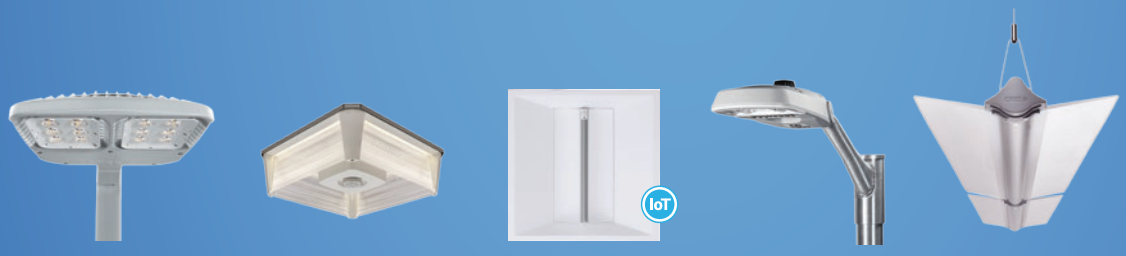

2016 LED LIGHTING CATALOG

1ST EDITION

CREE

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The all-new RSW Series LED street light luminaire

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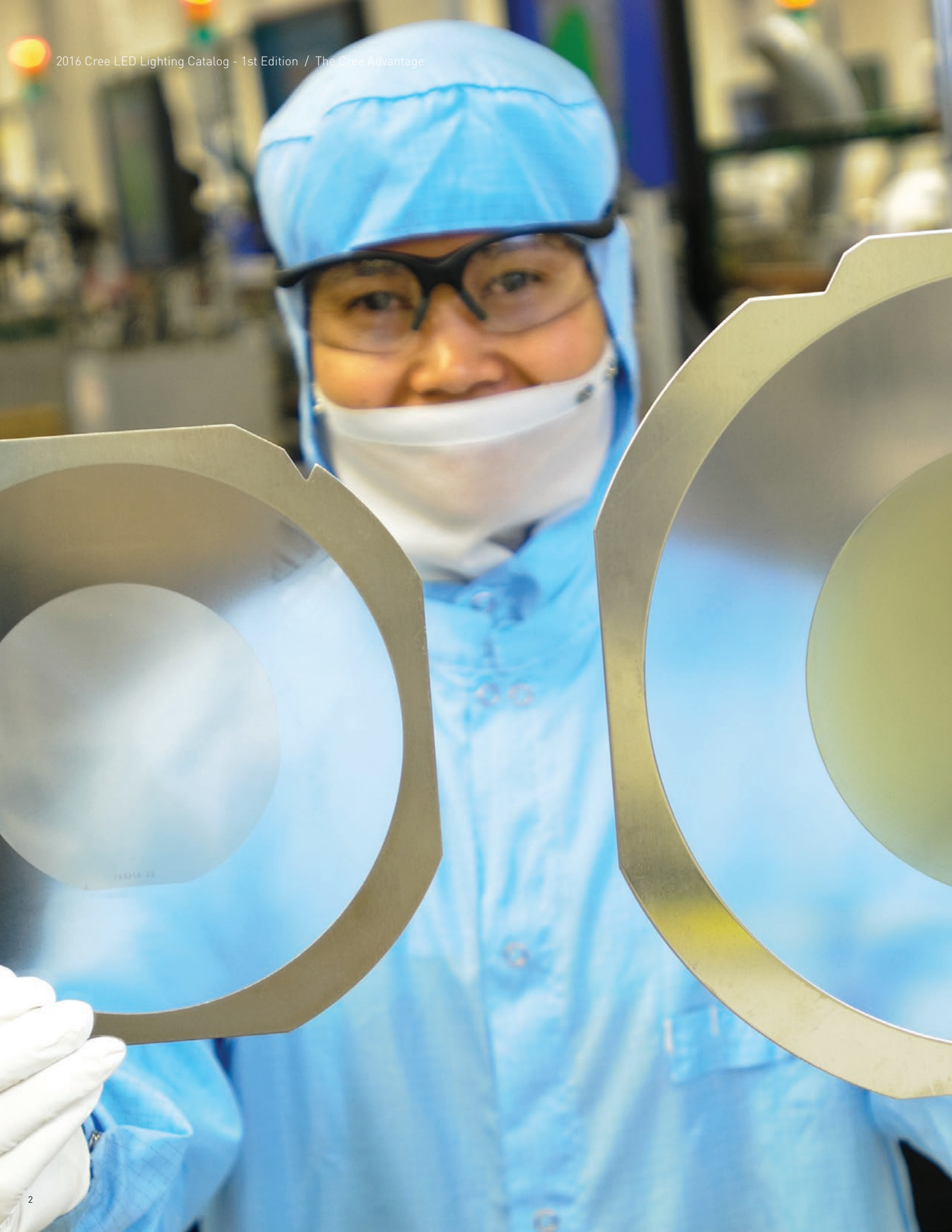
E = Essentia® by Cree products



The Cree Advantage

PROVEN, REVOLUTIONARY TECHNOLOGY

As the leading fully-integrated innovator of LED chips, components and complete lighting systems, Cree is continuously advancing our state-of-the-art LED lighting products to provide energy-efficient lighting that will look and operate as expected for years to come.

TRUE INNOVATION, SUPERIOR VALUE

Innovation — it's what drives everything we do. Cree's leadership begins with innovative materials that provide high-efficiency performance for each lamp and luminaire found within our product portfolio. With over a quarter century of experience, Cree has a deep understanding of the science behind LED lighting and provides a complete collection of indoor and outdoor LED lighting solutions to match your application.

With a large installation base of our flagship LED troffers and our industry-leading LED roadway lighting fixtures installed around the globe, Cree has a solid reputation for delivering top-performing LED lighting.

Cree remains at the forefront today, dedicated to developing new LED solutions that improve both our customers' spaces and their bottom lines. As our product lines grow, we not only build on our history of innovation, we also extend our record of delivering superior value with beautiful, energy-efficient lighting.

The Cree Advantage

BETTER LIGHT CHANGES EVERYTHING

LED lighting – with its high quality, long life and low energy consumption – has improved our world and ended the century-old era of traditional light. But for Cree, this is just the beginning. Our foundation is built on the belief that LED technology will go beyond creating good light sources to deliver vastly improved and entirely new light experiences. At Cree, we call this 'better light' and we believe it's our right.

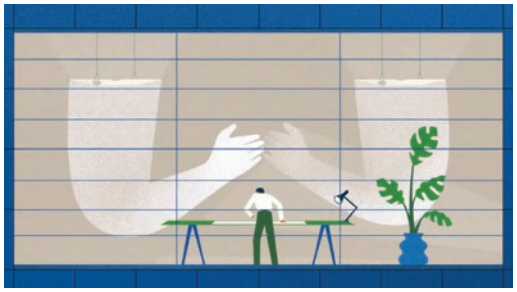
BETTER LIGHT CAN CHANGE OUR WORLD

Better Light That Improves Our Environment

Better light makes everything look better, but it can also foster attentiveness. So kids can learn more at school. And better light can improve productivity, so we'd all get a little more done at work – all using less energy. Better light even makes us safer on the drive home. And more comfortable once we get there.

Better Light That is Intelligent by Design

But better light isn't just better. It's smarter too. Cree's intelligent lighting solution automatically adapts to us and our environment for a more personalized experience. It knows when we're there, and when we're not. Everywhere we go, better light is a step ahead, making us more productive at work. Adjusting to sunlight to save money. Linking up, so fixtures work as a team with endless smart building applications to amplify productivity and savings. And that connected system? It's live in minutes, not weeks.



LEARN MORE

Visit *betterlight.cree.com* to learn how Better Light is changing our world.

Better Light That is Open to Innovation

Cree embraces cooperation to get beyond the imagined possibilities of what light can do. Better light is true innovation. Capabilities and technology that fundamentally elevate the lighting experience.

Better light changes everything, and with Cree, everything's about to change.

CREE | LIGHT A BETTER WAY

The Cree Advantage

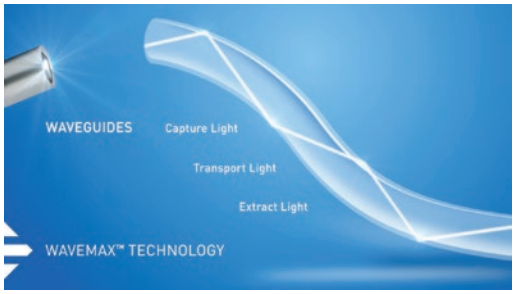
CREE WAVEMAX™ TECHNOLOGY

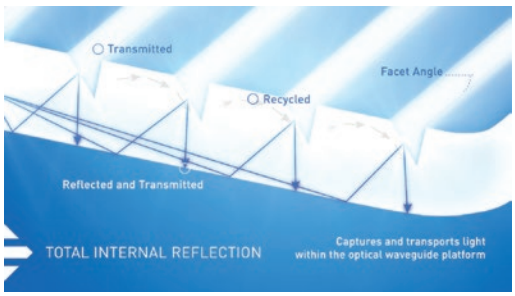
Cree WaveMax™ Technology is a breakthrough in the execution of waveguide technology that challenges industry-standard assumptions of how light is delivered. Featuring up to 90% optical efficiency and precise optical control, Cree WaveMax™ Technology enables customers to obtain unmatched visual comfort and improved color quality without sacrificing performance. This transformative technology redefines the limits of fixture design to optimize performance and provides more aesthetic options at an unmatched customer value.

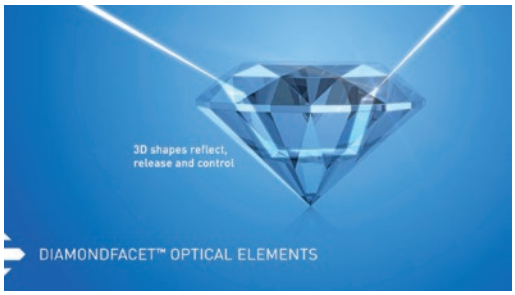
Harnessing the Benefits of Total Internal Reflection

In developing WaveMax™ Technology, Cree engineers leveraged a property known as Total Internal Reflection that captures light within the internal geometry of the optical waveguide platform. To release and control the light, Cree engineers devised yet another innovation: DiamondFacet™ optical elements – unique microscopic features located within the optical waveguide platform that extract and deliver light with exceptional control, uniformity and efficiency.

Featuring Cree DiamondFacet™ optical elements to achieve up to 90 percent optical efficiency and precise optical control, Cree WaveMax Technology can deliver unmatched visual comfort, uniform illumination and improved color quality while enabling unprecedented design capabilities and energy-saving potential for modern LED luminaires. As a result, high-CRI (color rendering index) lighting and warmer color temperatures can be achieved without sacrificing efficacy while enhancing the ability to achieve USGBC LEED® certification.







CREE | WAVEMAX™ TECHNOLOGY

WATCH THE VIDEO

Visit www.cree.com/wavemax to watch the video.

The Cree Advantage

CREE SMARTCAST® TECHNOLOGY

What if you could easily transform your existing facilities into energy-efficient spaces with automated intelligence to optimize light levels. With Cree SmartCast® Technology, we've totally redefined intelligent lighting by making it so intuitive and simple, it just works — for you and for everyone who experiences it.

Within each SmartCast® enabled luminaire, integrated sensors, cutting-edge electronics and software all work together using the language of light and intelligent algorithms to automatically learn and interact with each other and with your space. The result is a seamless application of scalable intelligent light strategies that can save you up to 70% in energy costs while delivering more comfortable, personalized lighting experiences.

And if you're ready to connect to the Internet of Things (IoT), SmartCast® Technology offers an open, scalable platform that works seamlessly with smart building applications to amplify savings and further optimize environments, delivering even more value. The best part: All of this is employed with OneButton™ Setup, enabling an entire building to be commissioned and connected at one time.

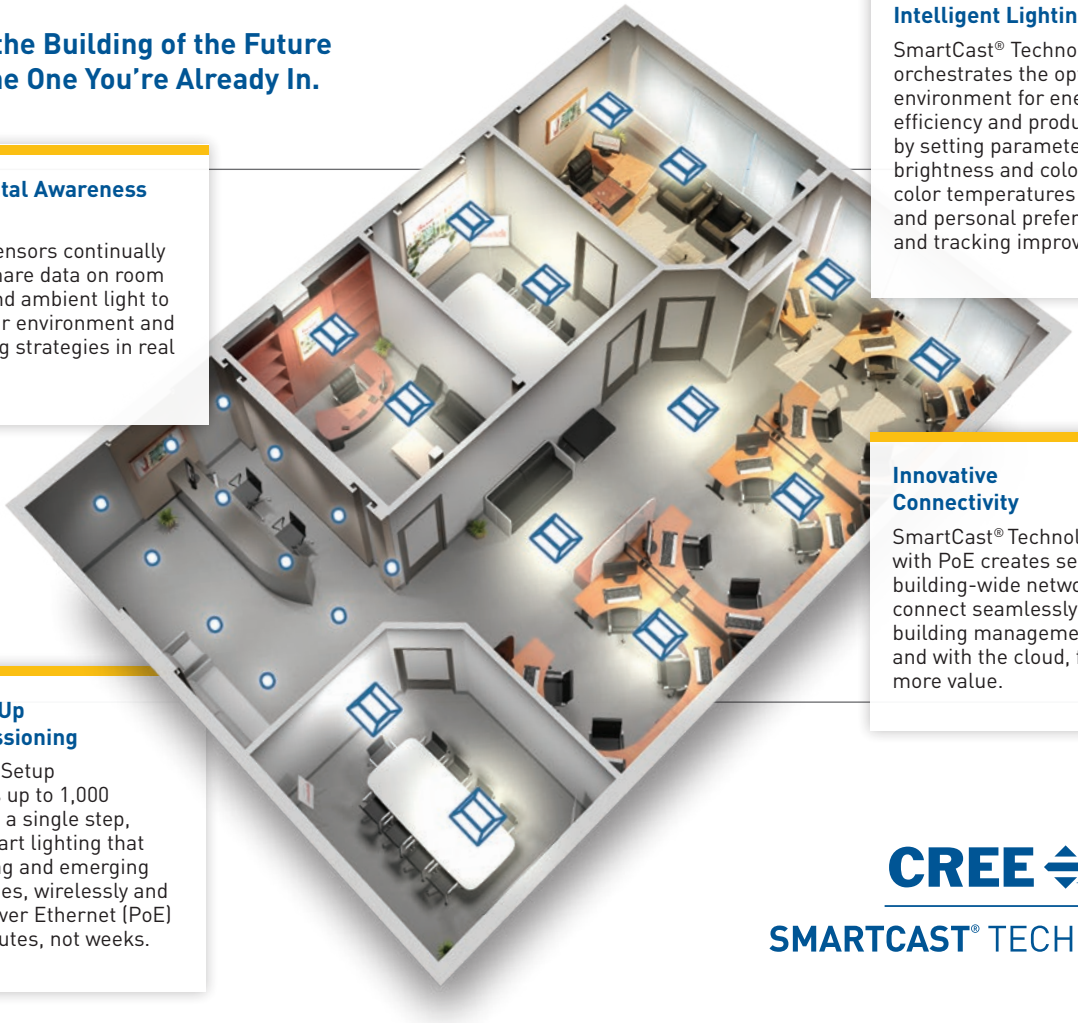
So Easy, the Building of the Future Can Be the One You're Already In.

Environmental Awareness and Control

Embedded sensors continually detect and share data on room occupancy and ambient light to fine-tune your environment and energy-saving strategies in real time.

Simple Set-Up and Commissioning

OneButton™ Setup commissions up to 1,000 luminaires in a single step, providing smart lighting that meets existing and emerging buildings codes, wirelessly and over Power over Ethernet (PoE) — live in minutes, not weeks.



A Platform for Intelligent Lighting

SmartCast® Technology orchestrates the optimal environment for energy efficiency and productivity by setting parameters for brightness and color, adjusting color temperatures to tasks and personal preferences, and tracking improvements.

Innovative Connectivity

SmartCast® Technology with PoE creates secure building-wide networks that connect seamlessly with other building management systems and with the cloud, for even more value.

CREE

SMARTCAST® TECHNOLOGY

VISIT THE MICROSITE

Go to *lighting.cree.com/SmartCast* to watch the video and learn more about Cree intelligent light solutions.

Comparison:
Fluorescent Lighting vs. Cree TrueWhite® Technology LED Lighting

Before: Fluorescent Lighting

Like Halogen, But Better

The Spectral Power Distribution (SPD) curves shown here provide a great way to compare the color characteristics of Cree TrueWhite® Technology with traditional technologies. At each point across the visible color spectrum, the height of the SPD curve correlates with how accurately that color is rendered by the light source. The fuller, more continuous curve of Cree TrueWhite® Technology enables our LED luminaires to precisely render a much larger color set than CFLs. The similarities in the Cree TrueWhite® Technology and incandescent SPD curves also give our luminaires their signature halogen-like light, while still using a fraction of the energy of even CFLs.

After: Cree TrueWhite® Technology LED Lighting

The Cree Advantage

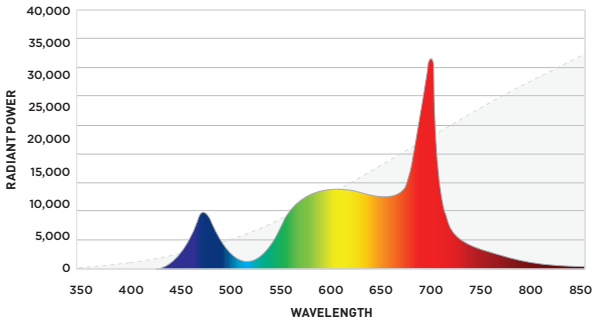
CREE TRUEWHITE® TECHNOLOGY

Color is a critical element in every interior; it establishes the personality and tone of a space. It not only shapes our moods, it can influence our buying decisions and enhance our ability to learn and interact with others.

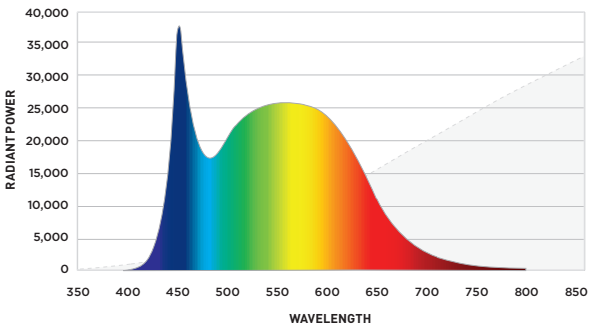
In these ways, the color rendering property of light plays a powerful role in creating spaces that appeal, inspire and inform. Fixtures powered by Cree TrueWhite® Technology use an exclusive combination of 90+ CRI, high R9 values, beautiful light characteristics and lifelong color consistency to render the true colors of everything from fresh fruit to school books, delivering value far beyond financial savings.

And unlike with other white LED technologies, the luminaire efficacy of Cree TrueWhite® products does not diminish at lower color temperatures or with higher CRI. This means our luminaires can provide warm white light with high color rendering, all with maximum luminaire efficacy – a true no-compromise solution.

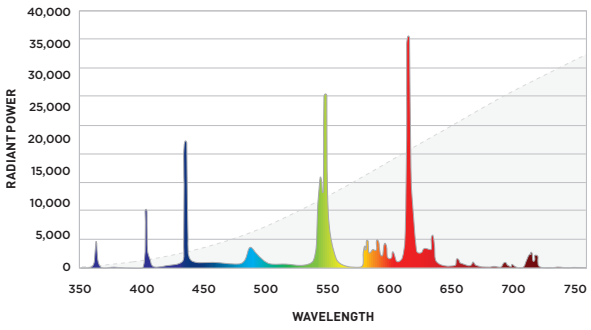
Cree TrueWhite® Technology with Mixing LEDs (BSY+R)



Cree TrueWhite® Technology with Phosphor Conversion



CFLs



CREE TRUE WHITE TECHNOLOGY

The Cree Advantage

NANOOPTIC® TECHNOLOGY

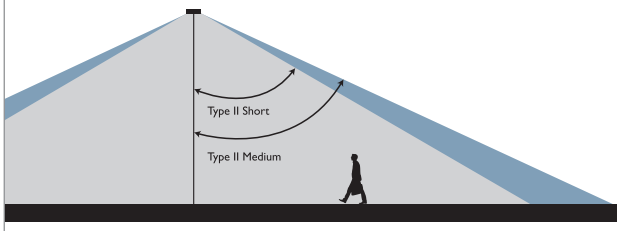
Over 20 Optic Choices for the Flexibility You Need

Traditional technologies offer limited choices when it comes to optical selections. Cree has changed this with our patented and highly-efficient NanoOptic® refractor technology. Our wide range of NanoOptic options provides new possibilities for highly-optimized target illumination performance and the flexibility needed for application-specific requirements. Our NanoOptic refractor system provides superior light control with:

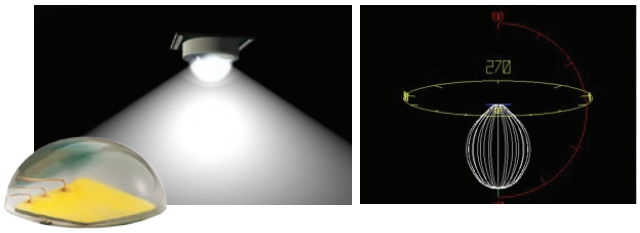
- More lumens delivered in the target area
- Improved uniformity ratios
- Controlled high angle brightness
- Multiple optical distribution patterns to choose from

NanoOptic® Technology Explained

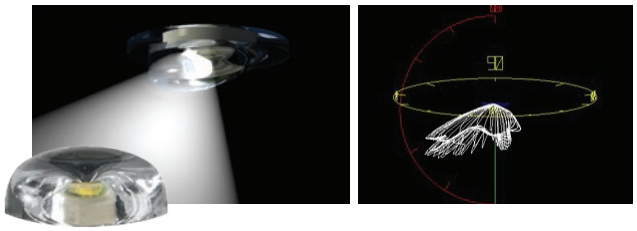
The illustration below represents the LED optical fine-tuning range that Cree outdoor luminaires can provide. The gray area shows Type II short optic coverage. The short optic can be utilized to comply with more stringent light spill and high angle brightness specifications or codes by incorporating a lower main beam. The wider blue area indicates the Type II Medium optic coverage. This optic incorporates a slightly higher main beam to allow for wider and more economical pole spacing.



Bare LED Package

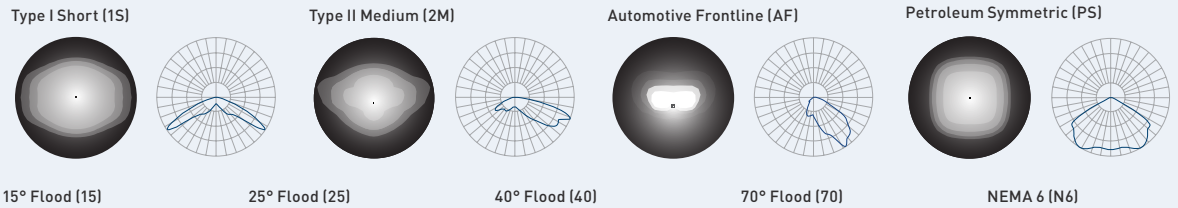


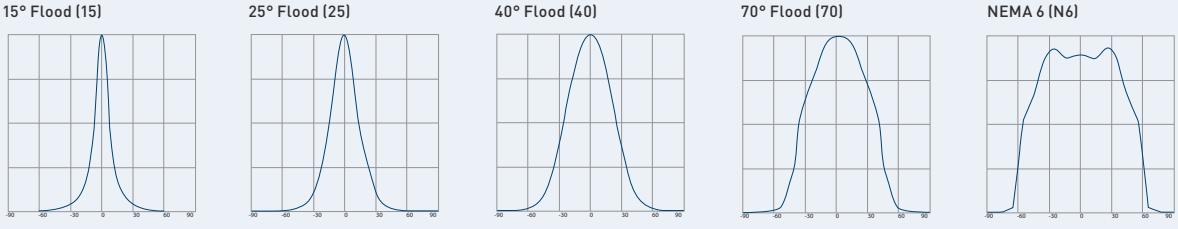
Cree® NanoOptic Refractor Control



NanoOptic Distribution Examples

Visit cree.com/lighting to see all available NanoOptic choices.





The Cree Advantage

COLORFAST DELTAGUARD® FINISH

Premium Protection with Proven Results

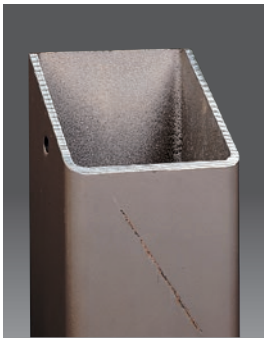
Colorfast DeltaGuard® Finish is the finest industrial-grade finish available, is exclusive to Cree exterior products and poles, and carries an industry-leading 10-year limited warranty. Each product follows an immersion process that includes six cleaning stages, eight pre-treatment stages and an epoxy e-coat before the topcoat is applied. A baked-on ultra-durable powder topcoat is the last step to a truly outstanding finish that provides:

- Ultraviolet light resistance
- Hard surfacing
- Superior adhesion
- Corrosion resistance
- Fade protection
- Multiple finish options
- Endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions (ASTM Standard B117)

Proven Results - Salt Fog Test Results

The same 3mm thickness of powder topcoat was applied to each of these four pole section samples, which were then scored and exposed to a salt fog test for 2,500 hours. The results are clear – our Colorfast DeltaGuard finish stood up to the test, proving our ability to protect your investment even in the most grueling conditions.

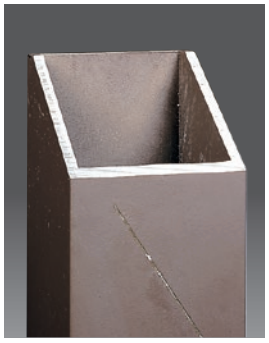
Steel



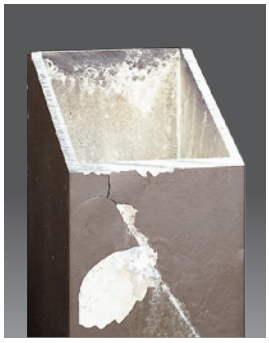
Cree Colorfast DeltaGuard

Typical 5-Stage

Aluminum



Cree Colorfast DeltaGuard



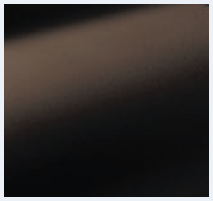
Typical 5-Stage

Color Finish Options

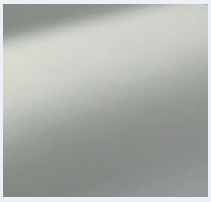
Colorfast DeltaGuard is available in four colorfast finishes providing design freedom on top of premium protection.

