFL and other less efficient, more harmful bulbs, the 12 Watt CLED can be used anywhere downlights are used today.

DZap Lighting

Better Health. Better Environment

With the 12 Watt CLEDs you get a long lasting (on average 50,000 hours) environmentally friendly alternative to compact florescent bulbs that provides clear, bright light with low EMF and low energy usage.

Low EMF for a healthier life

Today people are beginning to realize the full extent that Electromagnetic Fields (EMF) are having on their health. Research has shown EMF as an influencing factor in diabetes¹, cancer², as well as epilepsy, migraines and multiple sclerosis.

Electromagnetic fields generated from residential and office wiring are common sources of exposure to EMF. The average person spends most of their time in these environments — often in close proximity to electrical wiring systems used to power lights and appliances — increasing their risk to these conditions.



D-ZAP CLED down-lights do not emit EMF. In fact, tests show when a 12 Watt CLED is turned on it actually reduces EMF on the line. Designed for EMF sensitive people — the 12 Watt DZAP CLED is a great alternative to EMF producing halogen and compact fluorescent lights.

Specifications

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| Nominal Size | 9cm diameter |
| Voltage | Universal AC100-240 volts |
| Power Consumption | 12 watts |
| Lumen | 636 Lumens |
| Temperature Kelvin | Cool White (6000 K), Neutral White (5,500 K), Warm White (3,000 K) |
| CRI (Colour Rendering Index) | Ra 82 minimum |
| Lifespan (avg.) | 50,000 hours |
| Operation temperature | -30° C – 50° C |
| Operation humidity | 110% - 90% RH |
| Weight | 385 grams |
| Housing material | Durable die-cast aluminum |
| Rotation | Rotation angle of 60 degrees |
| Installation | Spring clips allow for easy installation in existing standard 6" downlight housings. Wire marrettes connect source power. |

Lower energy bills and reduce maintenance costs

The D-ZAP 12 Watt CLED offers an unprecedented opportunity for save electricity, maintenance, and cooling costs — using 90% less energy and lasting almost 28 times longer than the average long-lasting incandescent bulbs. When compared to compact fluorescent bulbs, DZAP CLEDs use 60% less energy and last more than 6 times as long.

The 12 Watt CLED significantly reduces expenditures on replacement bulbs and labor costs, is far less harmful to the environment than CFL bulbs, and more than pays for itself in electricity savings over its lifetime.

About DZAP Canada

D-ZAP Lighting provides low EMF lighting solutions that produce warm, beautiful light that is economical and environmentally friendly. All D-ZAP CLEDs are made of UL approved components to ensure consistent high quality and long life.

For more information about D-ZAP Lighting, visit www.dzapcanada.ca or call 1-613-256-DZAP (3927).

1 Havas, M. Dirty Electricity Elevates Blood Sugar Among Electrically Sensitive Diabetics and May Explain Brittle Diabetes. *Electromagnetic Biology and Medicine*, Vol. 27(2), pp. 135-146 (2008).

2 Samuel Milham, MD, MPH, and L. Lloyd Morgan, A New Electromagnetic Exposure Metric: High Frequency Voltage Transients Associated With Increased Cancer Incidence in Teachers in a California School; *American Journal of Industrial Medicine*(2008).