
LIGHTING

THE LED

REVOLUTION™

PRODUCT GUIDE

A portfolio of industry leading solutions that are changing the way we look at light.



LED RECESSED DOWNLIGHTS

Cree LED downlights deliver beautiful light with superior color quality and high energy efficiency—a true no-compromise solution.



Essentia Series

- Equivalent up to 70W CMH
- 4", 6" and 8" round and square apertures
- NanoOptic® Technology
- 45° shield angle
- Multiple CCTs at 90 CRI
- Standard 0-10V dimming control
- Available in 120V or 277V



KR Series

- Equivalent up to 26W CFL
- 6" aperture with spun-aluminum reflectors
- Up to 970 lumens at 18W
- Multiple CCTs at 90 CRI
- Dimmable to 5% (120V)
- Available in 120V or 277V



LR Series

- Equivalent up to 32W CFL
- 6" aperture with multiple reflector depths
- Leading efficacy at 90 LPW
- Up to 1000 lumens at 11W
- Multiple CCTs at 90 CRI
- Dimmable to 5% (1000 lm, 120V)*
- Available in 120V or 277V



SR Series

- Equivalent up to Twin 26W CFL
- 6" aperture with wall wash options
- Light Source-Reflector Unity™ Design
- Up to 45° shield angle
- Multiple CCTs at over 90 CRI
- Standard 0-10V dimming control
- Available in 120V or 277V



LR4™

- Equivalent up to 50W Incandescent
- 4" aperture with spun-aluminum reflectors
- Up to 540 lumens at 10.5W
- Multiple CCTs at 90 CRI
- Dimmable to 20%
- Available in 120V only



CR Series

- Equivalent up to 23W CFL
- 4" and 6" round apertures**
- Easy retrofit, fits most existing housings
- Up to 800 lumens at 12W
- 2700 CCT at 90 CRI
- Dimmable to 5%
- Available in 120V only



LED SURFACE DOWNLIGHTS

Proven Cree performance and longevity are available in stylish architectural surface luminaires for even more aesthetic appeal.



Essentia® Cylinder

- Equivalent up to 100W CMH
- Surface, pendant, cable or wall-mount options
- NanoOptic® Technology
- Deep 45° shield angle
- Standard 0-10V dimming control
- Available in 120V or 277V



SC6 Mounting

- Designed for use with LR and CR Series 6" downlights
- Surface, cable or wall-mount options
- Textured white or black finish
- Standard 0-10V dimming control
- Available in 120V or 277V

Please reference www.cree.com/lighting for all dimmer and housing compatibility information.

*Enhanced dimming available in 1000 lm (120V) beginning June 2012. Dimmable to 20% in current 1000 lm and 650 lm (120V) versions.

**4" version available in June 2012.



LED TROFFER & LINEAR LUMINAIRES

Built for both performance and payback, Cree LED commercial fixtures prove that energy-efficient, high quality lighting doesn't have to come at a premium.

CR Series

- Equivalent to architectural fluorescent
- 90 CRI at 3000K, 3500K or 4000K
- Step Level to 50%, 0-10V Dimming to 5%
- Available as Light Engine only (CR-LE)



CR22™ & CR-LE 1x2

- 2000 lumens, 22W (90 LPW)
- 3200 lumens, 35W (90 LPW)

CR24™, CR14™, & CR-LE 1x4

- 2200 lumens, 22W (100 LPW)
- 3100 lumens, 34W (90 LPW)
- 4000 lumens, 44W (90 LPW)
- 4000 lumens, 36W (110 LPW)
- 5000 lumens, 50W (100 LPW)



CS18 shown

CS Series

- Equivalent to 2-Lamp T8 Industrial
- 90 CRI at 3500K or 4000K
- Universal 120V-277V driver
- Dimmable to 5%

CS18™

- 8000 lumens, 70W (115 LPW)
- 7500 lumens, 75W (100 LPW)

CS14™

- 4000 lumens, 35W (115 LPW)
- 4500 lumens, 40W (100 LPW)



LR24™

- Equivalent to 3 lamp 2'x2' parabolic
- 3200 lumens, 44W
- 3200 lumens, 32W (120V)
- 3800 lumens, 52W
- Universal 120V-277V driver
- 90 CRI at 3500K
- 0-10V Dimming to 5%



LED LAMPS

Soft accents or dramatic highlights—Cree LED lamps offer design freedom with the proven light quality of Cree TrueWhite® Technology.