Black

Bronze



Silver

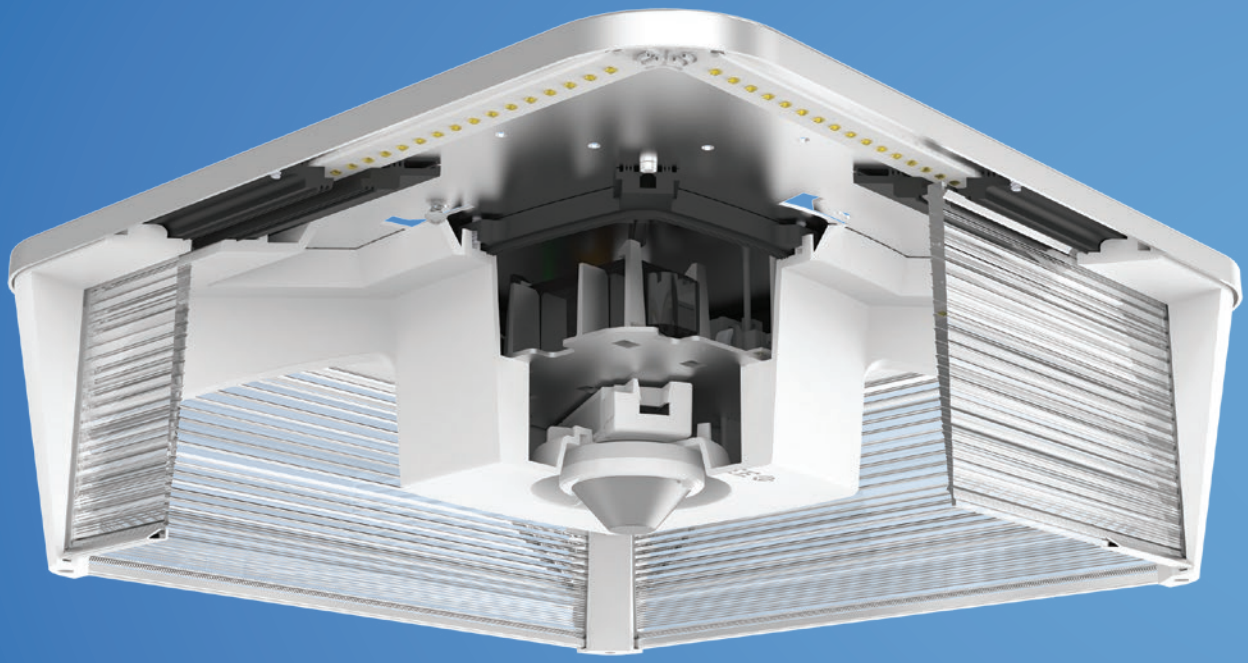


White

The Cree Way

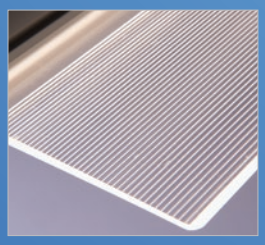
A TOTAL SYSTEMS APPROACH

Our total systems approach is a comprehensive engineering philosophy that combines the most advanced LED sources, driver technologies, optics and form into each product. The result is highly-reliable luminaire solutions for both indoor and outdoor that reduce energy consumption, extend lifetimes and maximize illumination performance and quality.



Advanced LED Technology

Inside every Cree® luminaire are top-quality Cree® LEDs, made from the finest materials and grown by experts in our very own labs. With over one billion hours of reliable LED operation logged, our proven track record explains why we offer the industry's broadest warranty.



Specialized Optics

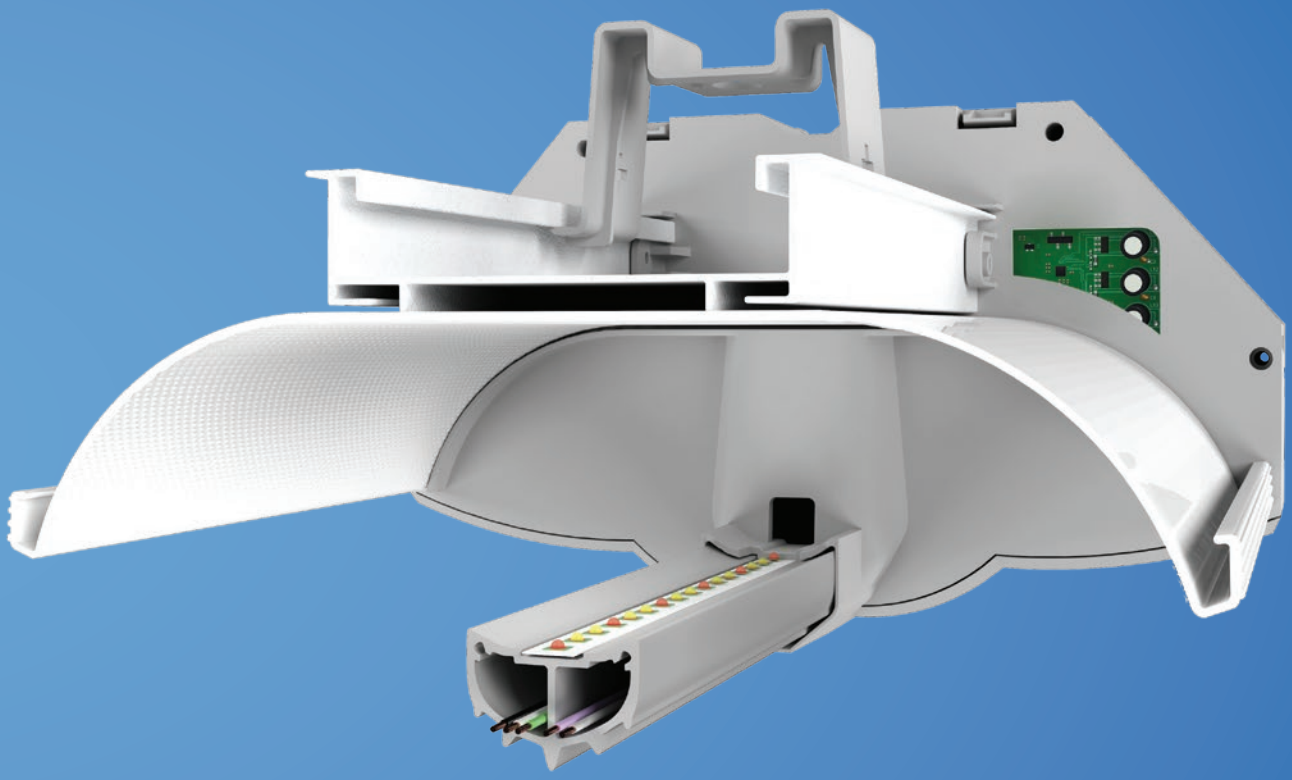
From our patented NanoOptic® refractor system to our WaveMax™ optical design, Cree luminaires feature individually optimized optics designed for both visual appeal and precise control, maximizing photometric performance, aesthetics and color mixing all at once.

Modular Design

We do not take a one-size-fits-all approach. Rather, Cree strives to create application-specific solutions, such as our modular outdoor light engines, which can be fine-tuned to meet any illumination requirement while consuming the least amount of energy possible.

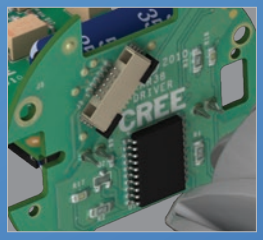
Progressive Product Development

As technology leaders, we are continuously advancing our state-of-the-art LED lighting systems to gain the highest efficiency and quality light from our luminaires. Dynamic R&D focuses on maximizing efficiency in every part of the luminaire, while Cree world-class engineering, highly experienced manufacturing teams and overall operational excellence combine to produce our distinctive top-performing LED lighting products.



Thermal Management

Excellent thermal management contributes to optimal illumination, reliability and longevity. From advanced heat sink technology to our vented outdoor housings, Cree® luminaires are designed to maximize cooling, making their unmatched performance and longevity possible.



Reliable & Optimized Drivers

The drivers utilized in Cree luminaires are extremely reliable and are specifically designed to our high-efficiency standards. A variety of drive current options provide flexibility, while our integrated sensors and controls can offer total system solutions.

Style & Performance

Cree luminaires incorporate all the critical design elements needed to deliver exceptional performance and easy installation, all without compromising style. Our modern yet low-profile designs and high quality finishes offer beautiful aesthetics to any application, indoors and out.

The Cree Advantage

BENEFITS AT EVERY TURN

Cree is the originator of today's LED lighting technology and is 100 percent committed to the continued advancement of solid state lighting. From growing our patented Silicon Carbide (SiC) materials, to developing the components, to manufacturing complete lighting systems, our entire portfolio benefits from Cree's unrelenting pursuit of developing the most advanced LED lighting available.

Proven Quality & Performance

A leading innovator of LED chips, components and lighting, Cree has over a quarter century of experience in LED lighting development. As a leading vertically-integrated LED lighting company, Cree is revolutionizing the lighting industry with the development of sustainable lighting technology that provides superior lighting performance.

Ultra-Efficient Lighting

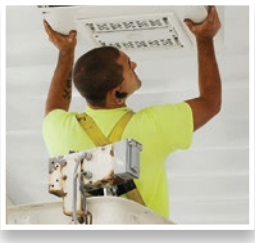
Lighting accounts for approximately 20 percent of electricity use in both residential and commercial applications. Cree offers a complete line of indoor and outdoor LED lighting solutions that significantly reduce electricity consumption and operating costs for commercial and residential applications.

Lifetime Energy Savings

One of the main advantages of LED lighting is reduced power consumption. Cree® LED lamps and luminaires use just a fraction of the energy required to operate traditional lighting; as energy demands rise, the cost savings and carbon reduction from upgrading to LED lighting will continue to reduce operational costs.

Reduced Maintenance Costs

Maintenance cost savings is one of the major benefits realized when making the switch to LED lighting. Designed for extended life, Cree® LED lamps and luminaires will last much longer than conventional lighting, which equates to fewer replacements over time and less money spent on maintaining your lighting system.



Easy Installation & Upgrading

The products found in this catalog have all been designed with ease of installation in mind. From the standard Edison bases found on the lamps to the traditional mounting options available for our troffers and outdoor products, Cree® LED lamps and luminaires can work as a direct replacement or as a perfect fit for new lighting install opportunities.

Long-Term Financial Benefits

Cree offers some of the most energy-efficient and long-lasting LED lighting in the industry. This translates to financial savings through reduced operational costs and less money spent on maintenance due to extended product life. Depending on the application, the payback period for LED lighting typically ranges from one to three years.

Cree Quick Ship Program

AVAILABLE AND READY TO SHIP

The Cree Quick Ship Program is designed to help you receive your orders for our LED lighting products fast! When you need the highest quality LED lighting products, count on Cree Quick Ship to deliver items quickly.

Cree Quick Ship products are our most popular indoor and outdoor products ready to ship to you. No more waiting for these items to be built-to-order, as we target having them in-stock and ready to ship.

- **Serve quick turn jobs and orders with products that are available to ship.**
- **Accelerate LED adoption by matching/beating incumbent technology availability.**
- **Increase your sales and create happy customers with fast shipping.**

For more information on the Quick Ship program, including guidelines and rules, please visit:

lighting.cree.com/resources/quickship-program

Industry-Leading Limited Warranty

Cree offers a standard 10-year limited warranty that covers the broadest product range in the industry. This covers nearly all Cree globally available commercial-grade indoor and outdoor fixtures. We also offer an industry-leading standard 10-year limited warranty covering our Colorfast DeltaGuard® Finish on all outdoor fixtures and poles. To learn more about the products covered under our standard warranty, please visit:

lighting.cree.com/warranty

The Cree Advantage

FUNCTIONAL, SIMPLE, AFFORDABLE.

Since we believe that better light is a human right, it's only fair that we expand your choices for exceptional quality and lighting performance that meets the needs of your application while staying in line with project expectations. We've redefined what's considered to be the industry standard with the introduction of Essentia® by Cree — a new line of essential commercial lighting solutions. Now every selection is a smart investment. Very smart, because Essentia® by Cree delivers great performance with the assurance that it's backed by Cree. Now you can choose with confidence.

Empowered Choice

You don't have to sacrifice performance and function for affordability. Essentia® by Cree expands your choices for that essential mix—giving you more power to choose wisely and a greater ability to customize and control your ROI. Now every selection is a smart investment.

Enhanced Experiences

You don't have to settle for anything less than a better lighting experience, and you deserve options that you feel good about. Essentia® by Cree accepts the challenge and delivers LED solutions that improve visual comfort, color quality and efficiency.

Quality Confidence

Essentia® by Cree gives you the assurance of a highly reliable "Just Right" choice backed by a leader you trust. After all, no one understands the fundamentals of LED lighting like the company that invented LED. Now you can choose with confidence.

ESSENTIA®
by CREE

Stay up to date with all things Essentia® by Cree — including product information by visiting: lighting.cree.com/Essentia-by-Cree

Round

Wall Wash

Adjustable

Downlights

Better Downlighting. Hands Down.

Essentia® by Cree downlights are engineered to provide outstanding performance at just the right return on investment. The comprehensive portfolio includes 4", 6" and 8" round downlights, adjustable downlights and wall wash downlights. Available in a variety of lumen packages and color temperatures, each downlight is rated 50,000 hours and features a premium reflector finish with a range of color trim options.

Applications: Corporate Office, Education, and Retail/Petroleum
Learn more on page 32

2x4 Flat Panel

2x2 Flat Panel

1x4 Flat Panel

Flat Panel

Flat-Out Better: Ultra-Thin, Edge-Lit Design

The Essentia® by Cree Flat Panel product family provides lighting customers with LED flat panel solutions for use in recessed and suspended commercial applications. The fully luminous flat panel design transforms any space into a modern, visually comfortable environment with soft, balanced light. The remarkably thin 2.8" depth of the Essentia® by Cree Flat Panel easily accommodates narrow plenums, or can be suspended for a more stylish look. Available in 2'x4', 2'x2' and 1'x4' configurations and delivers up to 5000 lumens of highly efficacious 100 LPW with superior 90 CRI color quality. The enhanced optics enable the Flat Panel to meet low glare requirements, delivering an improved customer experience by reducing lighting fatigue.

Applications: Corporate Office, Education, Healthcare, and Retail/Petroleum
Learn more on page 50

Flat Back

Low Profile

Track System

Track

On Track For Better Light Experiences

The Essentia® by Cree Track portfolio delivers better lighting experiences with a complete line of products backed by Cree — putting an end to concerns over quality and reliability in commercial track lighting. Build a complete track lighting solution with our one- or two-circuit track, LED integrated heads, lampholders and/or accessories for maximum design flexibility. Precision-engineered optics result in beautiful beam spreads while smooth light eliminates fringing, hot spots and discoloration. Easily upgrade legacy track heads with Essentia® by Cree lampholders and compatible Cree LED bulbs or LED integrated solutions for optimum results.

Applications: Corporate Office, Restaurants, Hospitality, and Retail/Petroleum
Learn more on pages 100-105

INDOOR LED PRODUCTS

Cree is committed to delivering the best solutions on the market, inspired by the needs of our customers and perfected by the knowledge and expertise of our engineers. We recognize the importance of beautiful energy-efficient lighting and aspire to improve every business with uncompromising performance and payback.

LED NEW CONSTRUCTION DOWNLIGHTS

KR Series
KR8™ / KR6™ / KR4™ p.26

ESA Series
Recessed Round / Recessed Square p.28

ESA Series
Surface Cylinder p.30

LED NEW CONSTRUCTION DOWNLIGHTS

Essentia® by Cree Downlights
Round / Wall Wash / Adjustable p.32

LED RETROFIT DOWNLIGHTS

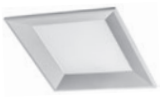
DR Series
DR6™ / DR4™ p.36

LR Series
LR6™ / LE6™ p.38

CR Series
CR6™ / CR4™ p.40

LED TROFFERS

LR Series
LR22™ p.44



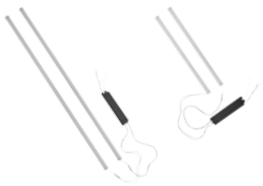
ZR Series
ZR24™ / ZR14™ / ZR24™ p.46

CR Series Troffers
CR24™ / CR14™ / CR22™ p.48

Essentia® by Cree Flat Panel
FP24 / FP14 / FP22 p.50

LED UPGRADE SOLUTIONS

UR Series Upgrade Kit
UR2-48™ / UR2-24™ p.54



LED SUSPENDED AMBIENT

LN Series
LN4™ p.58

CS Series Linear
CS18™ / CS14™ p.60

LED SURFACE AMBIENT

LS Series
LS4 / LS8 p.64

WS Series
WS4™ p.66

LED HIGH-BAY/LOW-BAY

CXB Series
CXB p.70

Cree Edge™ Series High Output
Cree Edge™ HO High Bay p.72

304 Series™
304 Series™ Interior p.74

Cree Edge™ Series
Cree Edge™ Interior Round p.76

LED LAMPS & ACCENTS

LBR Series
LBR-30™ p.80

LRP-10L Series
LRP38-10L-12D / LRP38-10L-25D p.82

MR16 Series
MR16 p.84

A19 Series
A19 p.86

A21 Series
A21 p.88

A21 3-Way Series
A21 p.90

BR Series
BR30 p.92

LED LAMPS & ACCENTS

PAR38 Series
PAR38 p.94

PAR38 Series
PAR38 p.96

TRACK LIGHTING

Essentia® by Cree E
LED Track Heads p.100

Essentia® by Cree E
Lamp Holders p.102

Essentia® by Cree E
Track & Accessories p.104

INTELLIGENT LIGHTING SOLUTIONS

Cree SmartCast® Technology p.108-111

CREE
SMARTCAST® TECHNOLOGY

Lutron EcoSystem® Enabled p.112

LUTRON EcoSystem® Enabled

IoT = Internet of Things

INDOOR APPLICATIONS

As consumer expectations evolve, so should the environment and experiences we offer. Cree helps businesses overcome the challenges of an ever more demanding marketplace with a broad set of world-class LED fixtures that offer uncompromising performance, style and affordability.

Architectural

Cree® interior architectural lighting is both crisp and warm. With 90+ CRI and superior color rendering, your space appears vibrant, comfortable, clean and inviting.

Corporate Campus

For corporations planning newly-constructed or renovated campuses, Cree is the lighting product of choice for up to 80 percent energy cost savings and contributions toward LEED credits from the U.S. Green Building Council.

Healthcare

With healthcare ranking as the second largest energy consumer in the U.S., energy cost-saving technology like Cree's efficient LED luminaires is essential to achieve Department of Energy initiatives.

High-Bay/Low-Bay

Cree® interior high-bay lighting is the ideal source for energy-efficient illumination in large spaces and provides improved, lasting performance in cold storage facilities.

Museum & Amusement

Enhance the illumination of your exhibits and all of your guest spaces with soft accents or dramatic highlights. Significantly reduce the need for lighting maintenance and associated labor costs.

Convenience Store

Petroleum stations are attracting customers with improved Cree lighting that creates a safe environment with dramatically better visibility and the added benefit of tremendous energy cost savings.

Residential

Create a comfortable, inviting experience in your home with beautiful LED lighting — better quality light and better for the environment. With normal home usage, LED lighting typically lasts more than 20 years and uses significantly less power than traditional lighting.

Restaurant & Hospitality

Cree® luminaires are the ideal solution for multiple-location franchise installations because they offer the versatility of optical selections and upgradable modular LED lightbars to meet different lighting ordinances.

Retail & Grocery

From a safe and inviting parking area to an appealing sales floor to a well-lit warehouse, Cree offers a complete line of LED luminaires that will enhance the atmosphere throughout your entire store.

School & University

The U.S. Green Building Council sees school construction and renovation as a sector that has potential for tremendous energy cost savings by implementing environmental solutions. Schools and universities looking for sustainable lighting alternatives are selecting Cree.

LED NEW CONSTRUCTION DOWNLIGHTS

Cree® LED new construction downlights allow designers to meet interior lighting performance specifications while achieving beautiful color consistency. With Cree's wide range of LED lighting options, commercial and high-end spaces can achieve bright beautiful light and significant energy cost savings — a true no-compromise solution.

KR Series

p.26

- Minimum 90 CRI
- CCT: 2700K, 3000K, 3500K, 4000K or 5000K
- Up to 8000 lumens
- Utilizes Cree TrueWhite® Technology
- Utilizes Cree WaveMax™ Technology
- 5% Triac Dimming, 10% 0/1-10V Dimming, 1% 0/1-10V Dimming (KR8)
- 4", 6" and 8" sizes
- Cree SmartCast® Technology, Triac and 0-10V available

ESA Series Recessed

p.28

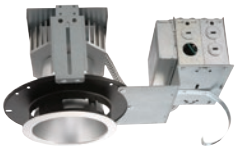
- Minimum 80 CRI
- CCT: 2700K, 3000K, 3500K or 4000K
- NanoOptic® Technology for precise optical control
- 0–10V dimming
- Available as downlight, adjustable and lensed wall wash

ESA Series Surface Cylinder

p.30

- Minimum 80 CRI
- CCT: 2700K, 3000K, 3500K or 4000K
- NanoOptic® Technology for precise optical control
- 0–10V dimming
- Multiple light distributions available

ESSENTIA® by CREE



Essentia® by Cree Downlights

p.32

- Minimum 90 CRI
- CCT: 2700K, 3000K, 3500K or 4000K
- Up to 6790 delivered lumens
- 1% 0/1-10V Dimming
- Available in downlights, wall washers and adjustable accents
- 4", 6" and 8" round apertures
- Multiple light distributions available

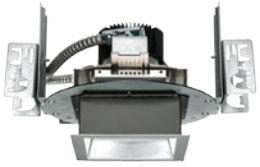
KR Series Downlights

KR4™ Round

KR6™ Round

KR8™ Round

KR4™ Square



KR6™ Square

EXCEPTIONAL LIGHT QUALITY, CONSISTENT PERFORMANCE AND UNBEATABLE VERSATILITY.

The KR Series utilizes Cree TrueWhite® Technology to deliver beautiful, high-quality light with superior efficacy. With round and square trim options, multiple lumen packages, a variety of color temperatures, out-of-the-box dimming options including 0/10V, Triac and Cree SmartCast® Technology, the KR Series 4-inch and 6-inch downlights are ideal for any new construction downlight application.

In addition to Cree TrueWhite® Technology, the KR Series 8-inch downlight features Cree WaveMax™ Technology with a dual-optic lens design that optimizes how light flows through the waveguide and is dispersed — offering very efficient light control. Delivering up to 8000 lumens and offering a variety of color temperatures, the KR8™ downlight is ideal for new construction applications with high ceilings.

BENEFITS

- Up to 30 percent more efficient than CFL
- Cost-effective from day one
- Reduced maintenance cycles
- High color quality

FEATURES

- 4", 6" and 8" apertures
- Efficacy up to 77 LPW
- Utilizes Cree TrueWhite® Technology
- Utilizes Cree WaveMax™ Technology
- Standard 10-year limited warranty
- 50,000-hour rated life
- 10% Cree SmartCast® Technology, 5% Triac, 10% 0/1-10V dimming options, or 1% 0/1-10V dimming for KR8™ downlight
- Emergency battery backup

APPLICATIONS

- Airports, interior architectural, corporate campus, municipal, museum & amusement, restaurant & hospitality, retail & grocery

KR Series Downlights

KR Series 4" & 6" Downlights

Example: KR4-9L-27K-120V + KR4T-SSGC-FF

SERIES	SIZE	REFLECTOR	LUMEN OUTPUT	CCT	VOLTAGE	CONTROLS	EMERGENCY
KR	**4** - 4" Housing **6** – 6" Housing	**Blank** Round **S** Square	**9L** - up to 683 Delivered Lumens **13L** - up to 1060 Delivered Lumens **20L** - up to 1664 Delivered Lumens **30L** - up to 2545 Delivered Lumens **40L** - up to 3337 Delivered Lumens **60L** - up to 5265 Delivered Lumens	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **50K** - 5000K	**Blank** - 120 Volts **277V** - 277 Volts	**120V** Triac Dimming **10V** 0/1-10V Dimming	**EB7**

REFLECTOR	REFLECTOR FINISH	FLANGE FINISH	OPTIONS
KR4T **KR6T**	**SSGC** - Soft Satin Glow Clear	**FF** - Matching **WF** - White Paint	**WW** - Wall Wash**

Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.
*WW available in KR6 only.

KR Series 8" Downlight

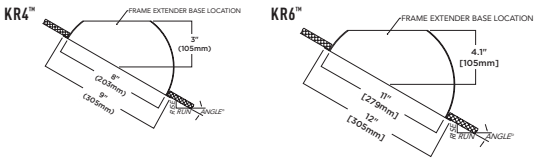
Example: KR8-60L-10V-FR + KR8-00L-15D-30K-SSGC-FF

SERIES	INITIAL DELIVERED LUMENS	OPTIC	CCT	REFLECTOR FINISH	FLANGE FINISH
KR8	**00L** - 8" Housing	**15D** - 15° Beam Angle **25D** - 25° Beam Angle **40D** - 40° Beam Angle	**30K** - 3000K **35K** - 3500K **40K** - 4000K	**SSGC** - Soft Satin Glow, Clear	**FF** - Matching **WF** - White Paint

SERIES	SIZE	REFLECTOR	LUMEN OUTPUT	VOLTAGE	CONTROLS	FRAME
KR	**8** - 8" Housing	**Blank** Round	**60L** - up to 6000 Delivered Lumens **80L** - up to 8000 Delivered Lumens	**Blank** - Universal 120-277V	**10V** 0/1-10V Dimming	**FR**

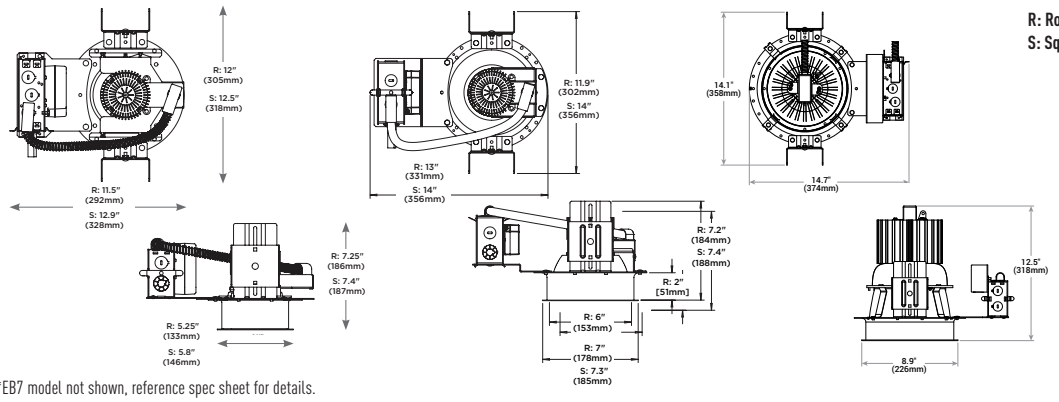
*Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens NOTE: Price adder may apply depending on configuration

Accessory Information

FIELD INSTALLED	SLOPED CEILING ADAPTOR	REFLECTOR OPTIONS
C-Channel Hanger Bars **RBH30C** - Pair of 30" (762mm) rigid 3/4" x 1/2" (19mm x 13mm) C-Channel bars **RBH24C-1** - Pair of 24" (610mm) x 1-1/2" (38mm) x 1/2" (13mm) standard C-Channel bars **T-Bar Clips** **RARC7** - Set of four - For use with RBH24C-1 hanger bars	Replace "XX" with an angle, in 5-degree increments between 5 and 35 (example "05" or "35"). 	 **SSGC** Soft Satin Glow Clear

Dimensions

KR4™ DOWNLIGHT | KR6™ DOWNLIGHT | KR8™ DOWNLIGHT

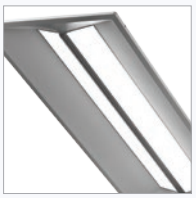


*EB7 model not shown, reference spec sheet for details.

You May Also Be Interested In:

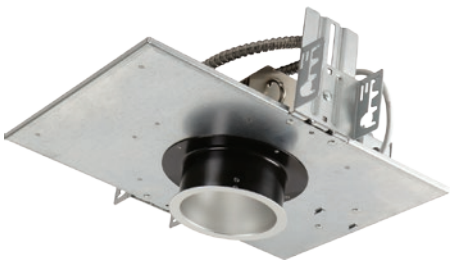
LR SERIES DOWNLIGHTS
Commercial-Upgrade Downlight Solutions

LS SERIES
Commercial-Grade Linear Solutions

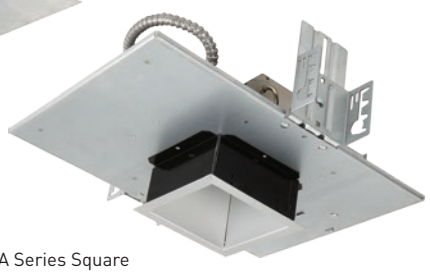


CR SERIES TROFFERS
High-Efficiency, Affordable Troffers

ESA Series Recessed Downlights



ESA Series Round



ESA Series Square

A COMPLETE RANGE OF PRODUCTS TO FILL THE DESIGN REQUIREMENTS OF TODAY'S COMMERCIAL SPACES AND HIGH-CEILING APPLICATIONS.

