




Cree Edge™ Series

LED High Output Area & Flood Luminaire







It's a Brand New Night in High Output Lighting.

LEADING-EDGE Performance

With no viable alternatives, projects that required high output solutions were left using technologies of the past. Today, the Cree Edge™ High Output luminaire is not only viable for such projects, it's significantly better.

UNMATCHED Savings

Capable of saving in excess of 70 percent in energy consumption is only half of the story. Since re-lamp cycles required of traditional lamp sources are eliminated, substantial maintenance savings is also possible.

SHOW YOUR True Colors

Delivering uncompromising color for outdoor spaces, the Cree Edge™ High Output is now available with Cree TrueWhite® Technology. With 90+ CRI, true-to-life color rendering never looked so good.

UNBEATABLE Paint Finish

Faded poles and fixtures compromise the aesthetics of any property. The Cree Edge™ High Output luminaire features our exclusive Colorfast DeltaGuard® finish, backed with a 10-year finish limited warranty so your site will look great for years.

WHY CREE?

UNCOMPROMISING COLOR, UNBEATABLE PERFORMANCE.

BetaLED® Technology

Powered by BetaLED Technology and capable of providing decades of near maintenance-free performance, the Cree Edge™ High Output luminaire combines the most advanced LED sources, driver technologies, and optics to set a new standard in high output performance.



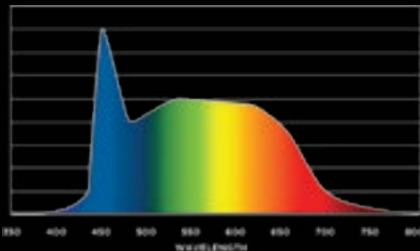
Like Metal Halide, Only Better

The Cree Edge™ High Output luminaire featuring TrueWhite® Technology delivers true-to-life color rendering with 5000K 90+ CRI and maintains more than 90 percent of the light output for longer than a decade. Contrast this with metal halide lighting that can lose more than 40 percent of its initial light output within the first year and can suffer significant color shifts.

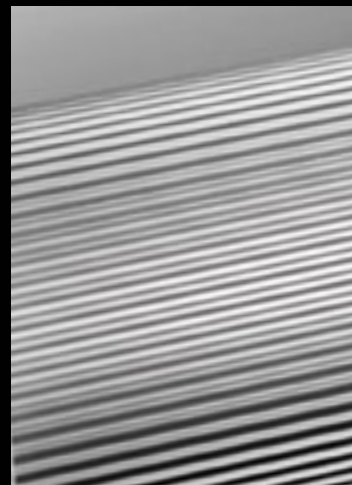
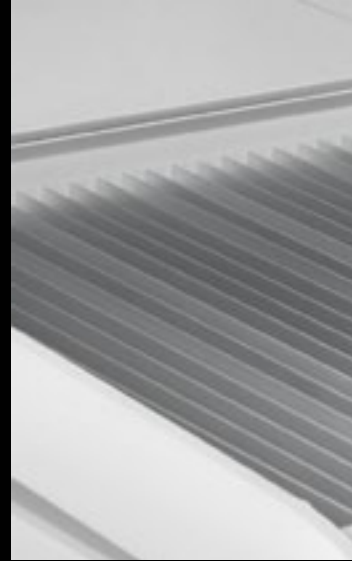
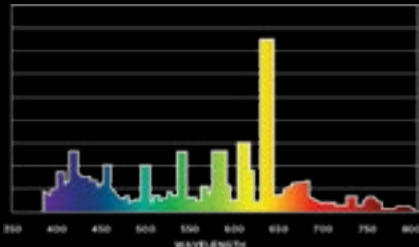


The Spectral Power Distribution (SPD) Curves below compare the color characteristics between the Cree Edge™ High Output luminaire featuring TrueWhite Technology and metal halide fixtures. At each point across the color spectrum, the height of the curve correlates with how accurately that color is rendered by the light source. The fuller, more continuous curve of the Cree TrueWhite® 90+ CRI technology renders a much larger color set than metal halide while using only a fraction of the energy.