LRP-38™

- Equivalent to 75W PAR38
- 600 lumens, 12W, 120V
- 94 CRI at 2700K
- 4800 CBCP, 20° beam angle
- Dimmable to 20%



LBR-30™

- Equivalent to 60W BR30
- 600 lumens, 12W, 120V
- 94 CRI at 2700K
- 25° and 50° beam angles
- Dimmable to 20%



LRP38-10L

- Equivalent to 90W Halogen
- 1000 lumens, 13.5W (3000K)
- 950 lumens, 13.5W (2700K)
- 92 CRI
- 12° and 25° beam angles
- Dimmable to 20%



LED AREA LIGHTS

Diverse lighting options featuring BetaLED® Technology for parking lots, roadways, pathways, security areas and flood applications.



Aeroblades™

- Modular design – 2, 4 or 6 blade configurations
- Die-Cast aluminum housing assembly
- UL wet listed 0-10V
- Dimming option



THE EDGE® Square

- Low profile modular design
- Die-Cast, aluminum housing assembly
- UL wet listed
- Two-level options
- Optional backlight cutoff shield



THE EDGE® Round

- Low profile modular design
- Die-cast aluminum housing assembly
- UL wet listed 0-10V
- Two-Level Options
- Optional backlight cutoff shield



THE EDGE® Pathway

- Rugged aluminum housing
- Multiple height options
- UL wet listed
- Two-level options



THE EDGE® Security

- Low profile modular design
- Die-cast, aluminum housing assembly
- UL wet listed



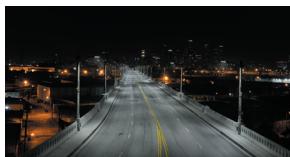
SLM-IP66

- Linear single light module
- Up to 60 LEDs
- Step and continuous dimming options
- Vertical or horizontal tenon
- Direct-Arm mount



THE EDGE® High Output

- Up to 65,000 delivered lumens
- Available in 120 or 240 LED configurations
- 525mA; 700mA; or 1 amp drive currents
- 4000K or 5700K color temperature



LED STREET LIGHTS

Cree Street Lights with BetaLED® Technology provide high-performance and energy efficient street lighting solutions for street and roadway applications.



XSP1™

- NanoOptic® Precision Delivery Grid™ Optics
- Single module
- Horizontal tenon mount
- Optional backlight control shield
- CRI: minimum 70 CRI
- CCT: 4000K (+/- 300K), 5700K (+/- 500K)



XSP2™

- NanoOptic® Precision Delivery Grid™ Optics
- Double module
- Horizontal tenon mount
- Optional backlight control shield
- CRI: minimum 70 CRI
- CCT: 4000K (+/- 300K), 5700K (+/- 500K)



LEDway®

- More than 20 optical distributions
- Flexible drive currents
- Up to 120 LEDs in 10 LED increments
- Tool-less entry
- Multiple mounting options



LEDway SLM™

- Sleek, low-profile form factor
- Drive current flexibility
- Tool-less entry
- Surge suppression rated up to 10 KV
- $\pm 5^\circ$ vertical adjustment in 5° increments



LEDway SLM™ IP66

- Tool-less entry
- Surge suppression rated up to 10 KV
- $\pm 5^\circ$ vertical adjustment with $2 \frac{1}{2}^\circ$ Steps
- Modular design
- Die-cast and extruded-aluminum housing
- UL, cUL



Traditional Post-Top LED Upgrade Kit

- Seamlessly transform existing inefficient post-top luminaires to energy reducing LED
- Precise LED controllability for optimized application performance
- Easy installation
- 4000K and 2700K color temperatures



LED TUNNEL LIGHTS

Visibility and safety for vehicular and pedestrian traffic can increase dramatically with Cree tunnel luminaires designed for bridges, overpasses, roadways and tunnels.