A wide product offering of ESA recessed downlight, adjustable and wall-wash luminaires fills architectural design requirements. Impressive lumen packages beyond 5,000 initial lumens delivered allow designers to meet strict interior lighting performance specifications with a complete LED solution. Achieve beautiful color consistency in any space when you choose the ESA Series luminaires.

BENEFITS

- Greatly reduced maintenance cycles
- Reduce energy consumption by up to 50 percent
- Precise optical control
- Tight color consistency

FEATURES

- Unbeatable LED lumen package
- Replaceable light source
- Upgradable optics
- Multiple color temperatures
- Narrow, medium and wide distribution patterns
- Standard 0 to 10 volt dimming control
- 4-, 6- and 8-inch square and round apertures
- 45° cut-off
- 50,000-hour rated life

APPLICATIONS

- Interior architectural, healthcare, municipal, restaurant & hospitality, retail & grocery, school & university, government

ESA Series Recessed Downlights

Ordering Information

Example: ESA-ADR-8-28-D-LWW-SSGC-FF-120-525-35K

FAMILY	PRODUCT	APERTURE	LED COUNT	LED SERIES	OPTIC	REFLECTOR FINISH	FLANGE FINISH	VOLTAGE	DRIVE CURRENT	OPTIONS
ESA	ADS ADR	4 6 8	14 28 42 56	D	NDADJ NSADJ NPADJ LWW WD MD ND	SSGC SSGGR SSGBR SSGCG SSGPE SSGWH SSGB W	FF WF XF	120 277	525	27K 30K 35K 43K DH FS MC ES SCA WL LM TR

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Reflector Options

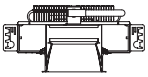
SSGC Clear
SSGGR Graphite
SSGBR Bronze
SSGCG Champagne Gold
SSGPE Pewter
SSGWH Wheat
SSGB Black
W White

OPTIONS

STANDARD

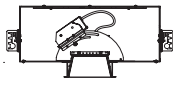
Square

Round

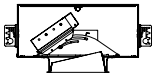


ADJUSTABLE

Square



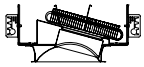
Round



WALL WASH

Square

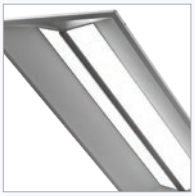
Round



*For example purposes only.

You May Also Be Interested In:

ESA SERIES
SURFACE CYLINDER
Architectural Downlighting Solutions



CR SERIES TROFFERS
High-Efficiency, Affordable Troffers

OL SERIES™ LINEAR
Commercial Linear Solutions

ESA Series Surface Cylinder

ESA Surface Cylinder

STYLISH SURFACE CYLINDER LUMINAIRE THAT PROVIDES COLOR POINT STABILITY AND DESIGN INTEGRITY THROUGHOUT THE LIFE OF THE APPLICATION.

Interior architectural design options now include a stylish surface cylinder luminaire with the high performance and light blending flexibility that only an LED solution can provide.

The stylish cylinder luminaires feature 45-degree visual cut-off to the source. A state-of-the-art flow-through design includes an integrated heat sink for superior thermal management to optimize lumen maintenance and reliability of the luminaire.

BENEFITS

- Greatly reduced maintenance cycles
- Reduce energy consumption by up to 50 percent
- Precise optical control
- Tight color consistency

FEATURES

- Surface, pendant, cable or wall-mount options
- Variety of LED counts: 28, 42 and 56
- Wide selection of optic distributions: wide, medium, narrow and narrow spot
- Standard color temperatures: 2700K, 3000K, 3500K, 4000K
- Multiple housing colors: black, bronze, Carmaro silver, white
- Optional Lutron Hi-Lume® dimming, fusing and lens media

APPLICATIONS

- Interior architectural, healthcare, municipal, restaurant & hospitality, retail & grocery, school & university, government

ESA Series Surface Cylinder

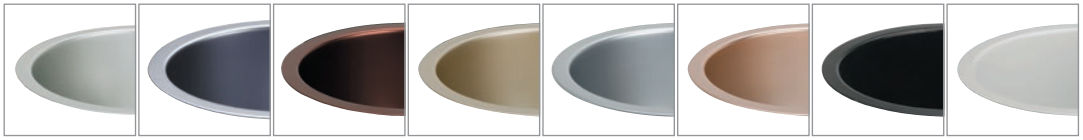
Ordering Information

Example: ESA-C10-ND-S-28-D-U-BK-SSGC-525-27K

FAMILY	PRODUCT	OPTIC	MOUNTING	LED COUNT	SERIES	VOLTAGE	COLOR	REFLECTOR FINISH	DRIVE CURRENT	OPTIONS
ESA	**C10** 10" Cylinder	**ND** Narrow **NS** Narrow Spot **MD** Medium **WD** Wide	**S** Surface **P** Pendant **SW** Wall Bracket **HP** Hangstraight Pendant **AC1** 5' Aircraft Cable **AC2** 10' Aircraft Cable **AC3** 15' Aircraft Cable	**28** **42** **56**	**D**	**U** 120V to 277V	**BK** Black **BZ** Bronze **CS** Carmaro Silver **WH** White	**SSGC** Clear **SSGGR** Graphite **SSGBR** Bronze **SSGCG** Champagne Gold **SSGPE** Pewter **SSGWH** Wheat **SSGB** Black **W** White	**525** 525mA	**27K** 2700K **30K** 3000K **40K** 4000K **DH** Hi-Lume Dimming (28 and 42 LEDs only) **FS** Fusing **LM** Lens Media

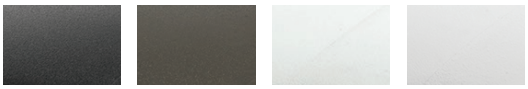
*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Reflector Options



SSGC Clear | **SSGGR** Graphite | **SSGBR** Bronze | **SSGCG** Champagne Gold | **SSGPE** Pewter | **SSGWH** Wheat | **SSGB** Black | **W** White

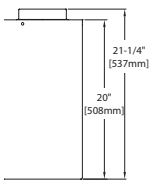
Finish Colors



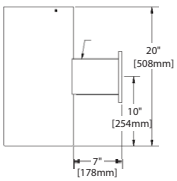
BLACK | **BRONZE** | **CARMARO SILVER** | **WHITE**

Mounting Options

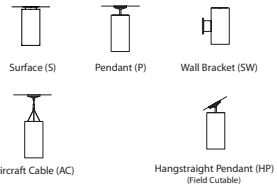
SURFACE MOUNT



WALL BRACKET



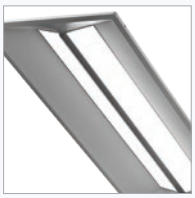
MOUNTING



You May Also Be Interested In:

ESA SERIES DOWNLIGHTS
Architectural Downlighting Solutions

CS SERIES LINEAR
Commercial Linear Solutions



CR SERIES TROFFERS
High-Efficiency, Affordable Troffers

Essentia® by Cree Downlights

BETTER DOWNLIGHTING. HANDS DOWN.

Essentia® by Cree downlights are engineered to provide outstanding value and performance. The comprehensive portfolio includes 4", 6" and 8" round downlights, adjustable downlights and wall wash downlights. Available in a variety of lumen packages and color temperatures, each downlight is rated for a 50,000 hour L70 life and features a premium semi-specular reflector finish with a range of color trim options.

BENEFITS

- Designed to complement other Cree products
- Downlights and adjustables are available in narrow, medium, and wide optics for further application versatility
- 50,000 hour rated L70 life

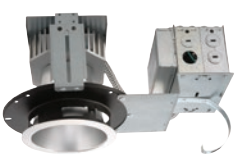
FEATURES

- 4", 6" and 8" round, wall wash and adjustable downlights
- Input Power: 11-84 watts
- CCT: 2700K, 3000K, 3500K, and 4000K
- CRI: 90
- Controls: 0/1-10V dimming down to 1% and Triac dimming down to 10%
- Beam Angles: Narrow, Medium and Wide

APPLICATIONS

- Commercial office, retail, education

Round



Wall Wash

Adjustable

Essentia® by Cree Downlights

Housing (Trim must be ordered separately)

Housing: S-DL6-11L-27K + **Trim:** S-DL6T-N-SSC

PRODUCT	SIZE	INITIAL DELIVERED LUMENS*	CCT	VOLTAGE	CONTROLS
S-DL Essentia® by Cree Downlight	**4** 4" **6** 6" **8** 8"	**11L** Up to 1,030 Delivered Lumens **15L** Up to 1,210 Delivered Lumens **24L** Up to 1,920 Delivered Lumens **34L** Up to 2,880 Delivered Lumens **42L** Up to 3,560 Delivered Lumens **50L** Up to 4,180 Delivered Lumens **63L** Up to 5,120 Delivered Lumens **75L** Up to 6,300 Delivered Lumens **84L** Up to 6,790 Delivered Lumens	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K	**Blank** Universal 120-277 Volt	**Blank** 0/1-10V and Triac Dimming

Trim (Housing must be ordered separately)

PRODUCT	TYPE	BEAM	FINISH	REFLECTOR COLOR	FLANGE COLOR
S-DL4T **S-DL6T** **S-DL8T**	**Blank** Round **A** Adjustable **WW** Wall Wash	**N** Narrow **M** Medium **W** Wide	**SS** Semi-Specular **P** Painted (For White Color)	**C** Clear **CG** Champagne Gold **W**** White **B** Black **BR** Bronze **PE** Pewter **WH** Wheat	**Blank** Matching Flange **WF***** White Flange

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Reflector Options

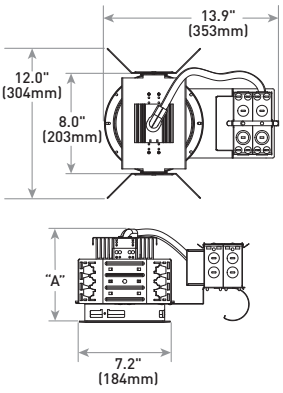
C Clear **BR** Bronze **CG** Champagne Gold **PE** Pewter **WH** Wheat **B** Black **W*** White *Painted finish only

Finish Colors

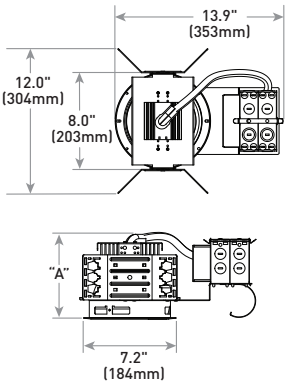
SEMI-SPECULAR

Dimensions

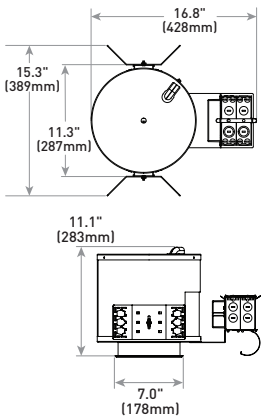
6" ROUND



6" WALL WASH



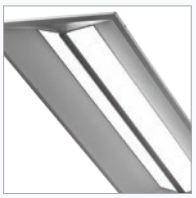
6" ADJUSTABLE



You May Also Be Interested In:

ESA SERIES DOWNLIGHTS
Architectural Downlighting Solutions

CS SERIES LINEAR
Commercial Linear Solutions



CR SERIES TROFFERS
High-Efficiency, Affordable Troffers

LED RETROFIT DOWNLIGHTS

Cree® downlights blend beauty and performance with the same superior light quality as traditional fixtures but at a fraction of the energy used. With a wide variety of configurations, Cree downlights are ideal for all recessed lighting applications — from new construction to retrofit and commercial to residential settings.

DR Series (DR4™ / DR6™)

p. 36

- Minimum 90 CRI
- CCT: 2700K or 5000K
- 575 or 625 lumens
- Utilizes Cree TrueWhite® Technology
- 4" and 6" sizes
- Dimmable to 5%

LR Series

p. 38

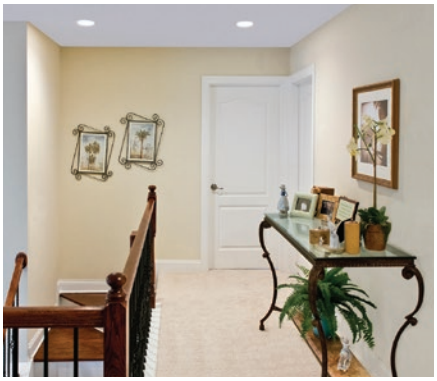
- Minimum 90 CRI
- CCT: 2700K, 3500K or 4000K
- 650, 1050 or 1800 lumens
- Utilizes Cree TrueWhite® Technology
- Deep recess options
- Dimmable to 5%

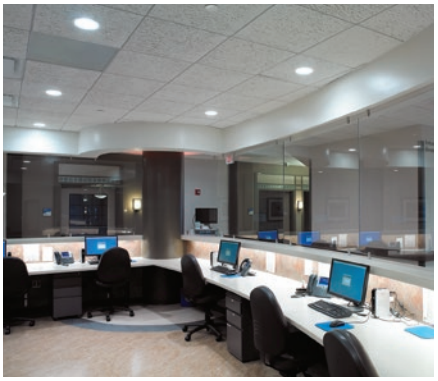
CR Series (CR4™ / CR6™)

p. 40

- Minimum 90 CRI
- CCT: 2700K, 3000K, 3500K or 4000K
- 575, 625 or 800 lumens
- Utilizes Cree TrueWhite® Technology
- 4" and 6" sizes
- Dimmable to 5%

DR Series Downlights - DR4™ / DR6™





A REMARKABLE COMBINATION OF PRICE AND PERFORMANCE.

Built with Cree TrueWhite® Technology, the DR4™ and DR6™ retrofit downlights consume up to 81% less energy than traditional incandescent and halogen sources while achieving better color quality with a CRI of 90+. Dimmable to 5% with widely available traditional dimmers and ENERGY STAR® qualified, this product is ideal for use in both residential and light-commercial new construction and retrofit applications.

BENEFITS

- Instant on to full brightness and dimmable to 5%
- Exceptional light quality
- Easy installation
- Greater than 80% instant energy savings when replacing traditional incandescent sources.

FEATURES

- 575 or 625 lumens
- CCT: 2700K or 5000K
- Utilizes Cree TrueWhite® Technology
- Designed to last 35,000 hours
- 5 year limited warranty

APPLICATIONS

- New construction or upgrade for residential and commercial lighting

DR6™

DR4™

DR Series Downlights - DR4™ / DR6™

Ordering Information

Example: LR6C-DR-1000-277V

ORDERING NUMBER	UNIT UPC (MOQ* = 4 UNITS)	MASTER CARTON UPC	DOWNLIGHTS PER MASTER CARTON*	PALLET QTY	CRI	LUMENS	RATED LIFE (HRS)
DRDL4-05727009-12DE26-1C100	810048029969	10810048029966	4	120	90+	575	35,000

*Ordering information is for reference only.

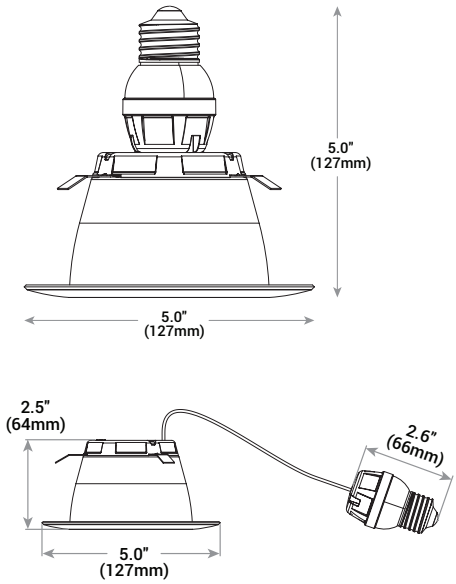
Ordering Information

Example: DRDL6-06227009-12DE26-1C100

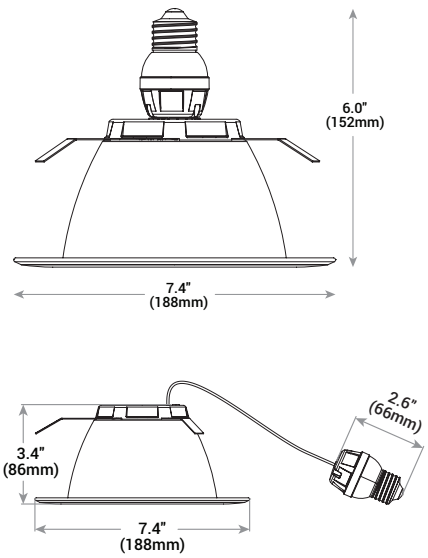
ORDERING NUMBER	UNIT UPC (MOQ* = 4 UNITS)	MASTER CARTON UPC	DOWNLIGHTS PER MASTER CARTON*	PALLET QTY	CRI	LUMENS	RATED LIFE (HRS)
DRDL6-06227009-12DE26-1C100	810048029952	10810048029959	4	50	90+	625	35,000

Dimensions

DR4™



DR6™



Accessory Information

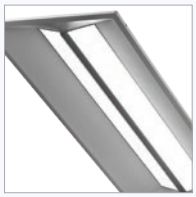
HOUSING - EDISON BASE

New Construction	Retrofit	CFL Pan Conversion Kit
RC4	RC4	C6
RC6	RR6	

You May Also Be Interested In:

CR SERIES DOWNLIGHTS
Commercial-Grade Downlight Upgrade Solutions

LR SERIES DOWNLIGHTS
Commercial-Grade Downlight Upgrade Solutions



CR SERIES TROFFERS
High-Efficiency, Affordable Troffers

LR Series Downlights

UPGRADE YOUR SPACE WITH INDUSTRY-LEADING EFFICACY AND EXCEPTIONAL LIGHT QUALITY, BUILT UPON A PROVEN LED LIGHTING PLATFORM.

The LR6™ downlight delivers up to 1800 lumens of exceptional 90+ CRI light while achieving efficacy of 100 lumens per watt. This breakthrough performance is achieved by combining the high efficacy and high-quality light of Cree TrueWhite® Technology, allowing incandescent light to be replaced using 89% less energy. Available in a warm or neutral color temperature with a variety of snap-in reflector options, the LR6™ fixture is designed to easily retrofit into new or existing 6" housings, for commercial or residential use.

BENEFITS

- Up to 89 percent more efficient than incandescent
- Reduced maintenance cycles
- High color quality
- Fits in existing 6" housings

FEATURES

- Efficacy up to 100 LPW
- Utilizes Cree TrueWhite® Technology
- Standard 10-year limited warranty
- 50,000-hour rated life
- Standard 5% dimming
- Dimmable with 120V and 277V input power

APPLICATIONS

- Airports, municipal, school & university, corporate campus, restaurant & hospitality, retail & grocery, government

LR6™

LR Series Downlights

Ordering Information

Example: LR6-7L-27K-GU24-E26

SERIES	INITIAL DELIVERED LUMENS*	CCT	VOLTAGE	BASE TYPE
LR6 6"	**7L** - 7.5W, 650 lumens - 87 LPW **10L** - 10.5W, 1,050 lumens - 100 LPW **18L** - 22W, 1,800 lumens - 82 LPW	**27K** - 2700K **35K** - 3500K **40K** - 4000K	**Blank** 120 Volts **277V** 277 Volts	**Blank** - 277V Connector - Must be used with Cree six-inch 277V housings (see Housings table above) **GU24** - GU24 base - Available only with LR6-10L and LR6-18L **GU24-E26** - GU24 base w/Edison adaptor - Available only with the LR6-7L

* Actual lumens vary based on color temperature ** LR6 must be ordered in Master Carton quantities of 5

Accessory Information

TRIMS

Trim Kits are available in six standard color options.

LT6A-DR
Diffuse anodized reflector w/white flange

LT6AW-DR
Wheat diffuse anodized reflector w/white flange

LT6AP-DR
Pewter diffuse anodized reflector w/white flange

LT6AB-DR
Black anodized reflector w/white flange

LT6WH-DR
Smooth white painted reflector/flange

LT6BB-DR
Flat black reflector/flange

6" HOUSINGS

The LR6™ downlights fit into a variety of housings from Cree and other manufacturers.

H6 SERIES
Specification-Grade Housing

RC6 SERIES
Commercial-Grade Housing

RR6 SERIES
Retrofit Housing

6" MOUNTING KITS

The LR6™ downlights fit into a variety of mounting kits for ceiling, pendant or wall mounting.

SC6
Ceiling Mounts

SC6-WM
Wall Mounts

SC6-CM
Cord Mounts

6" COMMERCIAL RETROFIT KITS

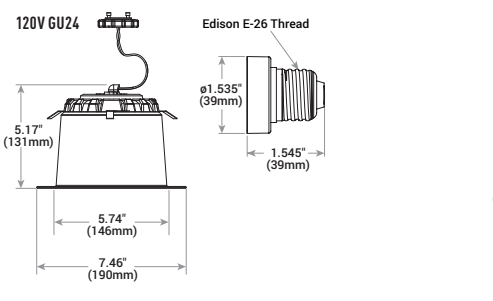
A field-installable kit to transform the existing commercial-grade downlights into housings ready to accept the LR6™ downlights.

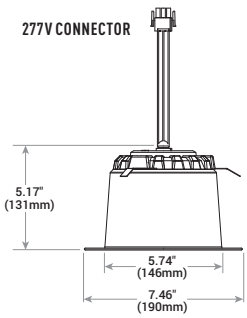
C6
Commercial 120V, Edison Base, "Pan" Adaptor Kit

C6-LSA
Commercial 120V or 277V, Hard-Wire, "Pan" Adaptor Kit

Dimensions

LR6™ DOWNLIGHTS

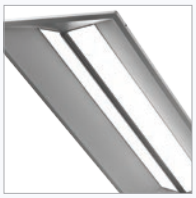




You May Also Be Interested In:

CR SERIES DOWNLIGHTS
Commercial-Grade Downlight Upgrade Solutions

CS SERIES LINEAR
Commercial Linear Solutions



CR SERIES TROFFERS
High-Efficiency, Affordable Troffers

CR Series Downlights - CR4™ / CR6™

CR6™

CR4™

HIGHER EFFICACY AND LONGER LIFE THAN COMPACT FLUORESCENT LAMPS, WITH THE BEAUTIFUL LIGHT QUALITY THAT YOU EXPECT FROM AN INCANDESCENT.

The CR Series LED downlight delivers up to 800 lumens of exceptional 90+ CRI light while achieving up to 67 lumens per watt. This breakthrough performance is achieved by combining the high efficacy and high-quality light of Cree TrueWhite® Technology. The CR Series downlights are available in a variety of color temperatures and have several trim options. They easily install into most standard four- and six-inch recessed IC or non-IC housings, making the CR Series perfect for use in residential and light commercial, new construction or retrofit applications.

BENEFITS

- Up to 85 percent more efficient than incandescent
- Reduced maintenance cycles
- High color quality
- Fits in existing 6" or 4" housings
- Commercial and residential ENERGY STAR® qualified

FEATURES

- Efficacy up to 67 LPW
- Utilizes Cree TrueWhite® Technology
- Standard 5-year limited warranty
- 50,000-hour rated life
- Standard 5% dimming

APPLICATIONS

- Healthcare, municipal, residential, restaurant & hospitality, auto dealership

CR Series Downlights - CR4™ / CR6™

Ordering Information

Example: CR6-800L-27K-120V-E26

SERIES	SIZE	LUMENS	CCT	VOLTAGE/BASE	BASE TYPE	OPTIONS
CR	**4** = 4 inch **6** = 6 inch	**575L** = 575 Lumens **625L** = 625 Lumens **800L** = 800 Lumens	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K	**120V** - 120 Volts	**E26** - Edison Base **GU24** - GU24 Base (Title 24 Compliant)	**D** - Specular Reflector

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Accessory Information

SNAP-IN TRIMS

Snap-in Trim Kits are available in four standard color options.

CT6A
Silver
Diffuse Finish
Reflector

CT6AW
Wheat
Diffuse Finish
Reflector

CT6AB
Black
Diffuse Finish
Reflector

CT6BB
Flat Black
Reflector
and Trim

6" HOUSINGS

The CR6™ downlights fit into a variety of housings from Cree and other manufacturers.

H6 SERIES
Specification-Grade
Housing

RC6 SERIES
Commercial-Grade
Housing

RR6 SERIES
Retrofit Housing

6" MOUNTING KITS

The CR6™ downlights fit into a variety of mounting kits for ceiling, pendant or wall mounting.

SC6
Ceiling Mounts

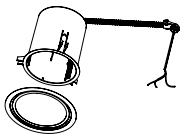
SC6-WM
Wall Mounts

SC6-CM
Cord Mounts

6" COMMERCIAL RETROFIT KITS

A field-installable kit to transform the existing commercial-grade downlights into housings ready to accept the CR6™ downlights.

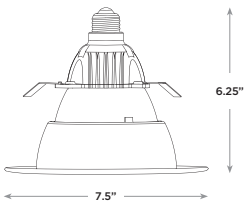
C6
Commercial 120V, Edison Base, "Pan" Adaptor Kit



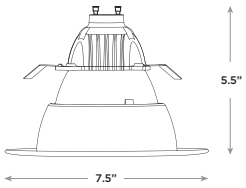
C6-LSA
Commercial 120V or 277V, Hard-Wire, "Pan" Adaptor Kit

Dimensions

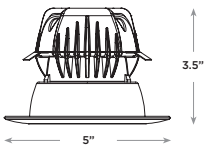
CR6™



CR6-GU24



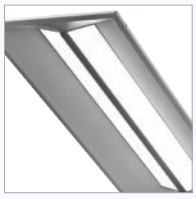
CR4™



You May Also Be Interested In:

DR SERIES DOWNLIGHTS
Commercial-Grade Downlight Upgrade Solutions

LR SERIES DOWNLIGHTS
Commercial-Grade Downlight Upgrade Solutions



CR SERIES TROFFERS
High-Efficiency, Affordable Troffers

LED TROFFERS

Cree® architectural and commercial specification-grade troffers demonstrate technical ingenuity at its finest, delivering a superior mix of performance and payback, proving that energy-efficient, high-quality lighting doesn't have to come at a premium. And with unmatched longevity and color consistency, all backed by an industry-best luminaire limited warranty, they deliver a true no-compromise solution.

LR Series Troffers

p.44

- 90 CRI
- CCT: 3500K and 4000K
- 3400 lumens
- Utilizes Cree TrueWhite® Technology
- 0-10V dimming to 5%

ZR Series Troffers

p.46

- High efficacy of 90 - 130 LPW
- 90 CRI
- CCT: 3500K, 4000K or 5000K*
- 3200 to 5000 lumen options
- Utilizes Cree TrueWhite® Technology or available in 80+ CRI
- 0-10V dimming to 5% standard, SmartCast® Technology optional

CR Series Troffers

p.48

- Minimum 80-90 CRI
- CCT: 3000K, 3500K, 4000K, 5000K or adjustable CCT with Cree SmartCast® Technology
- 2000 to 5000 lumen options
- Utilizes Cree TrueWhite® Technology or 80+ CRI
- Step level to 50%, 0-10V dimming to 5%, Lutron EcoSystem® Enabled to 5% or Cree SmartCast® Technology dimming to 5%

ESSENTIA® by CREE

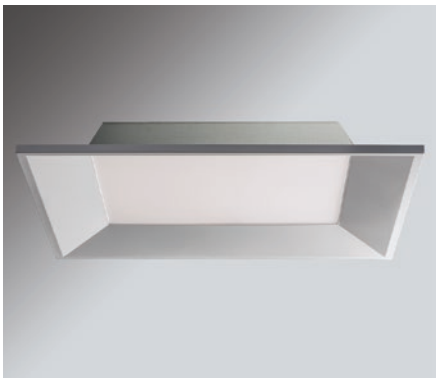
Essentia® by Cree Flat Panel

p.50

- 90 CRI
- CCT: 3500K, 4000K or 5000K
- 3400, 4000 and 5000 lumen options
- 100 LPW
- 0-10V dimming to 10%

*Only available on 50L types

LR Series Troffers



LR22™

A TROFFER DESIGN SO QUIET YOUR CEILINGS WILL WHISPER ABOUT IT FOR DECADES.