Cree TrueWhite 90+ CRI



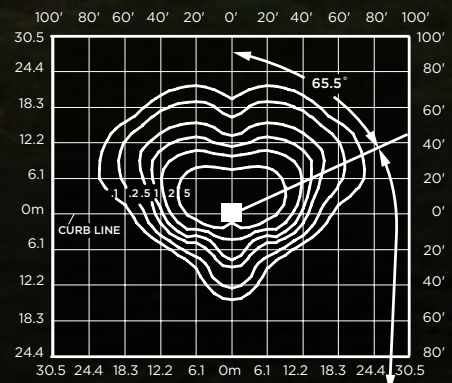
Metal Halide





Automotive FrontlineOptic™ Technology

Designed specifically for the front lines of automotive dealerships, the Cree Edge™ High Output luminaire with Automotive FrontlineOptic Technology precisely puts light on the front row of vehicle inventory, which is typically the most high profile area on the property. This optical precision, combined with the Cree Edge™ High Output luminaire's improved color quality over traditional sources, results in a solution that can dramatically enhance the curb appeal of any dealership. This competitive advantage from improved lighting, makes the Cree Edge™ High Output luminaire with Automotive FrontlineOptic Technology the perfect solution for automotive dealerships.



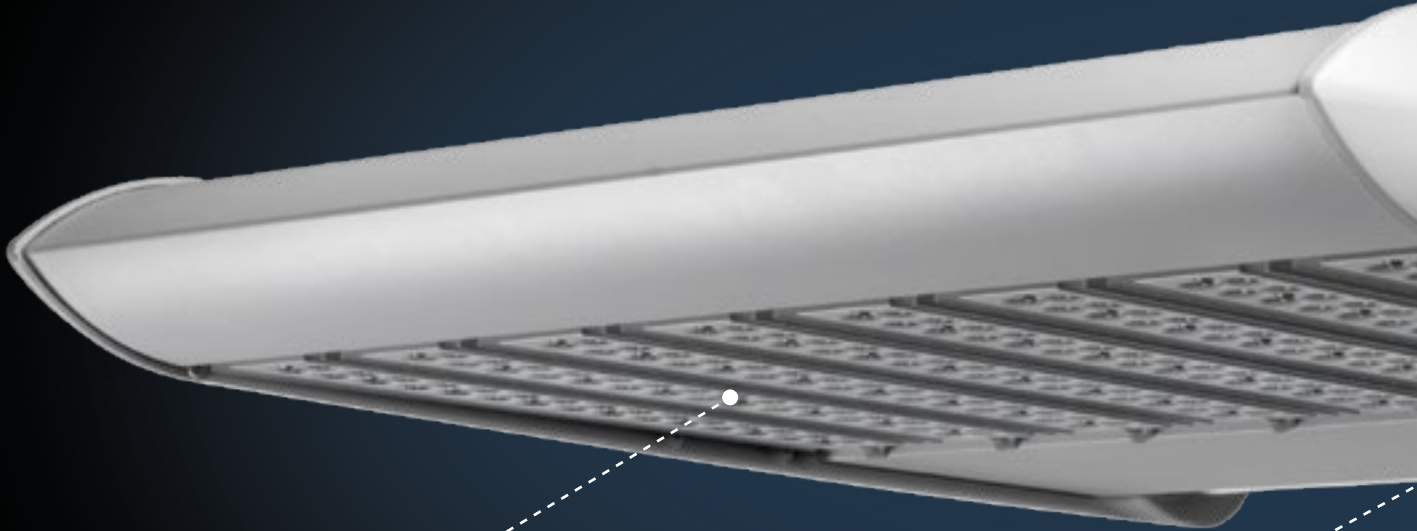
The Result:

Better Color, Quality and Control.

Unmatched design delivers unmatched results. Redefining what's possible in high output lighting, the Cree Edge™ High Output luminaire delivers exceptional illumination performance that's designed to last for more than a decade.