THE EDGE® TSP Transportation Mount

- Multiple mounting options
- Two-level options
- Through-wiring capability
- UL and cUL Listed



LED PARKING STRUCTURE LIGHTS

For new construction or upgrades, achieve a clean, updated appearance with Cree parking structure luminaires that provide superior illumination while using less energy than traditional fixtures.



THE EDGE® Parking Structure

- Low profile modular design
- Rugged aluminum housing
- Integrated occupancy sensor
- UL wet listed
- Two-level options



304 Series™ Parking Structure

- Low profile modular design
- Multiple mounting options
- Integrated occupancy sensor
- Two-level options
- Through-wiring capability



LED FLOOD/SIGN LIGHTS

Cree luminaires for flood and sign lighting provide specific distributions of light for showcasing horizontal and vertical sign surfaces and architectural features.



THE EDGE® Flood

- Low profile modular design
- Rugged aluminum housing
- UL wet listed
- Adjustable mounting bracket
- 15-, 25- and 40-degree optics



OL Series™

- 360° adjustability in 5° increments
- 2, 4 and 8 foot lengths - 7 or 14 LEDs per foot
- Step- and continuous-dimming
- 5700K, options at 3500K and 4000K



LED CANOPY/SOFFIT LIGHTS

Cree Canopy and Soffit lighting provide a sustainable high-performance lighting solutions for exterior canopy applications and building soffits.



THE EDGE® Canopy

- Low profile modular design
- Die-cast, extruded-aluminum housing assembly
- UL wet listed



227 Series™ Canopy/Soffit

- Low profile modular design
- Die-cast, extruded-aluminum housing assembly
- UL wet listed
- Two-level options
- Optional backlight cutoff shield



304 Series™ Canopy/Soffit

- Centrally located driver provides ease of installation and through-wiring (daisy chaining luminaires).
- Convenient electrical inspection access from below the luminaire (desirable in recessed installations).
- Die-cast, extruded-aluminum housing assembly
- UL wet listed

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TRUE WHITE
TECHNOLOGY

LIGHTING WITHOUT COMPROMISE

Choose award-winning Cree TrueWhite® Technology, which delivers bright, beautiful light while providing significant energy savings compared to incumbent products. A true no-compromise solution that provides:

EXCEPTIONAL LIGHT QUALITY

Delivers superior color accuracy (CRI≥90) with beautiful light characteristics and consistent color temperature.

EQUAL LIGHT OUTPUT USING LESS ENERGY

Produces light output equal to incumbent products while saving consumers up to 85% in energy costs.

LOW MAINTENANCE

Designed to last 50,000 hours while maintaining color consistency over the life of the product.

INSTANT ON AND DIMMING

Lights up instantly to full brightness and is dimming capable.

QUICK PAYBACK

Offers savings up front and in operation to deliver the shortest paybacks on the market.



PROVEN PERFORMANCE

BetaLED® Technology helps Cree deliver outstanding illumination, lasting performance and optimum energy efficiency for LED lighting solutions.

TOTAL SYSTEMS APPROACH

A comprehensive engineering philosophy that combines the most advanced LED sources, driver technologies, optics and form into each product.

NanoOptic® TECHNOLOGY

A level of optical control that traditional light source technology cannot provide with over 20 highly efficient optical choices for the flexibility you need.

THERMAL MANAGEMENT

Heat sinks efficiently draw heat away from the LED chip package within a vented housing, maximizing both performance and reliability.