The architecturally designed recessed flat panel of the LR22™ LED troffer blends seamlessly into any ceiling and offers soft, smooth, fully-luminous light, creating a quiet ceiling that keeps spaces bright and vibrant. The innovatively thin 3.6" depth easily accommodates narrow plenums and is ideal for both retrofit and new construction. The LR22 LED troffer delivers 3400 lumens of exceptional 90 CRI light while achieving an efficacious 100 lumens per watt. This breakthrough performance is achieved by combining the high efficacy and high-quality light of Cree TrueWhite® Technology. Delivering 0-10V continuous dimming on every luminaire allows for further energy savings when utilized for even faster payback.

BENEFITS

- Beautifully soft, balanced light without the glare
- Up to 40% energy cost savings
- Payback in less than 2.5 years
- Eliminates up to 6 maintenance cycles
- DLC qualified

FEATURES

- Utilizes Cree TrueWhite® Technology
- Ultra-thin 3.6" form factor
- 100 LPW
- 10-year limited warranty
- Continuous dimming to 5% with 0-10V controls
- Designed to last for 75,000 hours L70 @ 25°C
- Recessed mounting

APPLICATIONS

- Airport, corporate campus, healthcare, municipal, restaurant, retail & grocery, school & university, government

LR Series Troffers

Ordering Information

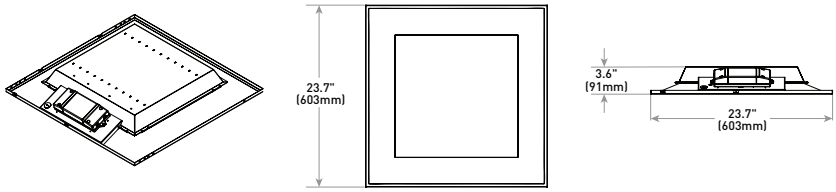
Example: LR22-34L-40K-10V

PRODUCT	LUMEN OUTPUT	CCT	EFFICACY	CONTROL	OPTIONS
LR22 2'x2' Lay-in	**34L** 34W 3400 lumens – 100 LPW	**35K** 3500K **40K** 4000K	**Blank** 120-277 Volt	**10V** 0-10V Dimming to 5%	**EB14** Emergency Backup - 1,400 lumens - Available on U.S. versions only - Provides 90 minutes of emergency operation

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

LR22™ TROFFER



You May Also Be Interested In:

CR SERIES TROFFERS
High-Efficiency, Affordable Troffers

CS SERIES LINEAR
Commercial Linear Solutions

KR SERIES DOWNLIGHTS
Effective, Efficient LED Retrofit Downlights

ZR Series Troffers

ZR24™

ZR14™

ZR22™

EXCEPTIONAL ENERGY PERFORMANCE AT AN UNEXPECTED PRICE.

The Cree ZR Series LED troffer delivers a broad portfolio of class-leading efficiency and better light performance in an inspired, ultra-slim, sleek package – all at a remarkably affordable price. The ZR Series puts an end to energy sapping, poor quality troffer illumination with up to 130 lumens per watt, gloss or matte finish, dimming to 5%, and twice the warranty of the nearest competitors.

BENEFITS

- Up to 130 LPW for maximum energy savings – up to 60% less than similar fluorescent solutions
- Available in gloss or matte finish for an array of versatile design and aesthetic options
- Remarkably priced for a typical payback of less than two years
- Twice the warranty of the nearest competition
- Choose between 80+ and 90 CRI to enhance the look of any space
- Ultra-thin 3.9 height and lightweight design
- Cree SmartCast® Technology or continuous 0-10V

FEATURES

- CRI: ZR FD Series – 80+ CRI, ZR Series – 90 CRI
- Efficacy: 90 - 130 LPW
- Delivered Light Output: 3,200, 4000 or 5,000* lumens
- CCT: 3500K, 4000K
- Input Power: 25 to 45 watts
- Input Voltage: 120-277 or 347 VAC** (**Only available on ZR Series 90 CRI product)
- 0-10V dimming to 5% or available with Cree SmartCast® Technology
- Available with Cree TrueWhite® Technology
- Mounting: Recessed

*50L in 80+ CRI only

APPLICATIONS

- Use in new construction or retrofit applications
- Environments where specification grade requirements meet limited budgets
- Ideal for healthcare, education, office and pharmaceutical applications

ZR Series Troffers

Ordering Information

Example: ZR22-32L-35K-10V

PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL	OPTIONS
ZR14 1x4 Lay-in	**40L** 44W 4000 Lumens - 90 CRI, 90 LPW	**35K** 3500K **40K** 4000K	**Blank** 120-277 Volt **34** 347 Volt	**10V** 0-10V dimming to 5% **CMA** Integral motion and ambient sensors and wireless communication	**EB14**** Emergency Backup - 1400 lumen - Available on US versions only **FD***** - Must order when 50L is selected - 80 CRI
ZR22 2x2 Lay-in	**32L** 35W 3200 Lumens - 90 CRI, 90 LPW	**35K** 3500K **40K** 4000K			
ZR24 2x4 Lay-in	**40L** 44W 4000 Lumens - 90 CRI, 90 LPW **50L**** 45W 5000 Lumens - 80+ CRI, 111 LPW	**35K** 3500K **40K** 4000K **50K** 5000K			

Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.
**SmartCast not available in 50L
***Only in 50L Types

Ordering Information for FD Series

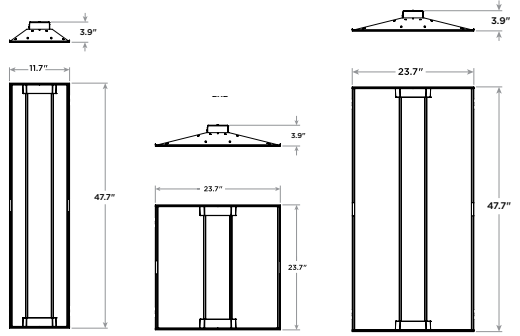
Example: ZR22M-32L-35K-10V-FD

PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL	CRI	OPTIONS
ZR14M 1x4 Lay-in **ZR22M** 2x2 Lay-in **ZR24M** 2x4 Lay-in	**32L** 25W 3250 Lumens - 80+ CRI, 130 LPW **40L** 30W 4000 Lumens - 80+ CRI, 130 LPW	**35K** 3500K **40K** 4000K	**Blank** 120-277 Volt	**10V** 0-10V dimming to 5%	**FD** 80+ CRI	**EB14**** Emergency Backup - 1,400 lumens - Available on US versions only - Provides 90 minutes of emergency operation

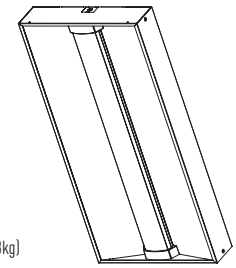
Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

ZR14™ ZR22™ ZR24™



SMK-ZR24	SMK-ZR14	SMK-ZR22
L 48.0" (1219mm) x W 24.2" (615mm) x H 5.5" (140mm)	L 48.0" (1219mm) x W 12.2" (310mm) x H 5.5" (140mm)	L 24.0" (610mm) x W 24.2" (615mm) x H 5.5" (140mm)



Weight: Max. 15 lbs. (6.8kg)

Accessory Information

DRYWALL GRID ADAPTOR	SURFACE MOUNT KIT	6' FLEXIBLE POWER WHIP
DGA14-WHT **DGA22-WHT** **DGA24-WHT**	**SMK ZR24** - ZR24™ LED Troffer Compatible **SMK ZR14** - ZR14™ LED Troffer Compatible **SMK ZR22** - ZR22™ LED Troffer Compatible	**PW-18/4-06-9T-SS**

SMARTCAST® TECHNOLOGY ACCESSORIES

Cree SmartCast® Technology Configuration Tool*	**CCT-CWC-1** - One required per project when CMA control is selected
Cree SmartCast® Technology Face Plates**	**CFP-1-WH** - Matching Cree face plate, 1-gang, white **CFP-2-WH** - Matching Cree face plate, 2-gang, white **CFP-3-WH** - Matching Cree face plate, 3-gang, white
Cree SmartCast® Technology Wireless Dimmer**	**CWD-CWC-WH**
Cree SmartCast® Technology Wireless Switch**	**CWS-CWC-WH**

*Refer to the Configuration Tool spec sheet for more details
** Refer to the Wireless Dimmer SmartCast Control spec sheet for more details

CREE SMARTCAST® TECHNOLOGY CREE TRUEWHITE TECHNOLOGY

You May Also Be Interested In:

CR SERIES DOWNLIGHTS
Commercial-Grade Downlight Upgrade Solutions

LS SERIES
Commercial-Grade Linear Solutions

LR SERIES DOWNLIGHTS
Effective, Efficient LED Retrofit Downlights

CR Series Troffers

CR24™

CR14™

CR22™

SUPERIOR LIGHT, BETTER BY DESIGN.

Engineered to deliver unrivaled performance and efficiency, the CR Series LED architectural troffer delivers up to 5000 lumens of 90+ CRI light while achieving up to 130 lumens per watt. Ideal for LED architectural lighting applications, these troffers are available in a variety of color temperatures. And with SmartCast® Technology, Cree's intelligent light solution, the CR Series provides a combination of extreme energy productivity and a more personalized light experience that's so intuitive and simple, it just works.

BENEFITS

- Soft, beautiful light with remarkable color consistency
- Seamless form and function for sleek architectural look
- With SmartCast® Technology, provides a code-compliant solution delivering exceptional energy efficiency
- Cree SmartCast® Technology offers field-adjustable color temperatures for better control over spaces and simpler specification, ordering and installation
- SmartCast with PoE offers advanced energy management functionality, richer BMS integration and connection to the IoT

FEATURES

- Available with Cree SmartCast® Technology
- CRI: 90 (Cree TrueWhite® Technology), 80+ CRI
- Efficacy: Up to 130 LPW
- Delivered Light Output: 2000 to 5000 lumens
- CCT: 3000K, 3500K, 4000K, 5000K
- Input Power: 22 - 50 watts
- Input Voltage: 120-277 VAC or 347 VAC
- Cree SmartCast® Technology, step level dimming to 50%, 0-10V dimming or Lutron EcoSystem® Enabled to 5%

APPLICATIONS

- Airport, corporate campus, healthcare, municipal, restaurant & hospitality, retail & grocery, school & university, government

CR Series Troffers

Ordering Information

Example: CR22-20L-30K-S-EB14

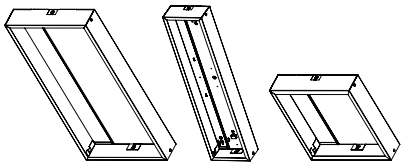
PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL	OPTIONS
CR24 2x4 Lay-in **CR14** 1x4 Lay-in **CR22** 2x2 Lay-in	**20L** 22W 2000 Lumens - 90 LPW **22L** 22W 2200 Lumens - 100 LPW - Only available in 35K or 40K **31L** 34W 3100 Lumens - 90 LPW **32L** 32W 3200 Lumens - 100 LPW **40L** 40W 4000 Lumens - 100 LPW **40L HE** 30.5W 4000 Lumens - 130 LPW (30K) 32W 4000 Lumens - 125 LPW (35K) 33W 4000 Lumens - 120 LPW (40K) 34.5W 4000 Lumens - 115 LPW (50K) **50L** 50W 5000 Lumens - 100 LPW	**30K** 3000K **35K** 3500K **40K** 4000K **50K** 5000K	**Blank** 120-277V (Standard) **34** 347V (Optional) Integrated option available on 32L only. Other types require addition of a 347 accessory kit (see table above)	**S** Step dimming to 50% **10V** 0-10V dimming to 5% **LES** Lutron EcoSystem® Enabled to 5% **CMA** Cree SmartCast® Technology - Integral motion and ambient sensors and wireless communication	**HD** HD CRI 80+ (44W 4000 lumens – 90 LPW) - Available only with 40L **EB14** Emergency Backup - 1400 lumens - Not for use with SMK Kits - Use EB14 SMK **EB14SMK** Emergency Backup with surface mount kit - 1400 lumens - Includes surface mount kit accessory (SMK-CR14) **SmartCast®** EB10W Emergency Battery Backup - 40L-ACK: 1,000 lumens - 40LHE-30K: 1,300 lumens - 40LHE-35K: 1,250 lumens - 40LHE-40K: 1,200 lumens - 40LHE-50K: 1,150 lumens

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Accessory Information

SURFACE MOUNT KITS

For installing CR Series troffers onto hard ceiling, where above-ceiling installation isn't possible. SMK kits come in a standard white color.

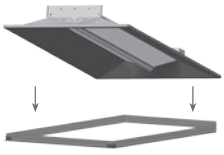


SMK-CR24 SMK-CR14 SMK-CR22

NOTE: Included in EB14SMK option.

DRYWALL GRID ADAPTORS

For installing CR Series troffers into drywall applications. DGA Kits come in a standard white color.



DGA-24

347V CONVERSION KIT

The 347V Conversion Kit allows a CR Series troffer or CR Series light engine to be converted to work with 347V installations.

CR-347V
(347 Volt)

CR-347V-SD
(Step Dimming to 50%)

EXPANDED SIZE JUNCTION BOX

EJBCR 5PK
Expanded size junction box for through wiring (5 pack)

ADJUSTABLE CABLE

AC5 72 PD8 JB
AC5 18/4 72 PD8 JB

CHICAGO PLENUM FIELD KITS

A field-installable kit to transform the CR Series troffers to be compliant with Chicago Plenum requirements.

Chicago Plenum Field Kit
CPLCR

Chicago Plenum Field Kit-Emergency
CPLCR EM

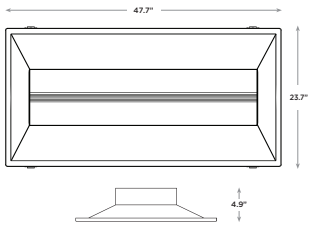
OTHER ACCESSORIES

Power Whip
PW 18/4 06 9T/SS CR

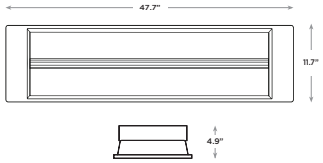
Adjustable Cable
AC5 72 PD8 JB
AC5 18/4 72 PD8 JB

Dimensions

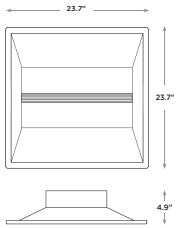
CR24™



CR14™



CR22™



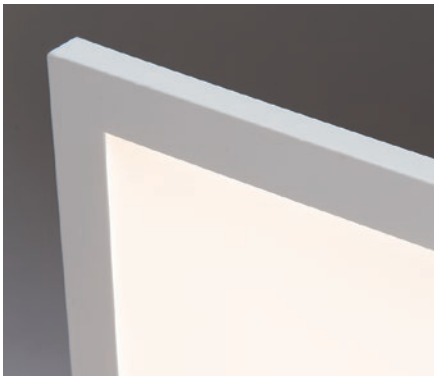
You May Also Be Interested In:

LS SERIES
Commercial-Grade Linear Solutions

CS SERIES LINEAR
Commercial Linear Solutions

KR SERIES DOWNLIGHTS
Effective, Efficient LED Retrofit Downlights

Essentia® by Cree Flat Panel



2x4 Flat Panel

2x2 Flat Panel

1x4 Flat Panel

FLAT-OUT BETTER DESIGN FOR FLAT-OUT BETTER LIGHT.

The Essentia® by Cree Flat Panel product family provides lighting customers with quality LED flat panel solutions for use in recessed and suspended commercial applications – all backed by the power of Cree. The fully-luminous, ultra-thin flat panel with an optically-efficient, edge-lit design transforms any space with soft, low-glare illumination while providing exceptional application flexibility and performance value.

BENEFITS

- Ultra-thin, edge-lit design — less than 2.8" maximum height
- Installs into any plenum for simpler retrofit or new installation
- Fully luminous panel for even, dimmable light with low glare
- Optical waveguide provides quiet, efficient light without color shifts or dark spots along panel edges
- Stylish finish and narrow panel border for a contemporary look

FEATURES

- CRI: 90
- Efficacy: 100 LPW
- Delivered Light Output: 3400 to 5000 lumens
- CCT: 3500K, 4000K or 5000K
- 0-10V dimming to 10%
- Input Voltage: 120-277 VAC

APPLICATIONS

- Airport, corporate campus, healthcare, municipal, restaurant, retail & grocery, school & university, government, automotive

Essentia® by Cree Flat Panel

Ordering Information

Example: FP24-40L-35K-10V

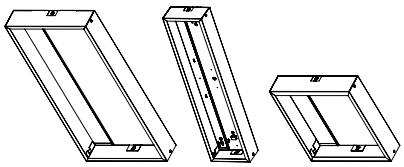
PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL	OPTIONS
FP24 Essentia® by Cree 2' x 4' Flat Panel **FP14** Essentia® by Cree 1' x 4' Flat Panel **FP22** Essentia® by Cree 2' x 2' Flat Panel	**34L** 34W 3400 Lumens - 100 LPW **40L** 40W 4000 Lumens - 100 LPW **50L** 50W 5000 Lumens - 100 LPW	**35K** 3500K **40K** 4000K **50K** 5000K	**Blank** 120-277V (Standard)	**10V** 0-10V dimming to 5%	**EB14** Emergency Backup - 1400 Lumens

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Accessory Information

SURFACE MOUNT KITS

For installing troffers onto hard ceiling, where above-ceiling installation isn't possible. SMK kits come in a standard white color.



SMK-CR24 SMK-CR14 SMK-CR22

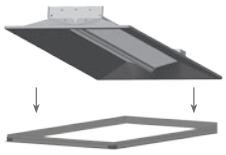
NOTE: Included in EB14SMK option.

SUSPENSION KIT

FPAC-45-1
Suspension Kit with canopy kit and cables

DRYWALL GRID ADAPTORS

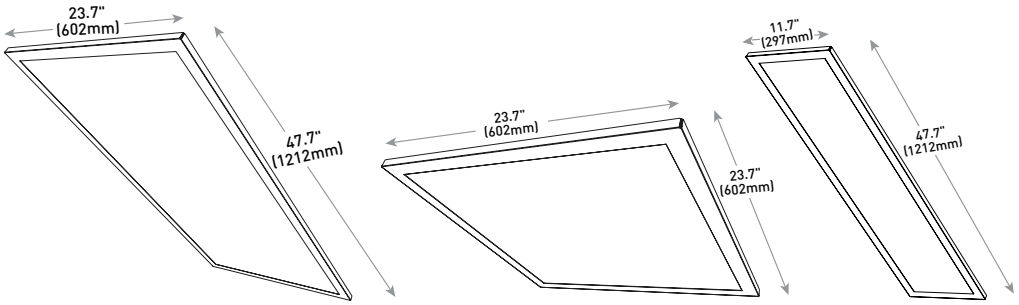
For installing troffers into drywall applications. DGA Kits come in a standard white color.



DGA-24

Dimensions

FP24 FP22 FP14



You May Also Be Interested In:

CR SERIES TROFFERS
High-Efficiency, Affordable Troffers

CS SERIES LINEAR
Commercial Linear Solutions

KR SERIES DOWNLIGHTS
Effective, Efficient LED Retrofit Downlights

LED UPGRADE SOLUTIONS

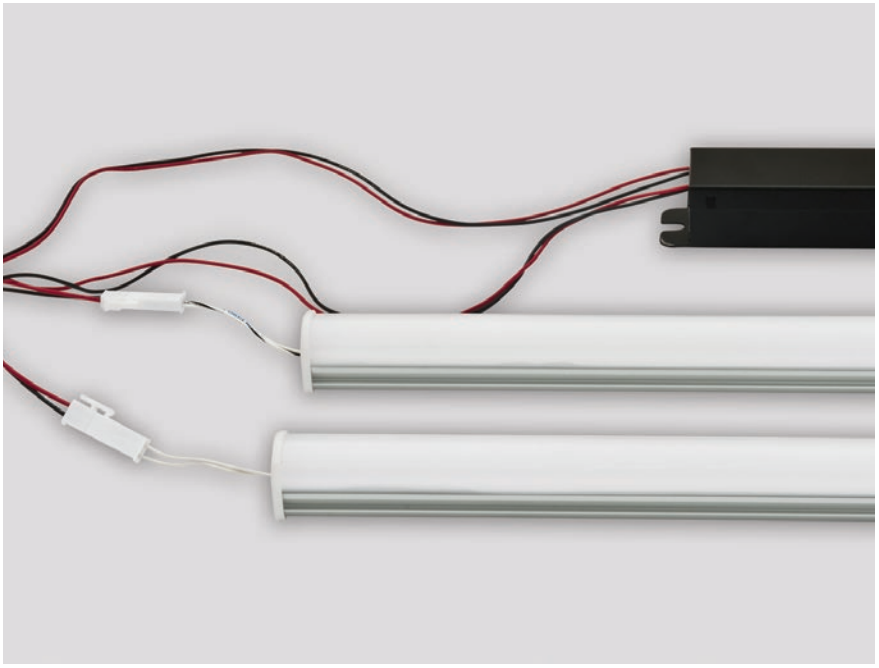
Cree® LED upgrade solutions give customers the ability to maintain the existing aesthetic of a fluorescent fixture, but take advantage of the greater energy efficiency and long lifespan of LED lights. The unique design features found in Cree® products facilitate a rapid and safe retrofit, allowing for an immediate payback.

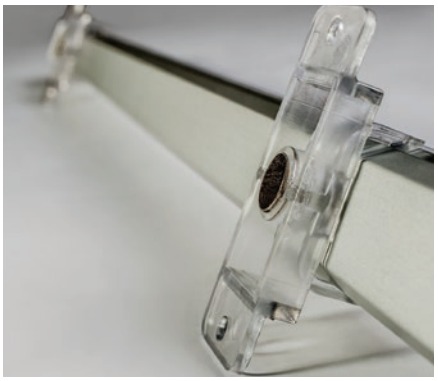
UR Series LED Upgrade Kit

p.54

- 80 CRI
- CCT: 3500K or 4000K
- 3600 lumens for 2' lightbar kit
- 4500 lumens for 4' lightbar kit
- Step level to 50% or 0-10V dimming to 5%
- Available in 2 or 3 lamp options
- Up to 102 LPW

UR Series LED Retrofit Kit





UR2-48™

UR2-24™

A BREAKTHROUGH IN DESIGN FOR IMPRESSIVELY FAST RETROFITTING.

The UR Series LED Upgrade Kit delivers from 3600 to 4500 lumens of 80 CRI light while achieving up to 102 lumens per watt. The kit is available in 2' or 4' lengths equipped with an LED driver, 2 or 3 lightbars and specially designed mounting hardware to expedite installation. The UR Series works with nearly all industry-standard 2' and 4' fixtures in various optical configurations: prismatic, parabolic, volumetric, surface wrap, etc. The energy-efficient UR Series delivers 50,000 hours of lighting for worry-free maintenance.

BENEFITS

- Non-disruptive, easy-installation
- Broad range of applications
- Significant energy savings
- Years of near-maintenance free service
- UL 1598C (retrofit) certified

FEATURES

- 80 CRI
- Efficacy up to 102 LPW at source level
- Step level to 50% or 0-10V dimming to 5%
- 7 year limited warranty
- 50,000-hour rated life
- Emergency backup options

APPLICATIONS

- Airport, corporate campus, healthcare, municipal, restaurant & hospitality, retail & grocery, school & university, government

UR Series LED Retrofit Kit

Ordering Information - Lightbar (Driver must be ordered separately)

Example: UR-24-35K-FD-LB-2

SERIES	LENGTH	COLOR TEMP.	OPTIONS	LIGHTBAR	NUMBER OF LIGHTBARS
UR	**24"** **48"**	**35K** 3500K **40K** 4000K	**FD** 80 CRI	**LB** Lightbar	**2** 2 Lightbar Kit **3** 3 Lightbar Kit **6** 6 Lightbar Bulk Pack

Ordering Information - Driver (Lightbar must be ordered separately)

Example: UR2-24-36L-10V-FD-DR

PRODUCT	LENGTH	LUMEN OUTPUT	VOLTAGE	CONTROL	OPTIONS	DRIVER
UR2 2 Lightbar **UR3** 3 Lightbar	**24"** **48"**	**36L** 36W, 3600 lumens - 100 LPW **45L** 44W, 4500 lumens - 102 LPW	**Blank** 120-277 Volt (Standard) **34** 347 Volt (Optional) - Available with 10V control option only	**S** Step dimming to 50% **10V** 0-10V dimming to 5%	**FD**	**DR** Driver

Fully assembled kit is composed of two components that must be ordered separately. Example: Lightbar: UR 24 35K FD LB 2 + Driver: UR2 24 36L 10V FD DR
Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Included in Kit

UR2-24™ / UR3-24™

- (2 or 3) 2' Lightbars
- (1) LED Driver
- (4) or (6) Mounting Clips
- (8) or (12) Self-Tapping Screws
- (1) Installation Instructions
- (1) UL1598C Certification Label

UR2-48™ / UR3-48™

- (2 or 3) 4' Lightbars
- (1) LED Driver
- (6) or (9) Mounting Clips
- (8) or (12) Self-Tapping Screws
- (1) Installation Instructions
- (1) UL1598C Certification Label

You May Also Be Interested In:

CR SERIES DOWNLIGHTS
Commercial-Grade Downlight Upgrade Solutions

CS SERIES LINEAR
Commercial Linear Solutions

DR SERIES DOWNLIGHTS
Commercial-Grade Downlight Upgrade Solutions

LED SUSPENDED AMBIENT

Cree's suspended ambient indirect/direct luminaires give architects an adaptable and supremely high-functioning light system with a super-modern, low-profile look at an appealing price point.

LN Series

p.58

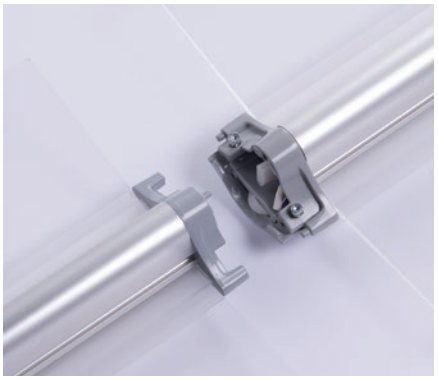
- Utilizes Cree WaveMax™ Technology
- Utilizes Cree TrueWhite® Technology
- 115 LPW
- 90+ CRI
- CCT: 3500K or 4000K
- 3400 lumens (60% uplight, 40% downlight)
- 0-10V continuous dimming to 5% (standard) or optional Cree SmartCast® Technology

CS Series

p.60

- Utilizes Cree TrueWhite® Technology
- Minimum 90 CRI
- CCT: 3500K or 4000K
- Lumen packages available from 2200 to 8000 lumens
- Available with Cree SmartCast® Technology to 10% or 0-10V dimming to 5%

LN Series Suspended Ambient



LN4™

SIMPLY BEAUTIFUL LIGHT.

