



# Cree LED Luminaires Featuring Embedded Lutron EcoSystem<sup>®</sup> Technology

Integrated Solutions from Industry Leaders



Innovation Beyond the Luminaire

# Intelligent, Fully-Integrated Solutions

Whether your design goals are focused on energy savings, user satisfaction, LEED certification, or code compliance, all demand elegant, highly efficient lighting systems. Although current LED technology is accelerating rapidly, most solutions available today do not combine the best of both LED lighting and lighting controls technologies, resulting in subpar performance.

## You deserve smarter lighting.

At Cree, innovation doesn't stop at our world-class LED luminaires because we aim to deliver more—perfect performance and savings from your entire lighting system. That's exactly what our new embedded digital control options offer—intelligent, fully-integrated solutions brought to you jointly by Cree and Lutron®, the world's leading LED lighting and controls companies.

With our combined best-in-class technologies, Lutron EcoSystem® Enabled Cree luminaires now offer an end-to-end solution that simplifies installation and commissioning, maximizes lifetime and energy savings, all while improving the end user experience—another true no-compromise lighting solution to help you get the most from your lighting.

Visit [www.cree.com/controls](http://www.cree.com/controls) to learn more about these and other Lutron EcoSystem® Enabled Cree LED luminaires.

## Get the most from your lighting.

### Peace of Mind

We take the guesswork out of specifying controls. With assured compatibility, every Lutron EcoSystem® Enabled Cree luminaire will work seamlessly with Lutron control systems during installation, commissioning, and operation. This promise is supported by our co-engineered solutions, extensive 100% testing, industry-leading warranties, and a proven track record of low failure rates.

### Maximum Savings

Cree LED luminaires are among the industry's most efficient with total system efficacy up to 110 LPW, which amounts to 10-30% energy savings over similar LED fixtures and payback periods as fast as two years. Add to this Lutron EcoSystem® Enabled technology, and you could see up to 70% more savings compared to baseline when you implement Lutron's total light management strategies.

### Longer Lifetime

Useful lifetime and lumen maintenance are both improved with Lutron EcoSystem® Enabled technology. In fact, lifetimes can increase up to 50% because the luminaire's LEDs run consistently cooler and are not driven as hard when dimmed. Also, unlike with fluorescents, frequent on-off cycles from occupancy sensing applications do not shorten LED lifetimes, providing more no-compromise savings.



### Availability

Cree CR Series troffers with embedded Lutron EcoSystem® technology target availability is mid 2012. Essentia® Series downlights are available today with the Lutron HiLume® LED driver. Additional Cree luminaires, including the CS Series linear luminaire and the SR Series downlight, have a target availability with Lutron EcoSystem® Enabled technology in Fall 2012.

### CR Series

LED Architectural Troffers & Light Engines

- 2'x4', 1'x4', 2'x2' Models
- Cree TrueWhite® Technology
- 2000-5000 lumens
- EcoSystem® Enabled dimming to 5%
- 90+ CRI at 90-110 LPW
- Designed to last up to 75,000 hours
- 3000K, 3500K or 4000K
- 120V-277V universal driver

Suggested MSRP for the adder over the standard CR Series fixture for the Lutron EcoSystem® Enabled feature is \$49.





Cree® LED Luminaires Enabled With

## Lutron EcoSystem® Technology

New Lutron EcoSystem® Enabled Cree LED luminaires offer the most sophisticated total lighting system available today. Each luminaire is designed with an intelligent, pre-tested microprocessor directly integrated into the Cree® LED driver. This design eliminates the need for additional interfaces, enabling the fixture and controls to communicate directly with each other for instant and seamless interoperability.

Now you can easily enjoy the superior quality and performance advantages of Cree TrueWhite® Technology and Cree BetaLED® Technology, plus all of the scalable savings solutions that come with these Lutron EcoSystem® controls:

- High-End Trim
- Occupancy & Vacancy Sensing
- Daylight Harvesting
- Personal Control
- Light Level Scheduling
- Demand Response



## Join the LED Lighting Revolution.

Learn more at [www.cree.com/lighting](http://www.cree.com/lighting)

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