

WATTWORKS

Energy Efficiency Newsletter

January 2009

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Featured Product



LR6



**Cree LR6 LED
Downlight Module**

Welcome to the premier issue of the Watt Works Energy Efficiency Newsletter. We believe that the "greenest" energy out there is the energy you don't use. Watt Works is dedicated to educating consumers on the opportunities they have to be more environmentally friendly and lower their energy consumption.

In the year and a half our store has been open we have helped numerous individuals and businesses make sense of the new energy-efficient "green" technologies. We know that once you know your options, you will make the right choice - one that is not only budget friendly but Earth friendly as well.

In the months ahead we will cover topics such as energy-efficient LED lighting, solar power, geothermal HVAC, home and business energy analysis, and much more. Please feel free to send us your feedback and let us know if there is a topic we have not yet covered that you would like to know more about.

Thank you for your continued support and here's hoping 2009 will be our greenest year yet!

➔ LED Lighting in the Home

by Don Hall, President of Watt Works

You can now have the advantages of LED lighting in your home and solve irritating problems at the same time. For example, many homes have existing 6 inch "can" downlights that can be readily upgraded to Cree LR6 LED lighting and gain the light quality, very long life and very low power of this new technology.



Have a high ceiling? There are probably "can" lights high up on the ceiling that make replacing the bulb difficult or even dangerous; put in a 50,000 hour LED and you won't worry about it again for almost 20 years of normal use.

Drafts coming in through your can fixtures? The LR6 LED light module blocks the whole fixture and is easily sealed to eliminate all drafts.

The LR6 is an amazing combination of technical innovations, including breakthroughs in optical design, electronics design, mechanical design, and thermal management. The core of the innovation is a new way to generate white light with LEDs.

Easily replace incandescent bulbs in existing 6" recessed can fixtures or use with the optional surface mount can.

Same light output as a 75W incandescent but uses only 12W of power - that's 1/6 the energy!

Lasts 50,000 hours - over 17 years at 8 hours a day

Dimmable to 20% with standard dimmers.

For specific decorating needs there are trim ring inserts and "eyeball" angle lenses for the LR6 downlight modules.

For more information on the LR6, [click here](#).

For new construction applications there is the LR4 - a 4" diameter LED downlight with several variations to suit various needs. All have the same light quality, dimmability, low power and long life of the Cree Lighting family.

Additional Energy Efficiency

Like your dimmers? The new LED lights are dimmable using standard dimmer models, even scene controls.

Need warm light to match your décor? No problem - the new LED lights are available in warm white (2700K) or medium white (3500K). And unlike florescents, LEDs will not flicker or stutter.

High quality LED lamps run cool, barely above room temperature, and consume one sixth the power of incandescents (12 Watts) for the same light output (650 lumens=75 Watt incandescent). No mercury to create disposal issues, very long life, and easily-recyclable designs all promote sustainability.

In addition, LED lighting is an outstanding choice for under-counter lighting in the kitchen. Several options exist, some are only ½" thick and have multiple light levels for different needs. As with other LED lights, the power is very low and the life is very long, but in addition these run so cool that the cabinets above won't be affected, unlike scorching halogen or xenon types. Never have your chocolate melted again. And with LED lights there is no glass that can break and contaminate food.

Another excellent LED application is the outdoor lantern lights on your porch. The low power and long life of LED's promotes leaving the lights on all night for more security - at little energy cost. Some types are integrated fixtures with the LED light sources built-in so that there is no bulb for an intruder to remove or break. The LED light source runs cool and therefore the few insects it does attract are not killed by a hot bulb, so you have less ongoing cleanup.

Other LED products available now can be used in chandeliers, wall sconces, nightlights and many other specific applications, and a good LED replacement for the standard table lamp bulb is expected in 2009.

Start saving energy, eliminating replacements, and enjoying the quality of LED lighting today by coming to the Watt Works store!

Free Energy Savings Seminars

Please join us for our upcoming FREE Energy Savings Seminars. Each seminar is given Friday at 6pm and repeated Saturday at noon:

Friday, January 9 at 6pm and Saturday, January 10 at Noon: **"Solar Technology and Its Application Today"**

Find out how the sun can provide power, heat and even cooling, yet never send you a bill. We will cover the issues, the costs and the tremendous benefits of solar energy in its many forms. Hands-on examples of several systems will be available to see up close.

Resources

[Green Energy Ohio](#)

[Ohio Energy Office](#)

[Ohio Interfaith Power & Light](#)

[Ohio Incentives for Renewables & Efficiency](#)

Watt Works is proud to be a Lighting Facts LED Product Partner and to sell Energy Star products.



Friday, January 16 at 6pm and Saturday, January 17 at Noon:

"Energy Analysis and How It Saves You Money"

We will introduce how to do your own home energy analysis, and when to hire a pro. Learn what your utility bills are telling you. Discover effective ways to save energy and money in your home or business. Do-it-yourself forms will be provided.

Friday January 23 at 6pm and Saturday January 24 at Noon:

"Geothermal Heat Pump Systems - How and Why"

Geothermal heat pumps can cost one fourth as much to operate as a typical HVAC system! We will explore how you can apply this efficient technology to your situation.

Bring your questions and curiosity, all materials will be provided. Come see the latest energy-saving products and leave with ideas you can implement to save energy at home and work. The classes are appropriate for homeowners, businesses, architects and design professionals, students and anyone interested in alternative energy and/or living more efficiently.

(RSVP appreciated, but not required. To RSVP, email us at green@wattworks.com or call 614-458-1162)

We will continue to rotate these topics throughout the year so if you can't make it this month, you will have the opportunity to attend one in the future. For a current list of seminars and topics, [click here](#).

More information regarding the products mentioned in this newsletter can be found on our website at www.wattworks.com. Products can be purchased online, by phone at 614-458-1162 or in our Columbus store.

Save 10%

Save 10% on this month's Featured Product:

LR6 LED Downlight Module

Available in warm (2700K) and cool (3500K) light

Offer Expires: 1/31/09

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