With its stunning swept-wing design and breakthrough WaveMax™ Technology, the Cree LN Series pendant luminaire creates beautifully quiet light with game-changing affordability. The LN Series features an architectural, sleek design with an indirect/direct lighting system that delivers superior ceiling uniformity and creates a comfortable visual environment. The LN4™ suspended ambient luminaire delivers up to 115 lumens per watt of Cree TrueWhite® Technology 90+ CRI illumination and is available with up to 3700 lumens in both 3500K and 4000K color temperatures. The LN Series offers standard 0-10V dimming as well as the option for Cree SmartCast® Technology, Cree's intelligent light solution, that provides a combination of extreme energy productivity and a more personalized light experience that's so intuitive and simple, it just works.

BENEFITS

- Sleek and elegant architectural design
- More uniform ceiling and task illumination
- Up to 90% optical efficiency and precise optical control
- Exceptionally low ceiling contrast ratio and excellent spacing of 16+ feet between fixtures
- Unique modular light engine and optional SmartCast® Technology controls simplify design and installation
- Up to 136 feet of continuous rows with one power feed
- 0-10V or optional SmartCast® Technology dimming control for increased energy savings

FEATURES

- Utilizes Cree TrueWhite® Technology and WaveMax™ Technology
- Efficacy: Up to 115 LPW
- Delivered Light Output: Up to 3700 lumens (60% uplight, 40% downlight)
- CRI: 90
- CCT: 3500K or 4000K
- 0-10V continuous dimming to 5% (standard) or optional Cree SmartCast® Technology

APPLICATIONS

- Grocery, industrial, education, office, retail

LN Series Suspended Ambient

Ordering Information

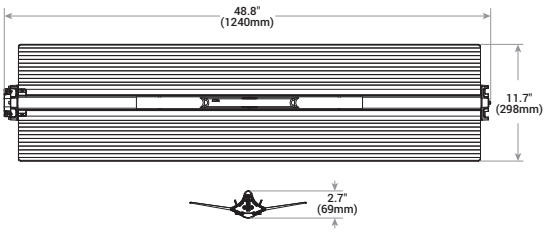
Example: LN4-34L-35K-10V

PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL
LN4™	**34L** 30W 3400 Lumens - 115 LPW	**35K** 3500K **40K** 4000K	**Blank** 120-277V	**10V** 0-10V dimming to 5% **CMA** Cree SmartCast® Technology - Controls ready with integral motion and ambient sensors

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

LN4™



Accessory Information

FIELD-INSTALLED

Mounting Hardware
LN-EC
- Set of End Caps, one with power feed, one without (one needed per power feed)
LN-CK-5-AC
- Canopy Kit with Aircraft Cable and Power Feed
LN-CK-0-AC
- Canopy Kit with Aircraft Cable, no Power Feed

Emergency Options
Inverter
ELI-125W (powers up to 4 luminaires)
- Emergency 125W inverter (Ceiling Installation)

Generator
EL-SR-120
- Emergency Relay, 120V
EL-SR-277
- Emergency Relay, 277V

Luminaires w/Cree SmartCast® Technology
Cree SmartCast® Technology Configuration Tool
CCT-CWC-1
- One required per project when CMA control is selected

Cree SmartCast® Technology Face Plates
CFP-1-WH
- Matching Cree face plate, 1-gang, white
CFP-2-WH
- Matching Cree face plate, 2-gang, white
CFP-3-WH
- Matching Cree face plate, 3-gang, white

Cree SmartCast® Technology Wireless Dimmer
CWD-CWC-WH

Cree SmartCast® Technology Wireless Switch
CWS-CWC-WH

You May Also Be Interested In:

CR SERIES TROFFERS
High-Efficiency, Affordable Troffers

LR SERIES DOWNLIGHTS
Commercial-Upgrade Downlight Solutions

IG SERIES
LED Parking Garage Luminaire

CS Series Linear

CS18™

CS14™

HIGHER CRI, BETTER ENERGY SAVINGS, LONGER LIFE AND BROADER COLOR RENDERING.

The CS Series High/Low-Bay fixture brings an extraordinary combination of performance, aesthetics, optimal light distribution and affordability to grocery, retail showrooms and light industrial applications. With higher CRI, better energy savings, longer life and broader color rendering than traditional fluorescent lamps, the CS Series' breakthrough design runs cooler, providing significant boosts to lifetime efficacy and color consistency. The CS Series is available with innovative SmartCast® Technology, Cree's intelligent light solution, providing a combination of extreme energy productivity and a more personalized light experience that's so intuitive and simple, it just works.

BENEFITS

- Lightweight intuitive design minimizes installation time
- Virtually eliminates costly high-ceiling maintenance
- Beautiful light quality and stylish design bring architectural appeal to any space
- Integral through-wiring, tool-less electrical access and quick connection features for quick installation
- 90+ CRI renders colors beautifully and consistently
- With SmartCast® Technology, provides a code-compliant solution delivering exceptional energy efficiency and better light

FEATURES

- Available with Cree SmartCast® Technology
- Utilizes Cree TrueWhite® Technology
- CRI: 90
- Delivered Light Output: 2200 to 8000 lumens
- Efficacy up to 115 LPW
- CCT: 3500K 4000K
- Input Power: 47 to 75 watts
- Input Voltage: 120-277 VAC
- Dimming: 0-10V dimming to 5%

APPLICATIONS

- Retail, education, office, warehouse, light industrial, low-bay lighting

CS Series Linear

Ordering Information

Example: CS18-80L HE-35K-10V

PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL
CS14 1x4 Linear	**22L** 2200 Lumens - 100 LPW **38L** 3800 Lumens - 100 LPW **40LHE** 4000 Lumens - 115 LPW	**35K** 3500K **40K** 4000K	**Blank** 120-277V	**10V** 0-10V Dimming **CMA**** Controls ready with integral motion and ambient sensors. Compatible with CM-CWC-1 (Cree SmartCast® Technology wireless control module [factory installed])
CS18 1x8 Linear	**44L** 4400 Lumens - 100 LPW **75L** 7500 Lumens - 100 LPW **80LHE** 8000 Lumens - 115 LPW	**35K** 3500K **40K** 4000K	**Blank** 120-277V	**10V** 0-10V Dimming **CMA**** Controls ready with integral motion and ambient sensors. Compatible with CM-CWC-1 (Cree SmartCast® Technology wireless control module [factory installed])

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.
**CMA not available with 22L or 44L lumen packages

Accessory Information

FIELD-INSTALLED

TMM
Metal Tong Hanger (Pair)
- Recommended for surface mount

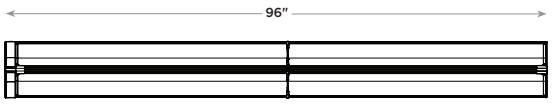
AC5-48-Q14B-TB
Adjustable Cable Support Kits
AC2-48-Q14B-TB
Adjustable Cable Support Kits
AC-144-Q14B-LP
Adjustable Loop Cable Kits

AC5-18/5-48-Q14B-JB
Adjustable Power Feeds with Cable Support Canopy Kits
AC5-12/3-48-Q14B-JB
Adjustable Power Feeds with Cable Support Canopy Kits

PC5-18/5-24-JB
Adjustable Power Feed Canopy Cable Kits
PC5-12/3-24-JB
Adjustable Power Feed Canopy Cable Kits

Dimensions

CS18™ LINEAR LUMINAIRE



CS14™ LINEAR LUMINAIRE

You May Also Be Interested In:

ZR SERIES TROFFERS
High-Efficiency, Affordable Troffers

LS SERIES
Commercial-Grade Linear Solutions

CXB SERIES
LED High-Bay Luminaire

LED SURFACE AMBIENT

Cree® surface ambient luminaires deliver significantly improved illumination performance compared to outdated fluorescent fixtures and are designed for easy installation, saving time and money.

LS Series

p.64

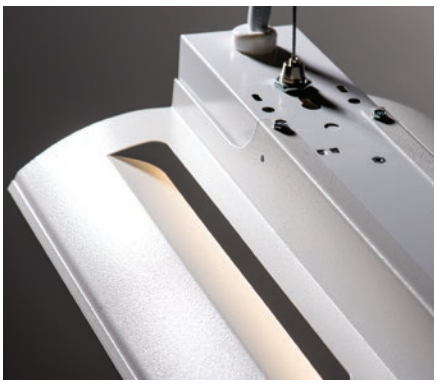
- 90+ CRI
- CCT: 3500K, 4000K and 5000K
- 4' and 8' sizes
- 2500-5000 lumens and 8000-10,000 lumens
- Cree TrueWhite® Technology

WS Series

p.66

- Minimum 80 CRI
- CCT: 3500K, 4000K, 5000K or 5700K
- 4700, 5000, 5900 or 6300 lumens
- 0-10V dimming: 10% - 47L and 50L; 15% - 59L and 63L

LS Series Surface Ambient



GRACEFUL DESIGN. STRIKING VERSATILITY.

With the LS Series linear luminaire featuring high-efficiency, exceptional color quality and application flexibility, Cree delivers breakthrough light quality and innovative design for linear lighting applications. Designed in a slim architectural form factor with flexible mounting options, the LS Series LED surface ambient luminaire offers up to 10,000 lumens of 92 CRI color quality, color temperatures of 3500K, 4000K and 5000K, and 0-10V dimming, making it ideal for new construction and upgrade applications. Optional reflectors add a streamlined appearance, enhancing the LS Series design.

BENEFITS

- Delivered lumens up to 5,000 for 4 foot and up to 10,000 for 8 foot
- Exceptional light quality
- Precise optical control
- Compact, elegant design
- Fully luminous with no pixelation
- Versatile mounting options
- Reflector options allow for multiple design aesthetics
- Continuous row lighting

FEATURES

- 90+ CRI
- Cree TrueWhite® Technology
- Efficacy: up to 109 LPW
- Delivered light output: up to 10,000 lumens
- CCT: 3500K, 4000K, 5000K
- Input power: 44, 88 watts
- Input voltage: 120 277 VAC; 60 Hz
- Mounting: surface suspended, pendant, cove
- 0-10V dimming to 5%

APPLICATIONS

- Grocery, industrial, education, office, retail

LS4

LS4
Solid Reflector

LS4
Reflector with Apertures

LS Series Surface Ambient

Ordering Information

Example: LS4-40L-35K-10V

PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL	OPTIONS
LS4	**25L** 23W, 2500 lumens - 109 LPW **40L** 44W, 4000 lumens - 90 LPW (120-277) 47W, 4000 lumens - 85 LPW (347V) **50L** 50W, 5000 lumens - 100 LPW	**35K** 3500K **40K** 4000K **50K** 5000K	**Blank** 120-277 Volt **34** 347 Volts -Available with 40L only	**10V*** 0-10V dimming to 5%	**EB14** Emergency Backup - Minimum 90 minutes - 1400 lumens - 120-277V only - Available in US only
LS8	**80L** 88W, 8000 lumens - 91 LPW (120-277V) 90W, 8000 lumens - 89 LPW (347V) **100L** 100W, 10000 lumens - 100 LPW	**35K** 3500K **40K** 4000K **50K** 5000K	**Blank** 120-277 Volt **34** 347 Volts -Available with 40L only	**10V*** 0-10V dimming to 5%	**EB14** Emergency Backup - Minimum 90 minutes - 1400 lumens - 120-277V only - Available in US only

* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details. Reference www.cree.com/Lighting/Products/Indoor/Surface-Ambient/LS-Series for recommended wiring dimming controls and wiring diagrams.

Accessory Information

FIELD-INSTALLED

Reflectors
- Refer to reflector spec sheet

Solid
LS4-SR
LS8-SR
- Pair of reflectors

Apertured
LS4-AR
LS8-AR
- Pair of reflectors

Joint Aligner
LS-RJ
- Top housing aligner for continuous rows

LS-RFLJ
- Reflector aligner for continuous row

Adjustable Cable Support Kits for T-Bar Applications
AC5-48-Q14B-TB
- Includes 5.0" (127mm) Canopy, 48.0" (1219mm) Adjustable Cable, Q14B Gripper and T-Bar Clip

Continuous Row Through Wiring Kit
LS4TWK
- Includes (3) #12AWG 54.0" (1372mm) Wires for Line (black), Neutral (white), Ground (green), (2) #18AWG 54.0" (1372mm) Wires for 0–10V dimming (purple, gray) and (10) Wire Nuts

LS8TWK
- Includes (3) #12AWG 102.0" (2591mm) Wires for Line (black), Neutral (white), Ground (green), (2) #18AWG 102.0" (2591mm) Wires for 0–10V dimming (purple, gray) and (10) Wire Nuts

Adjustable Cable Support Kits w/ Power Feeds*
AC5-12/3-48-Q14B-JB
- Non-dimming applications
- Includes 5.0" (127mm) Cable Canopy, 48" (1219mm) #12/3 SJT Cord,Q14B Gripper and J-Box Strap

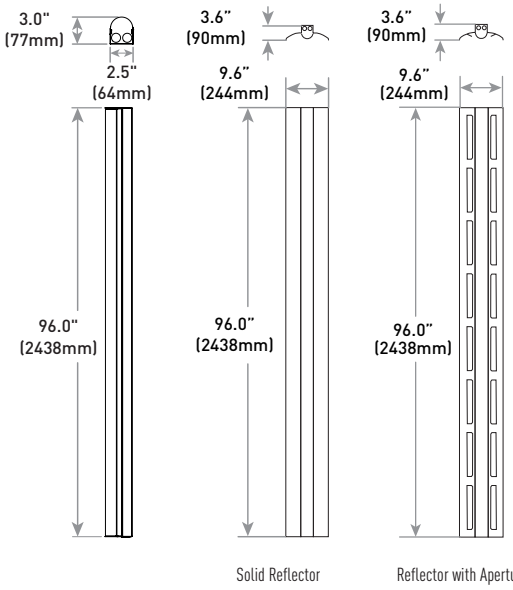
AC5-18/5-48-Q14B-JB
- Dimming applications
- Includes 5.0" (127mm) Cable Canopy, 48.0" (1219mm) #18/5 SJT Cord, Q14B Gripper and J-Box Strap

AC5-18/2-48-Q14B-JB
- For use with AC5-12/3-48-Q14B-JB for selective luminaire dimming control in row mounted luminaires
- Includes 5.0" (127mm) Cable Canopy, 48.0" (1219mm) #18/2 SVT Cord, Q14B Gripper and J-Box Strap

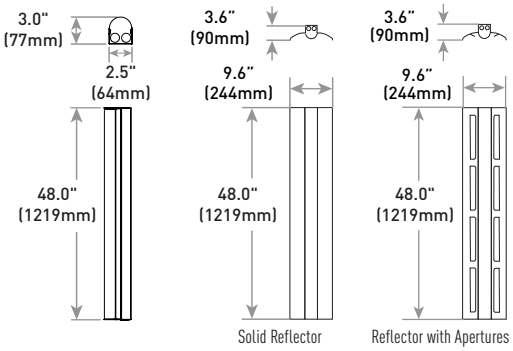
* Refer to installation spec sheet for power feed and cable support details

Dimensions

LS8

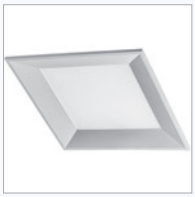


LS4



You May Also Be Interested In:

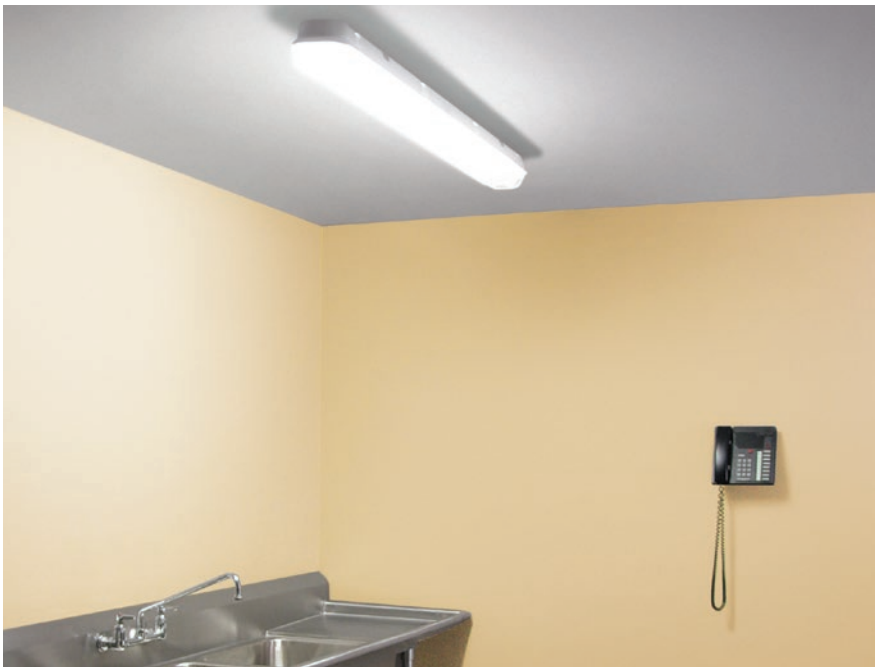
ZR SERIES TROFFERS
High-Efficiency, Affordable Troffers

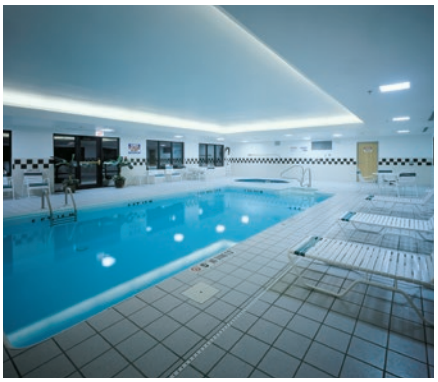


LR SERIES TROFFERS
LED Architectural Troffers

CXB SERIES
LED High-Bay Luminaire

WS Series





WS4™

IDEAL FOR ENVIRONMENTALLY-DEMANDING LOCATIONS.

Constructed of one-piece molded, rugged and durable fiberglass reinforced polyester and UV stabilized impact-resistant diffused acrylic shielding, Cree WS Series meets the IP65 mechanical requirements to enable wet location installations providing protection from external elements. WS Series is ideal for low to medium mounting heights and is suitable for operating temperatures ranging from -25°C to 35°C, allowing for cold or hot weather climate installations — both new construction and upgrade applications.

BENEFITS

- Reliable lighting source for demanding applications
- Excellent illumination with no hot spots
- Simple, secure and durable design provides dust protection and water resistance
- Ideal for wet locations and areas with dust, dirt or humidity
- Ideal for low to medium mounting heights

FEATURES

- IP65 rated
- Minimum 80 CRI
- Efficacy: up to 98 LPW
- Delivered Light Output: 4700, 5000, 5900 and 6300 lumens
- CCT: 3500K 4000K, 5000K, 5700K
- Input Voltage: 120-277 VAC
- Dimming: 0-10V dimming: 10% - 47L and 50L; 15% - 59L and 63L

APPLICATIONS

- Airport, Auto Dealership, Education, Government, Healthcare, Industrial & Warehouse, Municipal, Petroleum & Convenience Stores, Recreation & Public Venues, Restaurants & Hospitality, Retail & Grocery

WS Series

Ordering Information

Example: WS4-59L-35K-10V-FD

PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	DIMMING	COLOR/CRI	OPTIONS
WS4	**47L** 50W, 4700 lumens - 94 LPW **50L** 51W, 5000 lumens - 98 LPW **59L** 63W, 5900 lumens - 94 LPW **63L** 64W, 6300 lumens - 98 LPW	**35K** 3500K Available with 47L and 59L Initial Delivered Lumens only **40K** 4000K Available with 47L and 59L Initial Delivered Lumens only **50K** 5000K Available with 50L and 63L Initial Delivered Lumens only **57K** 5700K Available with 50L and 63L Initial Delivered Lumens only	**Blank** 120/277 VAC	**10V** 0-10V dimming to 5% (standard)	**FD** CRI 80 (standard)	**SSL** Stainless Steel Latches

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Accessory Information

FIELD-INSTALLED

Tamper Proof Kit
WS4TPK
Includes 4 tamper proof screws and bit

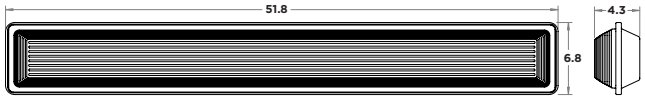
Tamper Proof Kit for Stainless Steel Latches
WSSSL4TPK
Includes 4 tamper proof screws and bit

Mounting Bracket Kit
WS4MBK
Includes 2 stainless steel surface mount brackets

Cable Suspension Kit
WS4CSK
Includes 2 stainless steel brackets and 2-5' (1.5m) aircraft cables

Dimensions

WS4™



You May Also Be Interested In:

IG SERIES
LED Parking Garage Luminaire

CXB SERIES
LED High-Bay Luminaire

LS SERIES
LED Surface Ambient Solutions

LED HIGH-BAY/LOW-BAY

Cree® interior high-bay and low-bay lighting is the ideal source for energy-efficient, low-maintenance illumination in large spaces. Cree high-bay and low-bay luminaires bring new levels of performance, technical innovation and contemporary design to commercial and industrial spaces.

CXB Series

p.70

- 18,000 and 24,000 median lumens
- Up to 113 LPW
- CCT: 4000K, 5000K
- 80 CRI
- Low-profile, lightweight design
- Flexible mounting choices
- 0-10V dimming standard
- Multi-Level option

Cree Edge™ Series High Output

p.72

- 70 CRI (4000K & 5700K); 90 CRI (5000K)
- CCT: 5700K standard, 5000K, 4000K
- Lumen packages available up to 75,000 lumens
- Utilizes Cree TrueWhite® Technology on 5000K luminaires
- 0-10V dimming to 5%

304 Series™

p.74

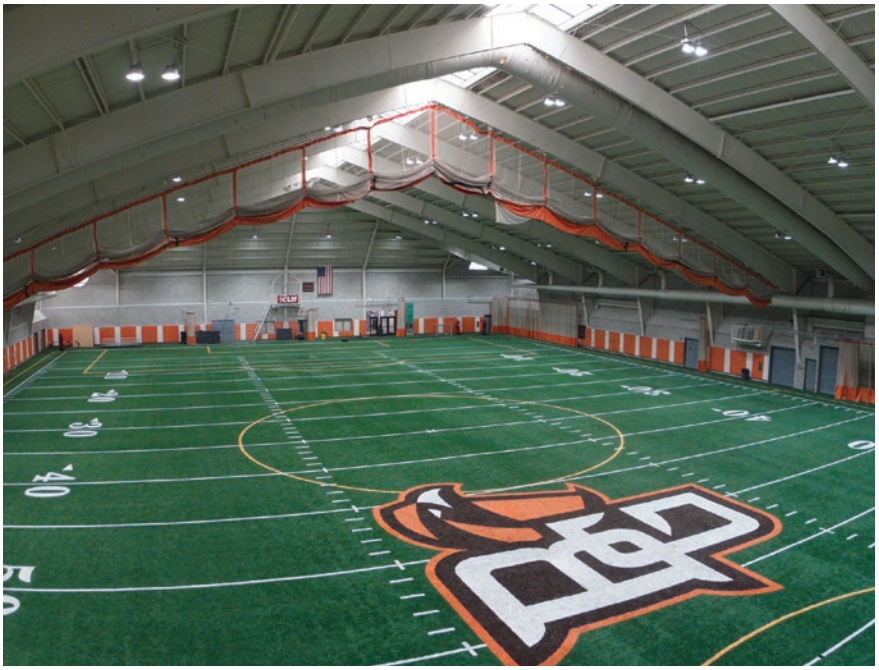
- Minimum 70 CRI
- CCT: 4000K or 5700K
- UL wet listed
- Multi-Level options
- IC rated and non-IC rated available
- Modular, low-profile design

Cree Edge™ Series

p.76

- Minimum 70 CRI
- CCT: 4000K or 5700K
- Multi-Level options
- UL damp listed
- Two-Level options
- Modular, low-profile design

Cree CXB Series High-Bay



CXB Series High-Bay Luminaire with Conical Bottom Lens

DELIVERING THE HIGHEST LUMENS PER DOLLAR AMONG COMPETING LED HIGH-BAY FIXTURES.

The CXB Series LED Low-Bay/High-Bay luminaire delivers 18,000 median and 24,000 median lumens with illumination performance to allow one-for-one replacement of 250W and 400W HID luminaires and multi-lamp fluorescent low-bay and high-bay fixtures. With exceptional rated lifetimes, zero restrike time and a compact lightweight construction, the CXB Series is a direct replacement for incumbent HID and fluorescent light sources that provides additional benefits of energy savings and significantly reduced relamp maintenance costs.

BENEFITS

- Compact, lightweight design weighs 50% less than traditional metal halide high-bay luminaires
- Up to 50% lower energy bills and reduced maintenance costs compared to 250W and 400W HID low/high-bay fixtures
- One-for-one replacement of 250W MH, 400W MH & multi-lamp fluorescent high-bay fixtures
- Variety of lumen packages, mounting choices, reflectors and lenses
- Highest lumens per dollar against competing LED luminaires today

FEATURES

- 18,000 and 24,000 lumens
- 80 CRI
- Up to 113 LPW
- CCT: 4000K, 5000K
- DLC qualified
- Multi-level option
- Suitable for damp environments
- Mounting options of direct j-box/pendant and hook, cord and plug
- Weighs 50% less than traditional metal halide high-bay luminaires
- 120-277 VAC or 347-480 VAC input voltage

APPLICATIONS

- Interior high-bay & low-bay, auto dealership, education, municipal, retail & grocery, industrial & warehouse

Cree CXB Series High-Bay

Ordering Information

Example: **Reflector**: CXBA16N + **Light Engine**: CXB-A-HC-H-40K-8-UL-10V-L715P

REFLECTOR

CXBA16N (Single Pack)
-16" (406mm) Aluminum
- WG-A accessory recommended for use in gymnasium applications

CXBP16 (Single Pack)
- 16" (406mm) Clear Acrylic
- Acrylic reflector is not impact resistant nor intended for use unprotected in a gymnasium

CXBW16 (Single Pack)
- 16" (406mm) White Acrylic
- Acrylic reflector is not impact resistant nor intended for use unprotected in a gymnasium

PRODUCT	VERSION	MOUNTING	LUMEN OUTPUT	COLOR TEMP	CRI	VOLTAGE	CONTROLS
CXB	**A**	**UV** Universal Mount: hook and cord with 6ft whip, adaptor plate for J-box and pendant	**M** 160W, 18,000 Median Lumens - 113 LPW **H** 240W, 24,000 Median Lumens - 100 LPW	**40K** 4000K **50K** 5000K	**8** 80 CRI	**UL** 120-277V **UH** 347-480V	**10V** 0-10V Dimming **ML** Multi-Level

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Accessory Information

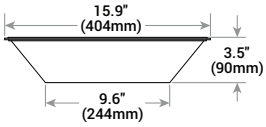
LIGHT ENGINE

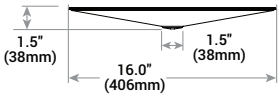
Galvanized Safety Cables
SC-5 - 5.0' (1.5m) Cable
SC-10- 10.0' (3.0m) Cable

REFLECTOR

Wire Guards
WG-A - 16" (406mm) Wire Guard for Aluminum Reflector
WG-AP - 16" (406mm) Wire Guard for Acrylic Reflector

Lenses
DL16 - 16" (406mm) Acrylic Clear Prismatic Drop Lens for Acrylic Reflector
CL16 - 16" (406mm) Acrylic Clear Conical Bottom Lens for Acrylic Reflector



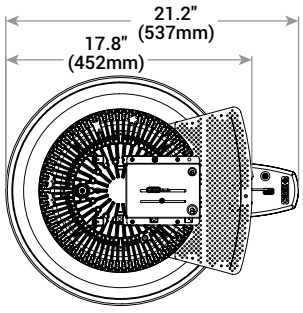


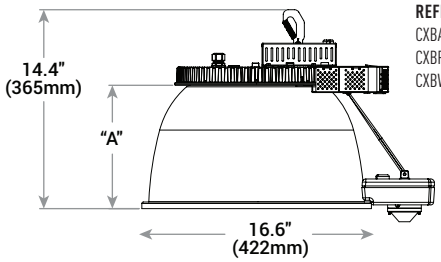
FIELD-INSTALLED NEMA® PLUG

AP-515P
15 amp 120V Straight Blade Plug
AP-L515P
15 amp 120V Twist Lock Plug
AP-L615P
15 amp 240V Twist Lock Plug
AP-L715P
15 amp 277V Twist Lock Plug
AP-L2420P
20 amp 347V Twist Lock Plug
AP-L820P
20 amp 480V Twist Lock Plug

Dimensions

CXB SERIES HIGH-BAY





REFLECTOR	"A" HEIGHT
CXBA16N (Aluminum)	9.0" (229mm)
CXBP16 (Clear Acrylic)	8.5" (216mm)
CXBW16 (White Acrylic)	8.5" (216mm)

You May Also Be Interested In:

LS SERIES
Commercial-Grade Linear Solutions

WS SERIES LINEAR
LED Surface Ambient Solutions

304 SERIES™ PARKING STRUCTURE
Parking Structure Lighting Solutions

Cree Edge™ Series High Output

LOW COST, HIGH OUTPUT ILLUMINATION.