UNMATCHED FINISH

- Exclusive Colorfast DeltaGuard® finish
- E-coat epoxy primer with an ultradurable powder topcoat
- Excellent resistance to corrosion, ultraviolet degradation and abrasion
- Backed by a 10-year finish limited warranty



PATENTED NANOOPTIC® TECHNOLOGY

- Delivers unmatched target efficacy
- Improves uniformity ratios
- More than 20 optical choices to fit YOUR application needs
- Automotive FrontlineOptic™ Technology available to maximize light on the front row of automotive dealerships

CREE TRUEWHITE® TECHNOLOGY

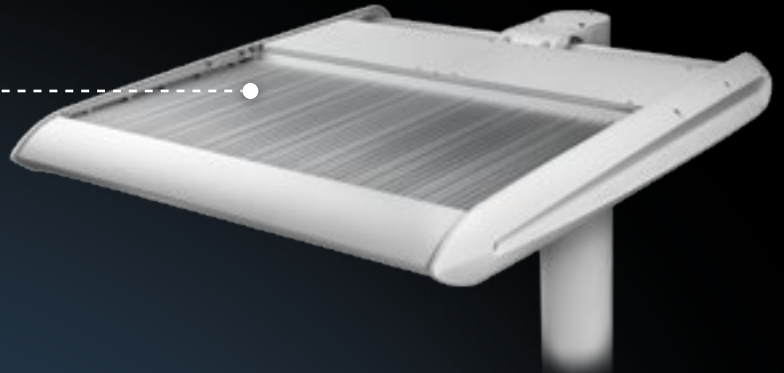
- True-to-life color rendering
- 5000K 90+ CRI
- Brings superior color quality to exterior spaces

DRIVER COMPARTMENT

- Integral
- Weather tight
- Enhanced reliability of the power supply

SUPERIOR THERMAL MANAGEMENT

- Passive thermal management system
- Patented flow through design
- Improves lumen performance and reliability



DIRECT MOUNT (DM)

Mounts directly to 5" (127mm) or larger square poles using 5/16 mounting hardware and anchor plate provided. Luminaire can also be surface wired by removing two available NPT plugs and mounted directly to vertical or horizontal surfaces.

ADJUSTABLE ARM (AA)

Rugged die cast aluminum adjustable arm that mounts to a vertical 2" (51mm) IP, 2.375-3" (60-76mm) O.D. minimum 3.75" (95mm) tall tenon.

Optional Uplight configurations in either mount is also available.



Game Changing High Output Lighting.

In the past, high output illumination was all about sacrifice and compromise. Now, the Cree Edge™ High Output luminaire featuring TrueWhite® Technology redefines high output illumination performance — delivering industry-leading 5000K 90+ CRI color quality and performance to outdoor applications. Along with superior illumination, the Cree Edge™ High Output luminaire offers significant reductions in energy and maintenance costs, and payback in under three years. The result is unprecedented color quality and enhanced curb appeal enabling more sales and increased security for any retail or commercial site. The Cree Edge™ High Output luminaire is a true game changer.

PERFORMANCE SUMMARY

Utilizes BetaLED® Technology

Utilizes Cree TrueWhite® Technology on 5000K luminaires

Patented NanoOptic® Product Technology

Exclusive Colorfast DeltaGuard® finish

CRI: Minimum 70 CRI (4000K & 5700K), 90 CRI (5000K)

CCT: 5700K (+/- 500K) Standard, 5000K (+/- 300K), 4000K (+/- 300K)

LIMITED WARRANTY: 10 years on luminaire / 10 years on finish

EPA & FIXTURE WEIGHT: Reference EPA and Weight spec sheet

Made in the U.S.A. using U.S. and imported parts

Product specifications subject to change at any time. Visit www.cree.com/lighting to find the most up to date information.

†See www.cree.com/lighting/products/warranty for warranty terms.

Design Features

PATENTED NANOOPTIC TECHNOLOGY

With more than 20 optical distributions to choose from, including our exclusive Automotive FrontlineOptic™ Technology designed specifically for automotive dealerships, we always have the right optic for the job. The precise optical control delivered by our patented NanoOptic technology allows us to eliminate wasted light. The result is the possibility for significant energy savings. High Output no longer needs to mean high energy costs.

