LIGHTING
THE LED
REVOLUTION™

INTERNATIONAL 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.

CR100-DR630L
- 630 lumens, 11.0 watts
- Equivalent to 50W MR16
- Install in 85-100mm diameter ceiling openings
- 90 CRI at 3000K or 4000K
- Dimmable to 5%
- 220-240V driver
- CE/CB and CCC certified

CR100-680L
- 630 lumens, 11.0 watts
- Equivalent to 50W MR16
- Install in 85-100mm diameter ceiling openings
- 90 CRI at 3000K or 4000K
- Dimmable to 5%
- 220-240V driver
- CE/CB and CCC certified

CR80-650L
- 650 lumens, 13.0 watts
- Equivalent to 50W MR16
- Install in 80-85mm diameter ceiling openings
- 90 CRI at 2850K
- Dimmable to 5%
- 220-240V driver
- CE/CB and CCC certified

CR150™
- 1000 lumens, 14.0 watts
- Equivalent to 2x18W CFL
- 650 lumens, 9.5 watts
- Equivalent to 18W CFL
- Install in 150-175mm diameter ceiling openings
- 90 CRI at 3000K or 4000K
- Dimmable to 5%
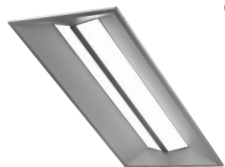- 220-240V driver
- CE/CB and CCC certified

LR150-200L
- 2000 lumens, 31.0 watts
- Equivalent to 2x26W CFL
- Install in 150-160mm diameter ceiling openings
- 90 CRI at 3000K or 4000K
- 1-10V or DALI dimming to 5%
- 220-240V driver
- CE/CB and CCC certified

LR200™
- 2000 lumens, 27.0 watts
- Equivalent to 2x26W CFL
- 3000 lumens, 40.0 watts
- Equivalent to 70W Metal Halide
- Install in 190-210mm diameter ceiling openings
- 90 CRI at 3000K or 4000K
- 1-10V or DALI dimming to 5%
- 220-240V driver
- CE/CB and CCC certified

LR6-230V
- 650 lumens, 12.0 watts
- Equivalent to 18W CFL
- Install in 165-175mm diameter ceiling openings
- 90 CRI at 2700K or 3500K
- Dimmable to 20%
- 220-240V driver
- CE/CB and CCC certified

LR6-1000-230V
- 1000 lumens, 12.5 watts
- Equivalent to 2x18W CFL
- Install in 165mm diameter ceiling openings
- 90 CRI at 2700K, 3000K or 4000K
- Dimmable to 20%
- 220-240V driver
- CE/CB and CCC certified

LR6-LP1000-230V
- 1000 lumens, 12.5 watts
- Equivalent to 2x18W CFL
- Install in 165-185mm diameter ceiling openings
- 90 CRI at 2700K or 4000K
- Dimmable to 20%
- 220-240V driver
- CE/CB and CCC certified

CREE

TRUE WHITE
TECHNOLOGY

LED TROFFERS

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

CR24™
- 595mmx1195mm
- 2200 lumens, 22W (100LPW)
- 4000 lumens, 44W (90LPW)
- 4000 lumens, 36W (110LPW)
- 5000 lumens, 50W (100LPW)
- 90 CRI at 3000K or 4000K
- 1-10V or DALI dimming to 5%
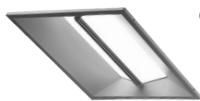- 220-240V driver
- CE/CB and CCC certified

CR14™
- 295mmx1195mm
- 2200 lumens, 22W (100LPW)
- 4000 lumens, 44W (90LPW)
- 4000 lumens, 36W (110LPW)
- 5000 lumens, 50W (100LPW)
- 90 CRI at 3000K or 4000K
- 1-10V or DALI dimming to 5%
- 220-240V driver
- CE/CB and CCC certified

CR22™
- 595mmx595mm
- 2200 lumens, 22W (90LPW)
- 3200 lumens, 35W (90LPW)
- 90 CRI at 3000K or 4000K
- 1-10V or DALI dimming to 5%
- 220-240V driver
- CE/CB and CCC certified

LE14
- 1083mmx270mm
- 2200 lumens, 22W (100LPW)
- 4000 lumens, 44W (90LPW)
- 4000 lumens, 36W (110LPW)
- 5000 lumens, 50W (100LPW)
- 90 CRI at 3000K or 4000K
- 1-10V or DALI dimming to 5%
- 220-240V driver
- CE certified

LE12
- 543mmx270mm
- 2200 lumens, 22W (90LPW)
- 3200 lumens, 35W (90LPW)
- 90 CRI at 3000K or 4000K
- 1-10V or DALI dimming to 5%
- Available in 220-240V
- CE certified

CREE™
TRUE WHITE
TECHNOLOGY

LED LAMPS

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

LRP-38-230V
- 600 lumens, 12.0 watts
- Equivalent to 75W PAR38
- 94 CRI at 2700K
- 20° beam angle
- Dimmable to 20%

CREE™
TRUE WHITE
TECHNOLOGY

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

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

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

Cree EDGE™ Pathway
- Rugged aluminum housing
- Multiple height options
- UL wet listed
- Two-level options

Cree 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

Cree 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

BetaLED® TECHNOLOGY

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
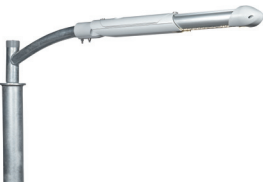- CCT: 4000K (+/- 300K), 5700K (+/- 500K)

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
- ±5˚ vertical adjustment in 5˚ increments

LEDway SLM™ IP66

- Tool-less entry
- Surge suppression rated up to 10 KV
- ±5˚ vertical adjustment with 2 ½˚ Steps
- Modular design
- Die-cast and extruded-aluminum housing

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.

Cree EDGE™ TSP Transportation Mount

• Multiple mounting options
• Two-level options
• Through-wiring capability

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.

Cree 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.

Cree 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

BetaLED® TECHNOLOGY

LED CANOPY/SOFFIT LIGHTS

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

Cree 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

BetaLED® TECHNOLOGY

CREE ◆

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.

βBetaLED® TECHNOLOGY

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.

Learn more at **www.cree.com/lighting**

CREE ◆