The Cree Edge™ High Output High-Bay luminaire is designed to deliver high lumen packages with precise optical control. The upgrade-friendly unit features a slim, low-profile design. Luminaire mount options include direct surface mount, hook and cord mounting or pendant mount. Also available with Cree TrueWhite® Technology, the Cree Edge™ High Output High-Bay helps to beautifully render true colors and deliver value beyond energy savings.

BENEFITS

- Significant energy savings potential
- Ideal for high-bay applications
- Flexible LED configurations
- Multiple mounting options
- Ruggedly constructed to safely operate in the most demanding installations

FEATURES

- 70 CRI (4000K & 5700K); 90 CRI (5000K)
- CCT: 5700K (+/- 500K) Standard, 5000K (+/- 300K), 4000K (+/- 300K)
- Utilizes Cree TrueWhite® Technology on 5000K luminaires
- Patented NanoOptic® Product Technology
- Limited Warranty: 10 years on luminaire / 10 years on Colorfast DeltaGuard® finish

APPLICATIONS

- Industrial & warehouse

Cree Edge™ High Output

Cree Edge™ Series High Output

Ordering Information

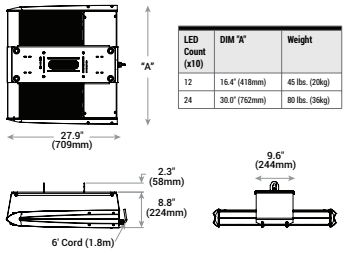
Example: HBY-EHO-HH-DM-12-E-UL-SV-700

PRODUCT	OPTIC	MOUNTING	LED COUNT (X10)	SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
HBY-EHO	N6 NEMA 6 **HH** Hangar High-Bay **40** 40˚ Flood **70˚** 70˚ Flood	**DM** Direct Surface	**12** **24**	**E**	**UL** Universal 120-277V **UH+** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**700** 700mA **1000** 1000mA	**40K** 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire **50K** 5000K Color Temperature - Minimum 90 CRI - Utilizes Cree TrueWhite® Technology - Color temperature per luminaire **DIM** 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current **F Fuse** - Refer to ML spec sheet for availability with ML options - When code dictates fusing, use time delay fuse **ML** Multi-Level - Refer to ML spec sheet for details

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

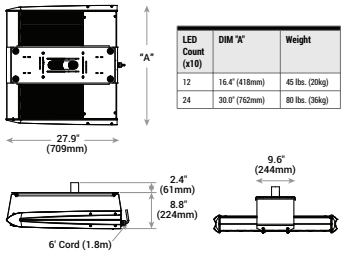
Mounting Options

HOOK AND CORD (HC)



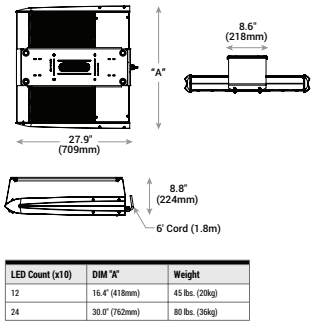
LED Count (x10)	DIM "A"	Weight
12	16.4" (418mm)	45 lbs. (20kg)
24	30.0" (762mm)	80 lbs. (36kg)

PENDANT (PD)



LED Count (x10)	DIM "A"	Weight
12	16.4" (418mm)	45 lbs. (20kg)
24	30.0" (762mm)	80 lbs. (36kg)

DIRECT (DM)



LED Count (x10)	DIM "A"	Weight
12	16.4" (418mm)	45 lbs. (20kg)
24	30.0" (762mm)	80 lbs. (36kg)

Accessory Information

FIELD-INSTALLED

EHO-HC
Hook & Cord Mount Kit

EHO-PD1
Pendant 1-1/4" NPSM Mount Kit

EHO-PD2
Pendant 1-1/2" NPSM Mount Kit

You May Also Be Interested In:

LS SERIES
Commercial-Grade Linear Solutions

CS SERIES LINEAR
Commercial-Grade Linear Solutions

304 SERIES™ PARKING STRUCTURE
Parking Structure Lighting Solutions

304 Series™ Interior

ARE YOUR CANOPY LIGHTS SAVING YOU MONEY?

304 Series™ recessed canopy luminaires are available in both IC and non-IC versions and add significant value to such applications. Available in multiple optics, LED counts and power conditions, the 304 Series™ offers design flexibility to precisely meet varying illumination requirements with the potential to reduce energy and maintenance costs in the process. Non-recessed versions are also available for pendant-mount applications such as convenience stores and warehouses.

BENEFITS

- Available in multiple optics, LED counts and power options
- High-quality white light
- Greatly reduced maintenance cycles
- Controlled light distribution
- Significant energy savings potential
- UL wet listed

FEATURES

- CRI: Minimum 70
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Multi-Level options
- IC rated and Non-IC rated available
- Adjustable mounting brackets
- Modular, low-profile design

APPLICATIONS

- Interior high-bay & low-bay, school & university

304 Series™ Interior

304 Series™ Interior

Ordering Information

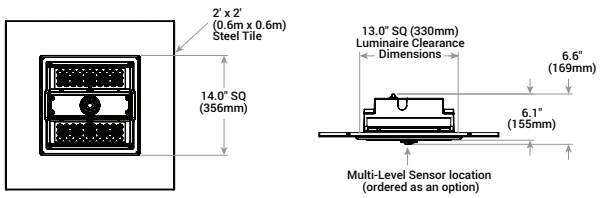
Example: INT-304-PS-RM-04-D-UL-SV-700-40K

PRODUCT	FAMILY	OPTIC	MOUNTING	LED COUNT	SERIES	VOLTAGE	COLOR	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
INT	304	**5M** Type V Medium **5S** Type V Short **PS** Petroleum Symmetric **SL** Sparkle Petroleum **40** 40˚ Flood	**RM** Recessed	**04** **06** Available on non-IC rated product only	E	**UL** Universal 120-277V - Available on IC rated product only **UH** Universal 347-480V - Available on IC rated product only **12** 120V - Available on Non-IC rated product only **27** 277V - Available on Non-IC rated product only	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA **525** **525mA** - Available on Non-IC rated product only **700** **700mA** - Available on Non-IC rated product only - Available with 40 LEDs	**40K** 44000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire **DIM** 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current **F** Fuse - When code dictates fusing, use time delay fuse - Refer to ML spec sheet for availability with ML options - Available with UL voltage only IC **IC** Type IC Rated **ML** ML Multi-Level - Refer to ML spec sheet for details **PML** Programmable Multi-Level - Refer to PML spec sheet for details - Intended for downlight applications at 0˚ tilt

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

304 SERIES™ INTERIOR



You May Also Be Interested In:

LS SERIES
Commercial-Grade Linear Solutions

CS SERIES LINEAR
Commercial-Grade Linear Solutions

304 SERIES™ PARKING STRUCTURE
Parking Structure Lighting Solutions

Cree Edge™ Series Interior Round

BRING ENERGY AND MAINTENANCE SAVINGS TO YOUR INTERIOR SPACE.

Cree Edge™ interior round luminaires are ideal for illuminating retail and commercial applications. The pendant-mount and hook and cord-mount luminaires provide direct uniform illumination that enhances interior aisles and displays and delivers a safe, appealing atmosphere.

With a low-profile, modular design, this stylish luminaire provides improved illumination performance while reducing energy consumption.

BENEFITS

- Significant energy savings potential
- Greatly reduced maintenance cycles
- High-quality, white light
- Controlled light distribution

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL damp listed
- Adjustable mounting bracket
- Modular, low-profile design

APPLICATIONS

- Interior high-bay & low-bay, petroleum & convenience store, airport, restaurant & hospitality, retail & grocery

Cree Edge™ Interior Round

Cree Edge™ Series Interior Round

Ordering Information

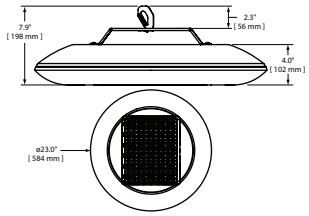
Example: INT-EDR-PS-HC-04-D-UL-SV-700-40K

PRODUCT	FAMILY	OPTIC	MOUNTING	LED COUNT	SERIES	VOLTAGE	COLOR	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
INT	EDR	**PS** Petroleum Symmetric **40** 40˚ Flood	**HC** Hook and Cord Mount **PD** Pendant Mount	**04** **06** **08** **10** **12**	E	**UL** Universal 120–277V **UH** Universal 347–480V	**SV** Silver **BZ** Bronze **BK** Black **WH** White	**350** 350mA **525** 525mA **700** 700mA - Available with 40-60 LEDs	**40K** 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire **DIM** 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current **HL** Hi/Low (Dual Circuit Input) - Refer to HL spec sheet for details - Sensor not included

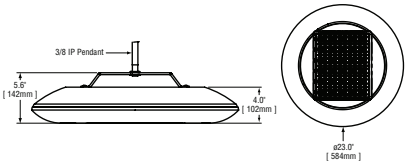
*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Mounting Options

HOOK AND CORD (HC)



PENDANT (PD)



You May Also Be Interested In:

CREE EDGE™ AREA ROUND
Outdoor Architectural-Grade Area Lighting

CS SERIES LINEAR
Commercial-Grade Linear Solutions

CREE EDGE™ CANOPY
Outdoor Canopy and Soffit Solutions

LED LAMPS

Cree® LED lamps deliver an unrivaled combination of superior color quality, energy efficiency and longevity. Cree® lamps powered by Cree TrueWhite® Technology offer 90+ CRI and exceptional efficacy, providing high-quality lighting that is both crisp and warm – creating an inviting atmosphere to impress guests and drawing out the naturally vibrant colors of food and merchandise to enhance their appeal, all while delivering operational savings directly to the bottom line.

LBR Series

p.80

- 60 watt BR30 equivalent
- 12 watts
- 94 CRI at 2700K
- Utilizes Cree TrueWhite® Technology
- 25° or 50° beam angles
- Dimmable to 20% with ELV dimmers

LRP Series

p.82

- 75 watt PAR38 equivalent
- 13.5 watts
- 92 CRI at 2700K or 3000K
- Utilizes Cree TrueWhite® Technology
- 12° or 25° beam angles
- Dimmable to 20% with ELV dimmers

MR16 Series

p.84

- 50W MR16 equivalent
- 8.7 watts
- >90 CRI at 3000K
- 15°, 25° or 40° beam angles
- Dimmable to 5% with select dimmers and transformers

A19 Series

p.86

- 40 & 60 watt equivalent (4Flow™) or 75 watt equivalent (A19)
- 460 to 1100 lumens
- 6, 10, or 13.5 watts
- >80 CRI (4Flow™)
- 2700K or 5000K
- Dimmable with most standard dimmers A21 Series

A21 Series

p.88

- 100 watt & 3-WAY equivalent
- 18 watts
- 80 CRI at 2700K or 5000K
- Dimmable with most standard dimmers

A21 3-Way Lamp

p.90

- 30/60/100 watt equivalent
- 320/820/1620 lumens
- 3/8/18 watts
- 80 CRI
- 2700K
- For use in three-way fixtures (non-dimmable)

BR Series

p.92

- 65 watt equivalent
- 9 watts (BR30); 9.5 watts (BR40)
- 80 CRI at 2700K and 5000K
- Dimmable with most standard dimmers

PAR30 Series

p.94

- 75 watt equivalent
- 850 lumens
- 10.5 watts
- >90 CRI at 3000K
- Multiple beam spread angles: 25° spot, 40° flood
- Dimmable with most standard dimmers

PAR38 Series

p.96

- 90 watt equivalent
- 1500 lumens
- 16.5 watts at 3000K
- 18 watts at 2700K
- 80 CRI
- 27° and 47° beam angles
- Dimmable with most standard dimmers

LBR Series Lamps

LBR-30™

BEST-IN-CLASS PERFORMANCE AND BEAUTY FOR A TRUE NO-COMPROMISE RETAIL AND ACCENT LIGHTING SOLUTION.

The LBR-30™ LED BR30 lamp delivers 600 lumens of exceptional 94 CRI light while achieving 50 lumens per watt. This breakthrough performance is achieved by combining the high efficacy and high-quality light of Cree TrueWhite® Technology. The LBR-30™ lamp is available in a warm color temperature of 2700K, is offered in 25-degree and 50-degree beam angles, and is available in both Edison and GU24 bases. The LBR-30™ BR30 LED lamp delivers higher CRI, better energy savings, longer life and broader color rendering than traditional 65-watt BR30 halogen lamps.

BENEFITS

- ENERGY STAR® qualified
- 50,000-hour lifetime design in open fixtures
- 35,000-hour lifetime design in non-IC recessed downlights
- California Title 24 compliant (GU24 base)

FEATURES

- Utilizes Cree TrueWhite® Technology
- Active color management
- 1940 CBCP (25°); 785 CBCP (50°)
- Dimmable to 20% with ELV dimmers
- Suitable for damp locations
- Standard 3-year limited warranty

APPLICATIONS

- Accent, track and downlighting ideal for retail, grocery, restaurant, museum and commercial applications

LBR Series Lamps

Ordering Information

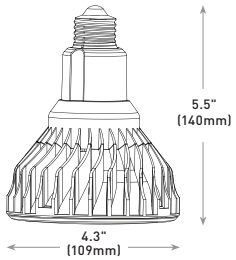
Example: LBR30A92-50D-GU24

PRODUCT	BEAM ANGLE	BASE TYPE
LBR30A92	**25D** 25° Flood **50D** 50° Wide Flood	**Blank** Edison Base **GU24** GU24 Base

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

LBR-30™



Accessory Information

Trackheads
Lampholder, Edison
Socket
TL

You May Also Be Interested In:

LR SERIES DOWNLIGHTS
Commercial-Upgrade Downlight Solutions

CR SERIES DOWNLIGHTS
Commercial-Grade Downlight Upgrade Solutions

MR16 SERIES LAMPS
Efficient Halogen Replacement

LRP Series Lamps

HIGHER EFFICACY AND LONGER LIFE THAN CERAMIC METAL HALIDE WITH THE BEAUTIFUL LIGHT QUALITY THAT YOU WOULD EXPECT FROM HALOGEN.

The LRP38-10L high output LED PAR38 lamp delivers 950 (2700K) and 1000 (3000K) lumens of exceptional 92 CRI light while achieving 70 lumens per watt. This breakthrough performance is achieved by combining the high efficacy and high-quality light of Cree TrueWhite® Technology. The LRP38-10L is available in warm color temperatures of 2700K and 3000K, is offered in 12-degree and 25-degree beam angles, and is available in both Edison and GU24 bases. The LRP38-10L LED PAR38 lamp delivers higher CRI, better energy savings, longer life and broader color rendering than traditional 90-watt PAR38 halogen lamps.

BENEFITS

- ENERGY STAR® qualified
- 50,000-hour lifetime design in open fixtures
- 35,000-hour lifetime design in non-IC recessed downlights
- California Title 24 compliant (GU24 base)

FEATURES

- Utilizes Cree TrueWhite® Technology
- 13,220 CBCP (12°); 4000 CBCP (25°)
- Dimmable to 20% with ELV dimmers
- Suitable for damp locations
- Standard 3-year limited warranty

APPLICATIONS

- Accent, track and downlighting ideal for retail, grocery, restaurant, museum and commercial applications

LRP38-10L-12D

LRP38-10L-25D

LRP Series Lamps

Ordering Information

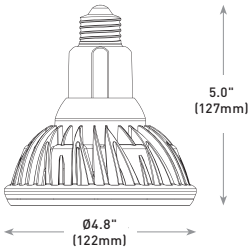
Example: LRP38-10L-27K-25D

PRODUCT	LUMEN OUTPUT	COLOR TEMP.	BEAM ANGLE	BASE TYPE
LRP38	**10L** 1000 Lumens	**27K** 2700K **30K** 3000K	**12D** 12° Spot **25D** 25° Flood	**Blank** Edison Base **GU24** GU24 Base

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

LRP38-10L



You May Also Be Interested In:

MR16 SERIES LAMPS
Efficient Halogen Replacement

PAR38 SERIES LAMPS
PAR38 LED Lamp

LR SERIES DOWNLIGHTS
Commercial-Upgrade Downlight Solutions

MR16 Series Lamps

FINALLY, A TRUE LED 50W MR16 REPLACEMENT LAMP.

The Cree® MR16 Series TrueWhite® LED Lamp is a true 50W halogen MR16 equivalent that delivers up to 584 lumens of superior 90 CRI with R9 >50 color quality while achieving up to 67 lumens per watt. This MR16 boasts a slim design to allow universal form and fit into most global MR16 fixtures and is available in a variety of beam angles with a color temperature of 3000K. The Cree MR16 Series TrueWhite® LED Lamp's impressive combination of greater than 80% energy savings, significant maintenance savings and pending ENERGY STAR® qualification* makes it a perfect solution for track and accent lighting.

BENEFITS

- Smaller, "perfect" fit design for increased track head compatibility
- Up to 80% energy cost savings
- Payback in less than one year
- ENERGY STAR® qualified excluding the 540 lumens (15°) version
- Compatible with Essentia® by Cree Track

FEATURES

- Utilizes Cree TrueWhite® Technology
- Beam Angles: 15°, 25° and 40°
- >90 CRI
- Input Power: 8.7 watts (50W eq)
- 5% dimming
- Delivered Light Output: 540 lumens (15D), 580 lumens (25D), 584 lumens (40D)

APPLICATIONS

- Accent, track and downlighting ideal for retail, grocery, restaurant, museum and commercial applications

MR16

15° Spot

40° Wide Flood

25° Flood

MR16 Series Lamps

Ordering Information

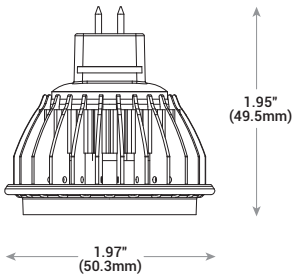
Example: MR16-50W-30K-25D

PRODUCT	WATT EQUIVALENT	COLOR TEMP.	BEAM ANGLE	BASE TYPE
MR16	50W	**30K** 3000K	**15D** 15° Spot **25D** 25° Flood **40D** 40° Wide Flood	**Blank** GU5.3 Base

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

MR16



You May Also Be Interested In:

PAR38 SERIES LAMPS
PAR38 LED Lamp

LR SERIES DOWNLIGHTS
Commercial-Upgrade Downlight Solutions

GIMBAL RING TRACK
Line Voltage Track Fixture

A19 Series Lamps

A19

A19P
4Flow™

BRILLIANTLY DESIGNED, ENERGY-EFFICIENT, LONG-LASTING LED BULBS.

The Cree LED A19 bulb delivers up to 1100 lumens of warm 2700K light or cool 5000K light, while consuming up to 85% less energy than the incandescent bulbs they replace. These lamps feature a consistent and balanced omni-directional light, turn on instantly, and are compatible with most standard incandescent dimmers.

BENEFITS

- A19P is Designed to last up to 30,000 hours
- ENERGY STAR® qualified
- Consumes up to 85% less energy
- Instant on and mercury free

FEATURES

- Dimmable with most standard dimmers
- Suitable for damp locations
- CCT: 2700K, 5000K
- Shatter resistant coating or robust shatter-proof plastic for safety

A19P

- 83 CRI
- 40 watt equivalent (6W, 460 lumens)
- 60 watt equivalent (10W, 815 lumens)
- 100% Satisfaction Guarantee: 5 Years

A19

- 80 CRI
- 75 watt equivalent (13.5W, 1100 lumens)
- 3-year limited warranty

APPLICATIONS

- Hospitality, restaurant, healthcare and residential applications

A19 Series Lamps

Ordering Information

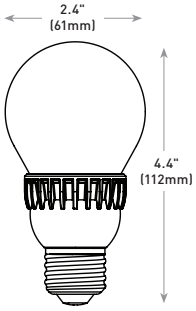
Example: A19P-60W-27K-B1

PRODUCT	WATT EQUIVALENT	COLOR TEMP.	VOLTAGE	BASE TYPE	OPTIONS	PACKAGING OPTIONS
A19P	**40W** 40 Watt (460 lumens) **60W** 60 Watt (815 lumens)	**27K** 2700K **50K*** 5000K	**Blank** 120V	**Blank** E26 (Screw Base)	**Blank** 80 CRI	**B1** (8) Blister Pack Bulbs in Master Carton (MC = 8) **T24** Commercially packed bulbs in tray (Quantity 24) **WST** Wingstack - 60W Equivalent, 2700K only (Quantity 48)
A19	**75W** 75 Watt (1100 lumens)					**B1** (6) Blister Pack bulbs in master carton (MC=6)

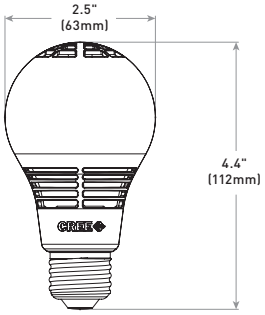
*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

A19



A19P



You May Also Be Interested In:

BR30 SERIES LAMPS
LED Flood Lamp

LR SERIES DOWNLIGHTS
Commercial-Upgrade Downlight Solutions

LBR SERIES LAMPS
LED BR30 Lamp

A21 Series Lamps

A 100-WATT EQUIVALENT BULB THAT SIMPLY GLOWS WHILE SIPPING ENERGY.

The Cree® LED A21 bulbs deliver up to 1600 lumens of warm 2700K light or cool 5000K light, while consuming at least 82% less energy than the incandescent bulbs they replace. These lamps feature a consistent and balanced omnidirectional light source within a real glass bulb, turn on instantly, and are compatible with most standard incandescent dimmers. Powered by Cree® LED Filament Tower™ Technology, the Cree® LED A21 bulbs are designed to last 25,000 hours.

BENEFITS

- Innovative design provides omnidirectional light
- Consumes up to 82% less energy than an incandescent
- Long-lasting, ambient instant-on illumination
- Suitable for damp locations

FEATURES

- 80 CRI
- 18 watts (100 watt equivalent)
- 1600 lumens
- CCT: 2700K, 5000K
- Dimmable with most standard dimmers

APPLICATIONS

- Hospitality, restaurant, healthcare, government and residential applications

A21

A21 Series Lamps

Ordering Information

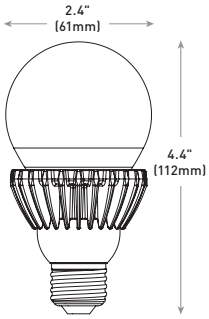
Example: A21-100W-27K-B1

PRODUCT	WATT EQUIVALENT	COLOR TEMP.	VOLTAGE	BASE TYPE	OPTIONS	PACKAGING OPTIONS
A21	**100W** 100W (1600 Lumens)	**27K** 2700K **50K*** 5000K	**Blank** 120V	**Blank** E26 (Screw Base)	**Blank** 80 CRI	**B1** (1) Single Blister Pack (MC = 5)

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

A21



You May Also Be Interested In:

BR30 SERIES LAMPS
LED Flood Lamp

LR SERIES DOWNLIGHTS
Commercial-Upgrade Downlight Solutions

LBR SERIES LAMPS
LED BR30 Lamp

A21 3-Way Lamps

THREE BEAUTIFUL LIGHTING OPTIONS FOR THE PRICE OF ONE.

The Cree® 3-Way LED bulb delivers three distinct levels of beautiful, warm 2700K incandescent-like light. The Cree 3-Way LED bulb looks and lights like a traditional 3-Way incandescent bulb, but uses up to 90% less energy and is designed to last 25 times longer. Delivering 320, 820, and 1620 lumens (30W/60W/100W replacement), each step of light output is distinct and visible to the naked eye. Plus, unlike traditional incandescent 3-Ways, you can use the Cree 3-Way LED bulb in any orientation.

BENEFITS

- Innovative design provides omnidirectional light
- Consumes up to 90% less energy than an incandescent
- Long-lasting, ambient instant-on illumination
- Suitable for damp locations
- Designed to last 25,000 hours

FEATURES

- 80 CRI
- 3/8/18 watts (30/60/100W eq)
- CCT: 2700K
- For use in three-way light fixtures (non-dimmable)

APPLICATIONS

- Hospitality, restaurant, healthcare and residential applications

A21 3-Way

A21 3-Way Lamps

Ordering Information

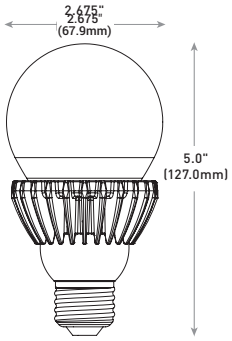
Example: A21-100W-3WY-27K-B1

PRODUCT	WATT EQUIVALENT	3-WAY	COLOR TEMP.	VOLTAGE	BASE TYPE	OPTIONS6	PACKAGING OPTIONS
A21	**100W** 100W (1620 Lumens)	**3WY** 3-Way bulb (30/60/100W)	**27K** 2700K	**Blank** 120V	**Blank** E26 (Screw Base)	**Blank** 80 CRI	**B1** (1) Single Blister Pack (MC = 5)

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

A21 3-WAY



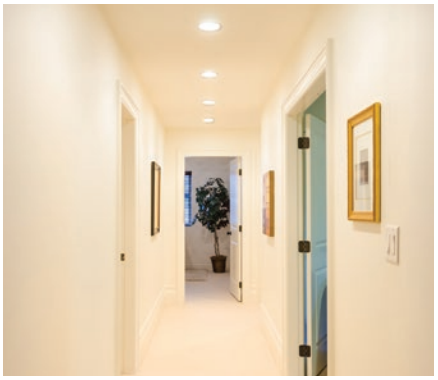
You May Also Be Interested In:

BR30 SERIES LAMPS
LED Flood Lamp

LR SERIES DOWNLIGHTS
Commercial-Upgrade Downlight Solutions

LBR SERIES LAMPS
LED BR30 Lamp

BR Series Lamps



REMARKABLE LIGHT QUALITY THAT OUTPERFORMS AND OUTLASTS INCANDESCENT.

The BR30 and BR40 LED flood lamps deliver up to 760 lumens of warm 2700K or cool 5000K light while consuming at least 85% less energy than the incandescent floods they replace. These lamps blend seamlessly into the ceiling and provide smooth, highly diffused light, and are perfectly designed for recessed cans or track lighting. The BR30 and BR40 flood lamps are ENERGY STAR® qualified, dimmable, and designed to last 25,000 hours.