EXCEPTIONAL THERMAL MANAGEMENT

Proper thermal management is critical to providing a sustainable LED solution. The exceptional thermal management of the Cree Edge™ High Output luminaire results in a highly reliable, high output luminaire with excellent lumen maintenance over time. And with no lamps to change you can keep those expensive bucket trucks off your lot and the significant maintenance savings in your pocket.

IMPROVED COLOR QUALITY & PERFORMANCE

In addition to color shifts and random lamp outages, metal halide technology is a very narrow spectrum color source. The Cree Edge™ High Output luminaire offers an LED solution with a much broader color range. This fuller color spectrum more closely resembles the output from the sun and provides more realistic and distinctive color renderings that can enhance safety and contribute to a more consistent visual experience. The 5000K 90+ CRI luminaires feature Cree TrueWhite® Technology, which illuminates any outdoor brand or product display with best-in-class color quality, accuracy and consistency.

UNMATCHED FINISH

Exclusive Colorfast DeltaGuard® finish features an E-coat epoxy primer with an ultradurable powder topcoat providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Backed by a 10-year finish warranty, the Cree Edge™ High Output luminaire will look great long after the competition fades away.

Cree Edge™ Series

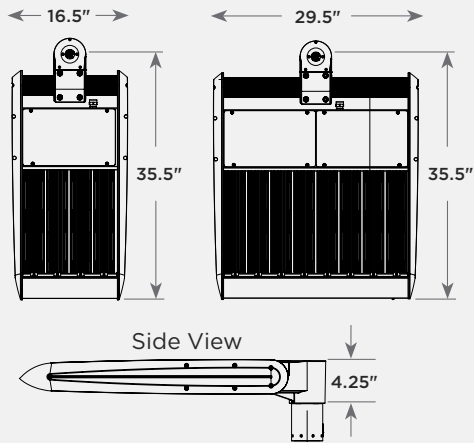
High Output Area & Flood Luminaires

ADJUSTABLE ARM MOUNT

Available Wattages:

120 LED Count
267W & 421W

240 LED Count
533W & 831W

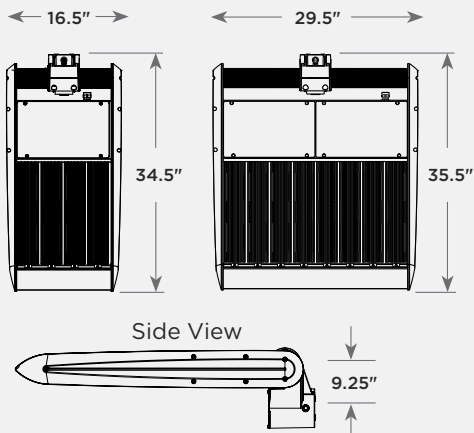


DIRECT MOUNT

Available Wattages:

120 LED Count
267W & 421W

240 LED Count
533W & 831W



Adjustable Arm



Direct Mount



Optional Uplight configurations in either mount is also available.

MORE THAN 20 AVAILABLE OPTICS

(See spec sheet for details)

Area Optics: 1S, 2S, 2M, 3M, 4M, 5M, 5S, AF (2S, 2M, 3M, and 4M also available with Backlight and Partial Backlight Optics)

Flood Optics: 15, 25, 40, 70, N6, SN

Product specifications subject to change at any time. Visit www.cree.com/lighting to find the most up to date information.



America's Leading Innovator of LED Lighting

The Cree Edge™ High Output luminaire is a modern lighting system that gives businesses the freedom to light their exterior exactly as they choose. This system is built on innovative thinking and revolutionary technology that reflect America's pioneering spirit. How fitting, then, that it was designed and assembled right here in the U.S. by Cree, America's leading innovator of LED lighting.

Cree IS LED Lighting.

Learn more at www.cree.com/lighting or contact a Cree lighting representative to learn more.

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