BENEFITS

- Softly diffused warm light
- ENERGY STAR® qualified to last 25,000 hours
- Consumes up to 85% less energy
- Instant on and mercury free

FEATURES

- 80 CRI
- 65 watt equivalent up to 9 watts (BR30); 9.5 watts (BR40), 760 lumens
- Dimmable with most standard dimmers
- Shatter resistant coating for safety
- 5-year limited warranty
- Suitable for damp locations
- CCT: 2700K, 5000K

APPLICATIONS

- Commercial offices, hotels, restaurant, healthcare and residential applications

BR30

BR40

BR Series Lamps

Ordering Information

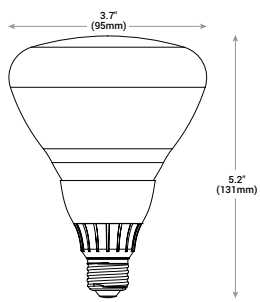
Example: BR30-65W-27K-B1

PRODUCT	WATT EQUIVALENT	COLOR TEMP.	VOLTAGE	BASE TYPE	OPTIONS	PACKAGING OPTIONS
BR30 **BR40**	**65W** 65 Watt (650 lumens) **65W** 65 Watt (760 lumens)	**27K** 2700K **50K** 5000K	**Blank** 120V	**Blank** E26 (Screw Base)	**Blank** 80 CRI	**B1** (1) Blister Pack bulbs in master carton (MC = 4) **B1** (1) Blister Pack bulbs in master carton (MC = 3)

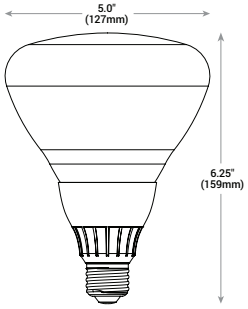
*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

BR30



BR40



You May Also Be Interested In:

A19 SERIES LAMPS
LED Omni-Directional Lamp

ESSENTIA® BY CREE LED TRACK HEAD
Energy Efficiency & Better Lighting Quality

LBR SERIES LAMPS
LED BR30 Lamp

PAR30 Series

CREE® PAR30 LONG & SHORT NECK LED SPOT AND FLOOD LIGHTS FOR BRIGHT, FOCUSED LIGHT.

With a choice of fully dimmable 25° spot or 40° flood lights to personalize your lighting experience, the Cree PAR30 LED bulb is an ideal choice in areas where focused or dramatic pools of light are desired—such as in a recessed can over a kitchen prep area or a track lighting fixture highlighting artwork on a wall. In addition, this LED bulb delivers a beautiful, bright white light with a high color fidelity that makes colors look the way they were intended.

BENEFITS

- Cree TrueWhite® Technology with high CRI and R9 values makes these lamps ideal for highlighting merchandise
- Designed to last at least 25,000 hours
- ENERGY STAR® certified
- Long-lasting, directional instant-on illumination
- Dimmable
- Compatible with Essentia® by Cree Track

FEATURES

- >90 CRI
- 75W equivalent
- 10.5W
- Lamp Delivered Light Output: 850 lumens
- CCT: 3000K
- Multiple beam angles: 25°, 40°
- Center Beam Candlepower (CBCP)

APPLICATIONS

- Commercial offices, hotels, restaurant, healthcare and residential applications

PAR30

PAR30 Series

Ordering Information

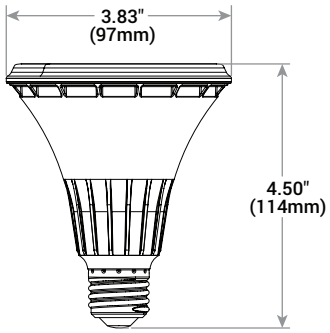
Example: PAR30L-75W-30K-25D-B1

PRODUCT	WATT EQUIVALENT	CCT	BEAM SPREAD	VOLTAGE	BASE TYPE	CRI	PACKAGING OPTIONS
PAR30 Long Neck	**75** 75 Watt (850 lumens)	**30K** 3000K	**25D** 25˚ Spot - Available only with PAR30L **40D** 40˚ Flood	**Blank** 120 Volt	**Blank** E26 (screw base)	**Blank** >90 CRI	**B1** (1) Single Blister Pack (MC = 4)

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

PAR30



You May Also Be Interested In:

ESSENTIA® BY CREE LAMP HOLDERS
Round Back Cylinder

ESSENTIA® BY CREE LAMP HOLDERS
Rear-Loading Gimbal Ring

BR30 SERIES LAMPS
LED Flood Lamp

PAR38 Series

A LAMP THAT HIGHLIGHTS AND ENHANCES WITH EASE.

The Cree® LED PAR38 lamps deliver 1500 lumens of warm 2700K and bright 3000K light and are available in multiple beam options that are ideal for highlighting merchandise and enhancing the atmosphere of any space. These lamps offer an impressive combination of greater than 80% energy savings, significant maintenance savings and eligibility for ENERGY STAR® rebates.

BENEFITS

- Multiple beam angles ideal for highlighting merchandise
- Consumes up to 80% less energy
- ENERGY STAR® qualified (3000K)
- Long-lasting, directional instant-on illumination
- Dimmable
- Compatible with Essentia® by Cree Track

FEATURES

- >80 CRI
- 90W equivalent
- 18W (2700K) or 16.5W (3000K)
- Lamp Delivered Light Output: 1500 lumens
- CCT: 2700K, 3000K
- Multiple beam angles: 27°, 47°

APPLICATIONS

- Commercial offices, hotels, restaurant, healthcare and residential applications

PAR38

PAR38 Series

Ordering Information

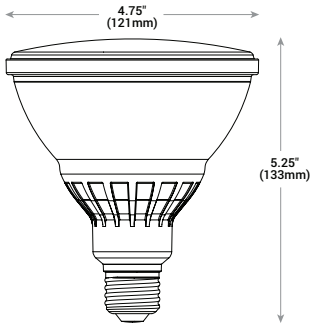
Example: PAR38-90W-30K-27D-B1

PRODUCT	WATT EQUIVALENT	CCT	BEAM SPREAD	VOLTAGE	BASE TYPE	OPTIONS	PACKAGING OPTIONS
PAR38	**90** 90 Watt (1500 lumens)	**27K** 2700K **30K** 5000K	**27D** 27D Medium Flood **47D** 47D Wide Flood	**Blank** 120V	**Blank** E26 (Screw Base)	**Blank** 80 CRI	**B1** (1) Single Blister Pack (MC = 3)

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

PAR38



You May Also Be Interested In:

ESA SERIES DOWNLIGHTS
Architectural Downlighting Solutions

CR SERIES TROFFERS
High-Efficiency, Affordable Troffers

ESSENTIA® LAMP HOLDERS
Front-Loading Gimbal Ring

TRACK LIGHTING

The Essentia® by Cree Track Lighting portfolio delivers a complete line of products backed by Cree. Well-designed and well-made to deliver exceptional track lighting, the portfolio offers more options, flexibility, energy efficiency and better lighting quality.

Essentia® by Cree LED Track Heads

p.100

- >80 CRI
- Up to 2500 lumens
- CCT: 2700K (select products), 3000K, 3500K and 4000K
- Input Power: 8W-36W
- Designed to last 30,000 to 35,000 hours

Essentia® by Cree Lamp Holders

p.102

- Superior construction
- Maintenance-free operation
- Pairs perfectly with Cree lamps

Essentia® by Cree Track and Accessories

p.104

- Ideal for general purpose track lighting
- Fixtures can be surface or pendant mounted
- Easy to cut to exact size
- 1-year limited warranty

Essentia® by Cree LED Track Heads

ON TRACK FOR EXCEPTIONAL RESULTS.

Put an end to concerns over quality and reliability in commercial track lighting. The Essentia® by Cree Track Lighting portfolio delivers a better lighting experience in a complete line of products backed by Cree. Essentia® by Cree track lighting will change your expectations of industry standards.

BENEFITS

- All heads are compatible with one- and two-circuit track systems
- Exceptional quality of light
- Easy installation
- Precision optics virtually eliminate fringing, hot spots and discoloration
- Field interchangeable reflectors (LED Flat Track Head 20°, 30°, 40°; LED Beveled Cylinder Track Head 20°, 40°) for beam control flexibility.

FEATURES

- >80 CRI
- Up to 2500 lumens
- CCT: 2700K (select products), 3000K, 3500K and 4000K
- Input Power: 8W, 36W
- Designed to last 30,000 to 35,000 hours
- Field interchangeable optics offer beam control flexibility

APPLICATIONS

- Corporate & office, petroleum & convenience store, recreation & public venues, restaurant & hospitality, retail & grocery

Flat Back

Beveled Cylinder

Mini Flat Back

Essentia® by Cree LED Track Heads

Ordering Information

Example: S-CT-BVLCYL-10L-27K-BK

PRODUCT	DESCRIPTION	INITIAL DELIVERED LUMENS	CCT	HOUSING COLOR
S-CT Essentia® by Cree Track	**BVLCYL** Beveled Cylinder	**10L** 980 Lumens	**27K** 2700K (not available with Flat Back) **30K** 3000K **35K** 3500K **40K** 4000K	**BK** Black **WH** White

PRODUCT	DESCRIPTION	INITIAL DELIVERED LUMENS	CCT	HOUSING COLOR
S-CT Essentia® by Cree Track	**FB** Flat Back	**25L** 2500 Lumens	**27K** 2700K (not available with Flat Back) **30K** 3000K **35K** 3500K **40K** 4000K	**BK** Black **WH** White

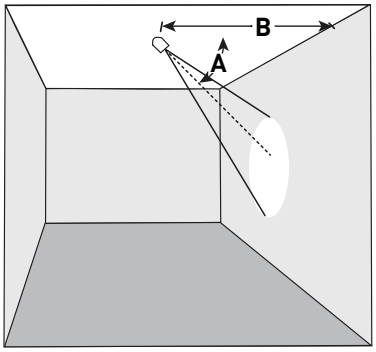
PRODUCT	DESCRIPTION	INITIAL DELIVERED LUMENS	BEAM ANGLE	CCT	HOUSING COLOR
S-CT Essentia® by Cree Track	**MFB** Mini Flat Back	**5L** 500 Lumens	**36D** 36˚	**27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K	**BK** Black **WH** White

*Ordering information is for reference only.

Dimensions

BEVELED CYLINDER	FLAT BACK	MINI FLAT BACK
6.5"H x 3.6"W x 5"D	7.3"H x 6"W x 4.5"D	5.125"H x 1.875"W x 3.44"L

Application Reference



A = Preferred 60˚ aiming angle
B = Typical track head setback of 1.5'(0.5m) - 3.0' (0.9m) from wall

You May Also Be Interested In:

ESSENTIA® BY CREE DOWNLIGHT
Full Range of Downlight Solutions

ESSENTIA® BY CREE FLAT PANEL
Ultra-Thin Design, Impressive Performance

Essentia® by Cree Lamp Holders

ON TRACK FOR EXCEPTIONAL RESULTS.

Essentia® by Cree Track Lighting offers a full selection of track, heads, gimbal rings and accessories to make building a complete track lighting solution easy. Available in one- and two-circuit track systems, with an assortment of heads, the portfolio delivers flexibility for design layouts. Essentia® by Cree Track Lighting is available in black and white finishes.

BENEFITS

- Superior construction
- Compatible with 1- or 2- circuit track
- Easy Installation
- Eliminates power loss between fixture head & track bar

FEATURES

- Maintenance-free operation
- Pairs great with Cree LED Lamps
- Line or Low voltage solutions
- Black or white polyester powder-coated finish

APPLICATIONS

- Corporate & office, petroleum & convenience store, recreation & public venues, restaurant & hospitality, retail & grocery

Low Profile Lamp Holder

Flat Back Cylinder

Round Back Cylinder

Notch Back (MR16 Low Voltage)

PAR38 Front-Loading Gimbal Ring

Rear-Loading Gimbal Ring

Essentia® by Cree Lamp Holders

Ordering Information

Example: S-CT-BVLCYL-10L-27K-BK

PRODUCT	DESCRIPTION	LAMP TYPE	VOLTAGE	HOUSING COLOR
S-CT Essentia® by Cree Track	**LPLH** Low Profile Lamp Holder	**P20/P30/P38** PAR20, PAR30, PAR38 lamps	**120V** 120 Volt	**BK** Black **WH** White

PRODUCT	DESCRIPTION	MAX. WATTAGE	LAMP TYPE	HOUSING COLOR
S-CT Essentia® by Cree Track	**FB** Flat Back Cylinder	**50W** 50 Watts **75W** 75 Watts	**R20/P20** R20 & PAR20 lamps **B30/P30L** BR30 & PAR30L lamps	**BK** Black **WH** White
	RB Round Back	**50W** 50 Watts **75W** 75 Watts	**R20/P20** R20 & PAR20 lamps **B30/PAR30L** BR30 & PAR30L lamps	

PRODUCT	DESCRIPTION	MAX. WATTAGE	LAMP TYPE	VOLTAGE	HOUSING COLOR
S-CT Essentia® by Cree Track	**FLGR** Front-Loading Gimbal Ring	**150W** 150 Watts	**P38** PAR38 lamps	**120V** 120 Volt	**BK** Black **WH** White
	RLGR Front-Loading Gimbal Ring	**50W** 50 Watts **75W** 75 Watts **150W** 150 Watts	**R20** PAR20 lamps **P30** PAR30 lamps **P38** PAR38 lamps		

PRODUCT	DESCRIPTION	MAX. WATTAGE	LAMP TYPE	TRANSFORMER	HOUSING COLOR
S-CT Essentia® by Cree Track	**NB** Notch Back	**75W** 75 Watts	MR16 MR16 lamps	**EET** Electronic External Low-Voltage Transformer	**BK** Black **WH** White

*Ordering information is for reference only.

You May Also Be Interested In:

PAR38 SERIES LAMPS
Efficient Halogen Replacement

ESSENTIA® BY CREE FLAT PANEL
Ultra-Thin Design, Impressive Performance

PAR30 SERIES LAMPS
LED Flood Lamp

Essentia® by Cree Track & Accessories

Track System

ON TRACK FOR EXCEPTIONAL RESULTS.

The Essentia® by Cree Track rails are ideal for general purpose track lighting in indoor commercial, retail, and industrial applications. Compatibility with prevalent one- and two-circuit track systems expands use options and energy-efficient LEDs enable greater track lighting capacity.

BENEFITS

- Two circuit track offers double the load capacity which allows for more fixtures per section and the ability to operate each circuit separately, giving you a total of three different schemes.
- Compatibility with prevalent one- and two-circuit track systems expands use options
- Energy-efficient LEDs enable greater track lighting capacity.

FEATURES

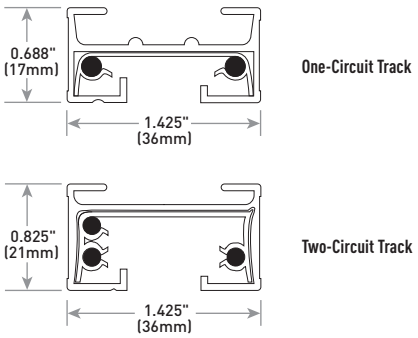
- Available in one- and two-circuit
- Available in 4', 6', and 8' track configurations
- Easy to field cut for exact sizing when needed
- Each track section includes two end caps and mounting hardware
- Features an extruded aluminum body, Lexan fittings, a Noryl insert and No. 12 AWG solid copper conductors

APPLICATIONS

- Corporate & office, petroleum & convenience store, recreation & public venues, restaurant & hospitality, retail & grocery

Dimensions

S-CT



Ordering Information

Example: S-CT-T4-1C-WH

PRODUCT	TRACK LENGTH	INITIAL DELIVERED LUMENS	HOUSING COLOR
S-CT Essentia® by Cree Track	**T4** 4 Feet of 47-11/16" **T6** 6 Feet of 71-11/16" **T8** 8 Feet of 95-11/16"	**1C** 1-Circuit **2C** 2-Circuit	**BK** Black **WH** White

*Ordering information is for reference only.

Essentia® by Cree Track & Accessories

Accessory Information

FIELD-INSTALLED

Outlet Box Cover
S-CT-OUTLET-BOX-CVR-BK
S-CT-OUTLET-BOX-CVR-WH
For use with either single- or two-circuit adjustable, "T" or "X" connectors when feeding at outlet box. White or Black

Monopoint Mounting
S-CT-MTG-MONOPT-BK
S-CT-MTG-MONOPT-WH
Mounts directly to any outlet box. Not for use with low voltage fixtures with external power supplies. Black or White finish

Pendant Adaptor
S-CT-ADPT-PENDANT-BK
S-CT-ADPT-PENDANT-WH
To support chain-hung fixtures up to 10 pounds. 3/8" wiring hole. 5A max, 600 watts. Not UL Listed.

T-BAR Attachments Clips (Drop Tile)
S-CT-TBAR-1IN-DRP-TILE-4PK
S-CT-TBAR-9/16-DRP-TILE-4PK
Fastens track to 9/16" or 1" inverted tee with drop tiles. One required for each 2' of track. 4 per package.

T-BAR Attachments Clips (Flush Tile)
S-CT-TBAR-1IN-FLSH-TILE-4PK
S-CT-TBAR-9/16-FLSH-TILE-4PK
Fastens track to 9/16" or 1" inverted tee with flush tiles. One required for each 2' of track. 4 per package.

Cord & Plug Feed
S-CT-FEED-CRD-PLG-1C-BK
S-CT-FEED-CRD-PLG-1C-WH
For use with one-circuit track. Feed comes with 15-foot cord and 3-prong straight blade plug. 6-amp capacity. Not UL listed. White or Black

Accessory Information

FEEDS & CONNECTORS

Mini Straight Connector
S-CT-CNCTR-M-STRGHT-1C-BK
S-CT-CNCTR-M-STRGHT-1C-WH
S-CT-CNCTR-M-STRGHT-2C-BK
S-CT-CNCTR-M-STRGHT-2C-WH
Connects two track sections end-to-end. White or Black

Adjustable Connector/Feed
S-CT-CNCTR/FEED-ADJ-1C-BK
S-CT-CNCTR/FEED-ADJ-1C-WH
S-CT-CNCTR/FEED-ADJ-2C-BK
S-CT-CNCTR/FEED-ADJ-2C-WH
Adjusts to connect two track sections either at a 90-degree angle or a straight run. 1/2" knockout provided for through ceiling conduit. White or Black

Cord & Plug Feed
S-CT-FEED-CRD-PLG-1C-BK
S-CT-FEED-CRD-PLG-1C-WH
For use with one-circuit track. Feed comes with 15-foot cord and 3-prong straight blade plug. 6-amp capacity. Not UL listed. White or Black

Conduit Feed
S-CT-FEED-CONDUIT-1C-BK
S-CT-FEED-CONDUIT-1C-WH
S-CT-FEED-CONDUIT-2C-BK
S-CT-FEED-CONDUIT-2C-WH
S-CT-FEED-CONDUIT-1C-REV-BK
S-CT-FEED-CONDUIT-1C-REV-WH
S-CT-FEED-CONDUIT-2C-REV-BK
S-CT-FEED-CONDUIT-2C-REV-WH
Accepts 1/2" conduit (male threaded) fitter for surface wiring. White or Black. REVERSE POLARITY available.

"T" Connector/Feed
S-CT-CNCTR/FEED-T-1C-BK
S-CT-CNCTR/FEED-T-1C-WH
S-CT-CNCTR/FEED-T-2C-BK
S-CT-CNCTR/FEED-T-2C-WH
S-CT-CNCTR/FEED-T-1C-REV-BK
S-CT-CNCTR/FEED-T-1C-REV-WH
S-CT-CNCTR/FEED-T-2C-REV-BK
S-CT-CNCTR/FEED-T-2C-REV-WH
Joins three track sections. White or Black. REVERSE POLARITY available.

Outlet Box Feed
S-CT-FEED-OUTLET-BOX-1C-BK
S-CT-FEED-OUTLET-BOX-1C-WH
S-CT-FEED-OUTLET-BOX-2C-BK
S-CT-FEED-OUTLET-BOX-2C-WH
S-CT-FEED-OUTLET-BOX-1C-REV-BK
S-CT-FEED-OUTLET-BOX-1C-REV-WH
S-CT-FEED-OUTLET-BOX-2C-REV-BK
S-CT-FEED-OULET-BOX-2C-REV-WH
End feeds comes with outlet box cover and mounting strap. White or Black. REVERSE POLARITY available.

End Feed
S-CT-FEED-END-1C-BK
S-CT-FEED-END-1C-WH
S-CT-FEED-END-2C-BK
S-CT-FEED-END-2C-WH
S-CT-FEED-END-1C-REV-BK
S-CT-FEED-END-1C-REV-WH
S-CT-FEED-END-2C-REV-BK
S-CT-FEED-END-2C-REV-WH
Allows feed from above with Romex, Greenfield or conduit. White or Black. REVERSE POLARITY available.

"X" Connector/Feed
S-CT-CNCTR/FEED-X-1C-BK
S-CT-CNCTR/FEED-X-1C-WH
S-CT-CNCTR/FEED-X-2C-BK
S-CT-CNCTR/FEED-X-2C-WH
Joins four track sections. White or Black

Floating Feed
S-CT-FEED-FLOATING-1C-BK
S-CT-FEED-FLOATING-1C-WH
S-CT-FEED-FLOATING-2C-BK
S-CT-FEED-FLOATING-2C-WH
Mounts to outlet box to provide power feed at any point on track. Includes mounting hardware. White or Black

T-BAR End Feed
S-CT-FEED-TBAR-END-1C-BK
S-CT-FEED-TBAR-END-1C-WH
S-CT-FEED-TBAR-END-2C-BK
S-CT-FEED-TBAR-END-2C-WH
T-Bar mounted track. Joins two track sections for either 90-degree angle or straight run. Three 1/2" knockouts. White or Black

T-BAR Adjustable Connector/Feed
S-CT-CNCTR-TBAR-ADJ-1C-BK
S-CT-CNCTR-TBAR-ADJ-1C-WH
S-CT-CNCTR-TBAR-ADJ-2C-BK
S-CT-CNCTR-TBAR-ADJ-2C-WH
T-Bar mounted track. Joins two track sections for either 90-degree angle or straight run. Three 1/2" knockouts. White or Black

You May Also Be Interested In:

ESSENTIA® BY CREE TRACK HEADS
Exceptional Light Quality

ESSENTIA® BY CREE LAMP HOLDERS
Easy Installation

PAR30 SERIES LAMPS
LED Flood Lamp

INTELLIGENT LIGHT SOLUTIONS

At Cree, innovation doesn't stop at our world-class LED luminaires because we aim to deliver so much more. Cree's intelligent light solutions provide a combination of extreme energy productivity and code compliance that's so intuitive and simple, it just works.

CREE
SMARTCAST® TECHNOLOGY

WORKS LIKE MAGIC. IN A SCIENTIFIC SORT OF WAY.

Cree SmartCast® Technology is the most intuitive and easiest to install intelligent light solution on the market. SmartCast Technology delivers up to 70% energy savings at up to half the cost of other solutions. Luminaires combine best-in-class light with onboard sensors and intelligence to deliver extreme energy productivity, code compliance and a better light experience without any extra design, installation or setup work.

Cree SmartCast® Technology

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- Intelligent by design
- Intuitive implementation
- Scalable for BMS and IoT integration
- Up to 70 percent reduction in energy consumption over traditional fluorescent luminaires
- Half the cost of traditional lighting controls
- Compliant with emerging code requirements throughout US & Canada
- 5-year warranty

LUTRON EcoSystem® Enabled

LED CONTROLS

At Cree, we aim to deliver enhanced performance and savings from your entire lighting system. That's exactly what our embedded digital control options offer – intelligent, fully-integrated solutions.

Lutron EcoSystem® Enabled

p.112

- Compatible with CR Series troffers and KR Series downlights
- Enables continuous dimming
- Robust set of control capabilities

Cree SmartCast® Technology - Wireless

CREE

SMARTCAST® TECHNOLOGY

lighting.cree.com/SmartCast

BETTER LIGHT DELIVERED INTELLIGENTLY AND SIMPLY.

With Cree SmartCast® Technology, we've totally redefined intelligent lighting by making it so intuitive and simple, it just works. It does what intelligent light should: it saves you money while helping make your whole enterprise more productive. Cree luminaires and dimmers enabled with SmartCast® Technology deliver essential lighting control without the complex design, installation and setup of today's lighting control systems. Integrated ambient and occupancy sensing and wireless communication are incorporated to deliver exceptional lighting performance, achieve additional energy savings over non-controlled solutions and extend product life. An added bonus: the CR Series troffers with Cree SmartCast® Technology offer field-adjustable color temperatures that simplify projects by allowing one troffer to be used in any space regardless of color temperature preference.

BENEFITS

- Intuitive and effortless installation and setup easily commissions and connects up to 250 lights with the touch of a button
- Better light that adapts to the user
- Deep energy savings – combined with strategies like daylight harvesting, occupancy sensing and optional task tuning cut lighting bills by up to 70%
- Up to half the installed cost of traditional lighting control systems
- Greatly simplified daylight harvesting, motion sensing, adaptive lighting and dimming without third-party-devices or additional wires
- Eliminates the painstaking and error-prone process of manually commissioning each light

FEATURES

- Fully-integrated solution with user-driven design and engineering
- Innovative OneButton™ Setup automatically creates a lighting network and intelligently groups lights together
- Secure, wireless communication
- Integral ambient light and motion sensors
- Daylight harvesting and motion sensing
- Compatible with CR Series troffers, ZR Series troffers, CS Series linear luminaires, KR Series downlights and LN Series suspended ambient luminaires
- Enables continuous dimming
- Field-adjustable color temperatures with CR Series troffers

Cree SmartCast® Technology - Wireless

CR Series Troffers with SmartCast® Technology

Example: CR22-32L-ACK-CMA

PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL	OPTIONS
CR24 2'x4' Lay-in **CR14** 1'x4' Lay-in **CR22** 2'x2' Lay-in	**32L** 32W 3200 Lumens - 100 LPW 35W 3200 Lumens - 90 LPW **40L** 40W 4000 Lumens - 100 LPW **40L HE** 30.5W 4000 Lumens - 131 LPW (30K) 32W 4000 Lumens - 125 LPW (35K) 33W 4000 Lumens - 121 LPW (40K) 34.5W 4000 Lumens - 116 LPW (50K)	**30K** 3000K **35K** 3500K **40K** 4000K **50K** 5000K **ACK** Adjustable CCT: 3000K-5000K - Available only with 40L - Factory set at 4000K - Adjustable in 500K increments	**Blank** 120-277V	**CMA** Cree SmartCast® Technology - Integral motion and ambient sensors and wireless communication	**EB10W** Emergency Battery Backup - 32L-ACK: 1,000 lumens - 40L-ACK: 1,000 lumens - 40LHE-30K: 1,300 lumens - 40LHE-35K: 1,250 lumens - 40LHE-40K: 1,200 lumens - 40LHE-50K: 1,150 lumens

ZR Series Troffers with SmartCast® Technology

Example: ZR22-32L-35K-CMA

PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL	OPTIONS
ZR22 2'x2' Lay-in **ZR14** 1'x4' Lay-in **ZR24** 2'x4' Lay-in	**32L** 35W, 3200 Lumens - 90 LPW **40L** 44W, 4000 Lumens - 90 LPW	**35K** 3500K **40K** 4000K	**Blank** 120 -277 Volts	**CMA** Cree SmartCast® Technology - Integral motion and ambient sensors and wireless communication	**EB14** Emergency Backup - 1,400 lumens - Available on US versions only

LN Series Suspended Ambient with SmartCast® Technology

Example: LN4-34L-35K

PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL
LN4™	**34L** 30W 3400 Lumens - 115 LPW	**35K** 3500K **40K** 4000K	**Blank** 120-277V	**CMA** Cree SmartCast® Technology - Controls ready with integral motion and ambient sensors

KR Series Architectural Downlights with SmartCast® Technology

Example: KR4-20L-35K-120V-10R-EB7

PRODUCT	REFLECTOR	LUMEN OUTPUT	OPTIC	COLOR TEMP.	VOLTAGE	CONTROL	OPTIONS
KR6 6" **KR4** 4"	**Blank** Round	**9L** up to 700 Delivered Lumens **13L** up to 1100 Delivered Lumens **20L** up to 1700 Delivered Lumens **30L** up to 2550 Delivered Lumens **40L** 44W, up to 3350 Delivered Lumens	**Blank** 70° Beam Angle	**27K** 2700K - 9L thru 40L Only **30K** 3000K **35K** 3500K **40K** 4000K **50K** 5000K - Available on 40L only	**120V** 120 Volts **277V** 277 Volts	**10R** Cree SmartCast® Technology - Includes control module and motion and ambient sensors	**EB7** Emergency Backup - Minimum 90 minutes - 120V, 277V only - Minimum operating temperature: 0°C (32°F)

CS Series Linear Luminaires with SmartCast® Technology

Example: CS18-80LHE-35K-CMA

PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL
CS18 1'x8' Linear **CS14** 1'x4' Linear	**38L** 3800 Lumens - 100 LPW **40LHE** 4000 Lumens - up to 115 LPW **75L** 7500 Lumens - 100 LPW **80LHE** 8000 Lumens - 115 LPW	**35K** 3500K **40K** 4000K	**Blank** 120-277V	**CMA** Cree SmartCast® Technology - Integral motion and ambient sensors and wireless communication

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

APPLICATIONS

- Ideal for corporate campus, hospitality, education, commercial and government applications

You May Also Be Interested In:

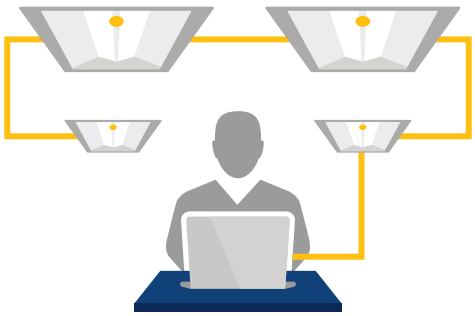
CR SERIES TROFFERS
High-Efficiency, Affordable Troffers

ZR SERIES TROFFERS
High-Efficiency, Affordable Troffers

CS SERIES LINEAR
Commercial Linear Solutions

KR SERIES DOWNLIGHTS
Effective, Efficient LED Retrofit Downlights

Cree SmartCast® Power Over Ethernet (PoE) Technology



CREE

SMARTCAST® TECHNOLOGY

lighting.cree.com/SmartCast

BETTER LIGHTING AND BIGGER SAVINGS.

SmartCast® Power over Ethernet (PoE) technology provides beautiful, comfortable and adaptive illumination with greatly simplified lighting controls. You'll cut energy costs up to 70 percent while saving money, improving aesthetics, lowering TCO and making your entire enterprise more productive. Cree SmartCast® PoE technology seamlessly integrates hardware, software and the user experience into an intuitively simple and powerful lighting intelligence platform that saves time, money and up to 70% on energy.

BENEFITS

- So simple, it just works - easily commission up to 1,000 lights with the push of a button
- Effortless installation and management of Internet-enabled fixtures into a configurable network
- Code-compliant solution for advanced energy savings delivering up to 70 percent energy reduction
- Control lighting settings from a central location
- Real-time data for real-time productivity via easy-to-use dashboards for instant control and analytics
- Learns and adapts to people and spaces, tailoring experiences for more comfort and productivity
- Standards-based API that's fully enabled to securely connect with building management systems, enterprise-wide networks and the Internet
- Scales up for advanced energy management, richer BMS integration and connection to the IoT
- Greater efficiency, control and interaction to create cost savings and better light experiences
- Increases property values, lowers TCO and improves aesthetics, comfort and productivity

FEATURES

- Intuitive, automatic setup with the push of a single button
- Integrated lighting controls with motion sensing, daylight harvesting, task tuning and real-time visibility into energy usage
- Robust, secure communication supporting distributed intelligence
- Digital framework for connecting to other systems — HVAC, security and more — for vastly greater efficiency, control and user interaction
- Cree SmartCast® Manager – PC application with easy-to-use dashboards for simple setup, instant control and analytics to maximize the energy savings
- Cree SmartCast® API – secure, open standards-based interface for building software applications that integrate SmartCast® luminaires with third-party applications, extending features and value to end users
- Easily scales your intelligent lighting strategy from essential control to whatever IoT brings next

Cree SmartCast® Power Over Ethernet (PoE) Technology

CR Series Troffers with SmartCast® Technology

Example: CR24-40L-ACK-PoE

PRODUCT	LUMEN OUTPUT	CCT	PLATFORM
CR24 2'x4' Lay-in **CR14** 1'x4' Lay-in **CR22** 2'x2' Lay-in	**32L** Configurable from 160 to 3,200 lumens **40L** Configurable from 200 to 4,000 lumens	**ACK** Adjustable CCT: 3000K-5000K - Default = 4000K - Adjustable in 500K increments	**PoE** Power Over Ethernet - SmartCast POE

Dimmer for SmartCast® PoE

Example: CWD-PoE-WH

PRODUCT (CREE WALL DIMMER)	CONTROL	COLOR
CWD	**PoE** SmartCast® PoE Technology	**WH** White

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

APPLICATIONS

- Currently compatible with CR Series troffers and KR Series downlights
- Ideal for corporate campus, hospitality, education, commercial and government applications

You May Also Be Interested In:

CR SERIES TROFFERS
High-Efficiency, Affordable Troffers

ZR SERIES TROFFERS
High-Efficiency, Affordable Troffers

CS SERIES LINEAR
Commercial Linear Solutions

KR SERIES DOWNLIGHTS
Effective, Efficient LED
Retrofit Downlights

Lutron EcoSystem® Enabled

SUPERIOR QUALITY AND PERFORMANCE ADVANTAGES, PLUS SCALABLE SAVINGS SOLUTIONS.

Lutron EcoSystem® Enabled Cree® LED luminaires are 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.

BENEFITS

- Guaranteed compatibility
- Simplified installation and commissioning
- Increased savings by 70 percent compared to baseline*
- Increased lifetime by 50 percent compared to baseline*
- Improved end-user experience

FEATURES

Control capabilities include:

- Continuous dimming to 5 percent
- High-end trim
- Personal control
- Occupancy sensing
- Light level scheduling
- Daylight harvesting
- Demand response

APPLICATIONS

- Currently compatible with CR Series troffers and light engines and KR Series downlights
- Ideal for healthcare, hospitality, education, commercial and government applications

*Consult www.Lutron.com for details.

Lutron EcoSystem® Enabled

Ordering Information for Lutron EcoSystem® Enabled CR Series Troffers

Example: CR22-20L-30K-S-EB14

PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL	OPTIONS
CR24 2'x4' Lay-in **CR14** 1'x4' Lay-in **CR22** 2'x2' Lay-in	**20L** 22W 2000 Lumens - 90 LPW **22L** 22W 2200 Lumens - 100 LPW (35K, 40K) **31L** 34W 3100 Lumens - 90 LPW **32L** 32W 3200 Lumens - 100 LPW **40L** 40W 4000 Lumens - 100 LPW **40L HE** 30.5W 4000 Lumens - 130 LPW (30K) 32W 4000 Lumens - 125 LPW (35K) 33W 4000 Lumens - 120 LPW (40K) 34.5W 4000 Lumens - 115 LPW (50K) **50L** 50W 5000 Lumens - 100 LPW	**30K** 3000K **35K** 3500K **40K** 4000K **50K** 5000K	**Blank** 120-277V **347 Volt** Integrated option available on 40L only. Other types require addition of a 347 accessory kit	**S** Step dimming to 50% **10V** 0-10V dimming to 5% **LES** Lutron EcoSystem® Enabled to 5%	**HD** CRI 80+ (44W 4000 lumens - 90 LPW) - Available only with 40L **EB144,5** EB144,5 Emergency Backup - 1400 lumens - Not for use with SMK Kits. Use EB14 SMK **EB14SMK4,5** EB14SMK4,5 Emergency Backup with surface mount kit – 1400 lumens - Includes surface mount kit accessory

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

You May Also Be Interested In:

ZR SERIES TROFFERS
High-Efficiency, Affordable Troffers

CS SERIES LINEAR
Commercial Linear Solutions

LS SERIES
Commercial-Grade Linear Solutions

OUTDOOR LED PRODUCTS

Cree luminaires provide improved illumination performance, consume less energy and require less maintenance than traditional lighting solutions. In fact, many BetaLED® Technology advancements have shaped what is standard in the LED lighting industry today.

LED AREA

OSQ Series
Area p.120

XSP Series
Area p.122

XSP Series High Output
Area p.124

Cree Edge™ Series
Area Square / Area Round p.126

Cree Edge™ Series High Output
Area p.128

Cree Edge™ Series
Pathway p.130

LED STREET & ROADWAY

RSW Series
Small p.134

RUL Series
Rural Utility p.136

XSP Series
XSP1™ / XSP2™ / XSPR™ p.138

XSP Series High Output
XSP1™ / XSP2™ / XSPR™ p.140

LED STREET & ROADWAY

LEDway® Series
HT Mount p.142

LEDway® Series High Output
Single / Double p.144

Cree Edge™ Series
Transportation Mount p.146

LED DECORATIVE STREET & ROADWAY

DPT Series
Post-Top Luminaire p.150

LED Upgrade Kit
Traditional Post-Top Upgrade Kit p.152

LED CANOPY & SOFFIT

CPY Series
Direct Mount p.156

228 Series™
Recessed & Remodel Mounts p.158

304 Series™
Recessed Mount p.160

Cree Edge™ Series
Surface Mount p.162

LED PARKING STRUCTURE

IG Series
Parking Structure p.166

304 Series™
Parking Structure p.168

VG Series
Parking Structure p.170

LED FLOOD

OSQ Series
Flood p.174

Cree Edge™ Series
High Output Flood / Flood Square p.176

304 Series™
Flood p.178

OL Series™
Linear Flood p.180

LED WALL MOUNT

XSP Series
Wall Pack p.184

Cree Edge™ Series
Wall Pack p.186

OUTDOOR APPLICATIONS

Cree® outdoor luminaires offer significant energy and maintenance savings compared to traditional light sources and provide a budget-sensitive alternative to help stretch your outdoor lighting budget.

Airports

Cree® luminaires lower energy consumption and costs, reduce maintenance expenses and provide a tremendous improvement in lighting performance at airports throughout the world.

Auto Dealerships

Showcase your dealership and attract more customers with beautiful LED lighting.

Corporate & Office

For corporations planning newly-constructed or renovated campuses, Cree is the lighting product of choice for up to 80 percent energy savings and contributions toward LEED credits from the U.S. Green Building Council.

Education

The U.S. Green Building Council sees school construction and renovation as a sector that has potential for tremendous energy savings by implementing environmental solutions. Schools and universities looking for sustainable lighting alternatives are selecting Cree.

Government & Municipal

Cree products can help you meet your high-performance building goals through energy reduction and maintenance elimination.

Healthcare

With healthcare ranking as the second largest energy consumer in the U.S., the industry is turning toward energy-saving sources like Cree efficient luminaires to meet Department of Energy initiatives.

Pedestrian & Recreation

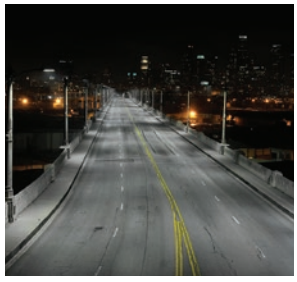
Illuminated walkways are energy-efficient, architecturally pleasing and create a safe environment.

Petroleum & C-Store

Petroleum stations are attracting customers with improved Cree lighting that creates an inviting environment with dramatically better visibility and the added benefit of tremendous energy savings.

Retail & Hospitality

Cree luminaires are the ideal solution for multiple location franchise installations because they offer the versatility of optical selections and upgradable modular LED light bars to meet different lighting ordinances.

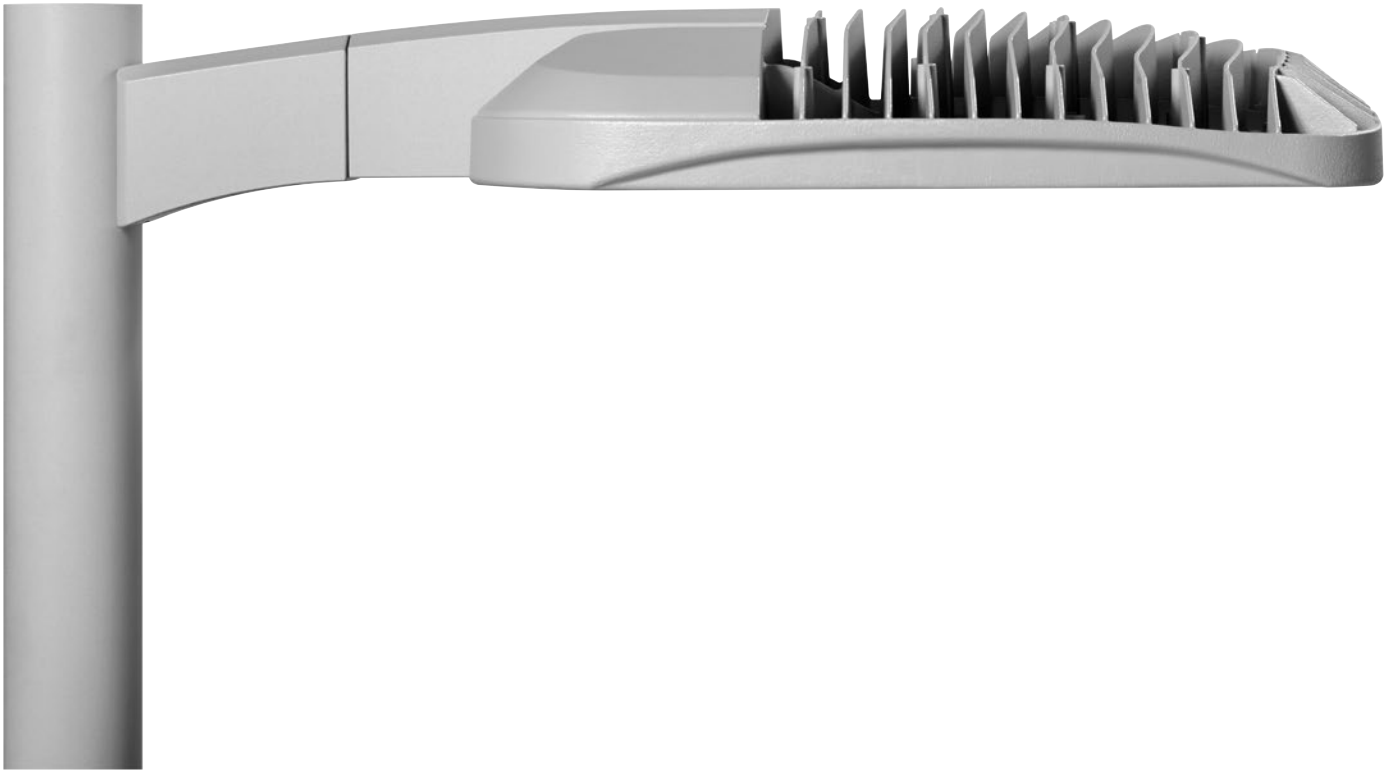


Street & Roadway

Offering an unmatched range of lumen and optical packages for streets and roadways, Cree has the versatility needed to provide exceptional value on most streets.

LED AREA

A space can be transformed with the right outdoor area lighting. Cree's modular design and multiple choices of power condition offer the ability to fine-tune a solution that provides precisely the right amount of light in precisely the right location, all with unmatched value and energy efficiency.



OSQ Series

p.120

- CRI: 70 CRI (4000K & 5700K; 3000K asymmetric optics); 80 CRI (3000K symmetric optics)
- CCT: 3000K (+/- 300K), 4000K (+/- 300K), 5700K (+/- 500K)
- Lumen Range: 7,644 - 28,285
- cULus Listed
- Utilizes NanoOptic® Technology
- Adjustable or Direct Mount

XSP Series

p.122

- Minimum 70 CRI
- CCT: 3000K (+/-300), 4000K (+/-300K), 5700K (+/-500K)
- NanoOptic® Precision Delivery Grid™ optic
- Single or double modules
- cULus Listed suitable for wet locations
- Designed with 0–10V dimming capabilities

XSP Series High Output

p.124

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- NanoOptic® Precision Delivery Grid™ optic
- UL wet listed
- Increased lumen output

Cree Edge™ Series

p.126

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL wet listed
- Two-level options
- Modular, low-profile design

Cree Edge™ High Output

p.128

- Minimum 70 CRI (4000K & 5700K); 90 CRI (5000K)
- CCT: 4000K (+/- 300K), 5000K (+/- 300K), 5700K (+/- 500K)
- Utilizes Cree TrueWhite® Technology on 5000K Luminaires
- UL wet listed
- Slim, low profile design

Cree Edge™ Series Pathway

p.130

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL wet listed
- Two-level options
- Multiple heights available

OSQ Series Area

ADVANCING LIGHT THROUGHOUT YOUR SITE.

The OSQ Series blends extreme optical control, advanced thermal management and light quality to bring you the latest advancements in LED technology. And we didn't stop there — we added a clean, modern housing and versatile mounting options all with an attractive price point. Whether you have a new construction or upgrade application, the OSQ Series is perfect for parking lots, internal roadways and general site lighting.

BENEFITS

- Suitable upgrade for HID applications up to 1000 Watts
- Versatile mounting configurations offer simple installation
- Slim, low-profile design minimizes wind load requirements
- Improved energy and maintenance savings
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI (4000K & 5700K; 3000K asymmetric optics); 80 CRI (3000K symmetric optics)
- CCT: 3000K (+/- 300K), 4000K (+/- 300K), 5700K (+/- 500K)
- Utilizes NanoOptic® Technology
- cULus Listed

APPLICATIONS

- Airport, Auto Dealership, Corporate & Office, Education, Government, Healthcare, Municipal, Pedestrian, Petroleum & Convenience Stores, Recreation & Public Venues, Restaurants & Hospitality, Retail & Grocery

OSQ™ Area with DA Mount

OSQ™ Area with AA Mount

OSQ Series Area

Ordering Information

Example: **Mount**: OSQ-AA-SV + **Luminaire**: OSQ-A-NM-2ME-A-40K-UL-SV

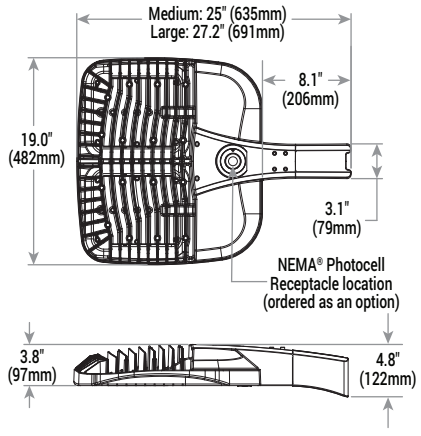
MOUNT		COLOR OPTIONS	
OSQ-AA Adjustable Arm	**OSQ-DA** Direct	**BK** Black **BZ** Bronze	**SV** Silver **WH** White

PRODUCT	VERSION	MOUNTING	OPTIC	INPUT POWER DESIGNATOR	CCT	VOLTAGE	COLOR OPTIONS	OPTIONS
OSQ	**A**	**NM** No Mount	**ASYMMETRIC:** **2ME** Type II Medium **3ME** Type III Medium **4ME** Type IV Medium	**A** 112W **(Medium)** **J** 168W **(Medium)** **S** 223W **(Large)** **U** 215W **(Large)**	**30K** 3000K **40K** 4000K **57K** 5700K	**UL** Universal 120–277V **UH** Universal 347–480V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**DIM** 0-10V Dimming **F** Fuse **ML** Multi-Level **PML** Programmable Multi-Level, 20'-40' Mounting **PML2** Multi-Level, 10'-30' Mounting Height **Q9** Field Adjustable Output **R** NEMA® Photocell Receptacle **RL** Rotate Left **RR** Rotate Right
			SYMMETRIC: **5ME** Type V Medium **5SH** Type V Short	**B** 86W (Medium) **K** 130W (Medium) **T** 171W (Large) **U** 215W (Large)				

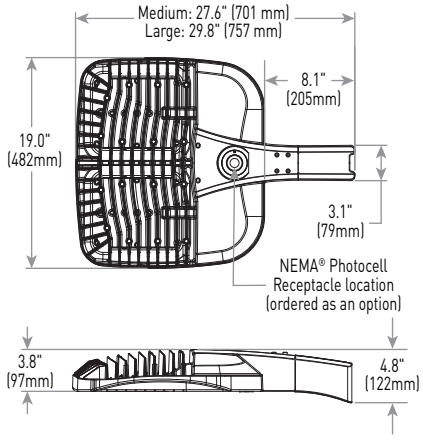
*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.
* Available with Backlight Shield when ordered with field-installed accessory

Dimensions

OSQ SERIES AREA - DM MOUNT



OSQ SERIES AREA - AA MOUNT



Accessory Information

BACKLIGHT SHIELD

OSQ-BLSMF – Front facing optics
OSQ-BLSMR – Rotated optics

HAND-HELD REMOTE

XA-SENSREM for PML Option

You May Also Be Interested In:

TRADITIONAL POST-TOP UPGRADE KIT
Easily Convert Decorative Street Lights to LED

XSP SERIES WALL PACK
Affordable Site Lighting Solutions

OSQ SERIES FLOOD
Flood Lighting Solutions

XSP Series Area

MAKING THE SWITCH TO LED LIGHTING IS AN EASY DECISION.

Designed to replace up to 400W metal halide pole-mounted area lights, the Cree XSP Series Area light provides an excellent alternative to traditional HID lighting with superior optical control to put the light exactly where it needs to go. The XSP Area leverages Cree's innovative technology, developed for the industry-leading XSP Series street lights, offering customers a premier area lighting solution covered by a 10-year limited warranty.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Field Adjustable Output option for increased flexibility
- 10-year limited warranty

FEATURES

- Minimum 70 CRI (4000K & 5700K); 80 CRI (3000K)
- CCT: 3000K (+/-300K), 4000K (+/-300K), 5700K (+/-500K)
- NanoOptic® Precision Delivery Grid™ optic
- Exclusive Colorfast DeltaGuard® Finish

APPLICATIONS

- Airport, auto dealership, corporate & office, education, government, healthcare, industrial & warehouse, municipal, parking, pedestrian, petroleum & convenience stores, recreation & public venues, restaurants & hospitality, retail & grocery

XSP1™ Area

XSP2™ Area

XSP Series Area

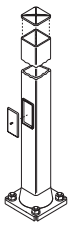
Ordering Information

Example: BXSP-B-HT-2ME-A-40K-UL-SV

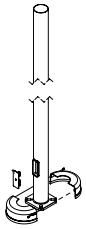
PRODUCT	VERSION	MOUNTING	OPTIC	INPUT POWER DESIGNATOR	CCT	VOLTAGE	COLOR OPTIONS	OPTIONS
BXSP	**B** 2 @ 53W **C** 2 @ 101W	**HT** Horizontal Tenon	**2ME*** Type II Medium **2LG*** Type II Long **3ME*** Type III Medium **4ME*** Type IV Medium **5ME** Type V Medium **5SH** Type V Short	**A** 53W (XSP1, B) **B** 101W (XSP2, B) **E** 101W (XSP1, C) **F** 139W (XSP2, C)	**30K** 3000K **40K** 4000K **57K** 5700K	**UL** Universal 120–277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver	**ML** Multi-Level **N** Utility Label and NEMA® Photocell Receptacle **Q9** Field Adjustable Output **R** NEMA® Photocell Receptacle

Poles & Tenon Options

POLE SPECIFICATION



PS
Crown-Weld® Square Straight Steel Poles



PS5R
Round Steel Poles

PSRV
Round Tapered Steel Poles

HORIZONTAL TENON OPTIONS

* Specify mounting configuration

PD-*H4
Square Internal Mount
Mounts to 4" (102mm) square aluminum or steel poles

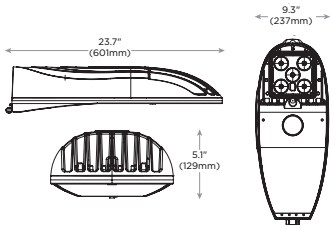
PT-*H
Round External Mount
Mounts to 2-3/8 – 3" (60 – 76mm) round aluminum or steel poles

WM-2L
Wall Mount

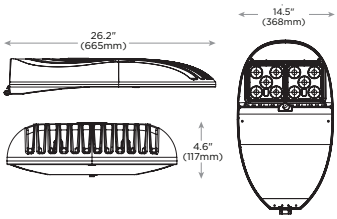
XA-TMDA8
Direct Arm Pole Adaptor Bracket
Mounts to 3 – 6" (76 – 152mm) round or square aluminum or steel poles

Dimensions

XSP1™ (SINGLE-MODULE)

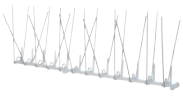


XSP2™ (DOUBLE-MODULE)



Accessory Information

BIRD SPIKE OPTIONS*



XA-SP1BRDSPK
(single-module)
XA-SP2BRDSPK
(double-module)

BACKLIGHT CONTROL SHIELD OPTIONS

Provides 1/2 Mounting Height Cutoff
XA-SP1BLS (for use with single-module)
XA-SP2BLS (for use with double-module)

FOUR POINT MOUNTING KIT

XA-XSP4PTMNT
Includes large bracket for mounting to 2" (51mm) IP, 2.375" (60mm) O.D. tenon, small bracket for mounting to 1.25" (32mm) IP, 1.66" (42mm) O.D. tenon and mounting bolts

You May Also Be Interested In:

OSQ SERIES AREA
Low-Profile Area Lighting Solutions

XSP SERIES WALL PACK
Affordable Site Lighting Solutions

DPT SERIES
POST-TOP LUMINAIRE
Easily Convert Decorative Street Lights to LED

XSP Series Area High Output

GET MORE FOR LESS.

The XSP High Output Series delivers up to 18,523 lumens with incredible efficacy – up to 116LPW. In addition to substantial energy and maintenance savings, the XSP High Output Series achieves better optical control with the NanoOptic® Precision Delivery Grid™ optic over incumbent area lighting solutions from 70W up to 250W. Expanding Cree's innovative technology used in the XSP Series, the XSP High Output Series provides the illumination performance you need and trust.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Smart-city ready for increased flexibility
- 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- NanoOptic® Precision Delivery Grid™ optic
- Exclusive Colorfast DeltaGuard® Finish
- Traditional cobra head appearance
- UL wet listed

APPLICATIONS

- Government & municipal, roadway

XSP1™ Area

XSP2™ Area

XSP Series Area High Output

Ordering Information

Example: BXSP1-HO-HT-2ME-100W-40K-UL-SV

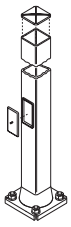
PRODUCT	MOUNTING	OPTIC	INPUT POWER	CCT	VOLTAGE	COLOR OPTIONS	OPTIONS
BXSP1-HO	**HT** Horizontal Tenon	**2ME*** Type II Medium **2LG*** Type II Long **3ME*** Type III Medium **4ME*** Type IV Medium	**100W** 100W (XSP1-HO) **165W** 165W (XSP2-HO)	**40K** 4000K **57K** 5700K	**UL** Universal 120–277V	**BK** Black **BZ** Bronze **SV** Silver	**N** Utility Label and NEMA Photocell Receptacle **Q9** Field Adjustable Output **R** NEMA Photocell Receptacle
BXSPR-HO	**HT** Horizontal Tenon	**2ME*** Type II Medium **2LG*** Type II Long **3ME*** Type III Medium **5SH** Type V Short (60W only)	**60W** 60W **80W** 80W	**40K** 4000K **57K** 5700K	**UL** Universal 120–277V	**SV** Silver	**N** Utility Label and NEMA Photocell Receptacle

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.
**Available with Backlight Shield when ordered with field-installed accessory

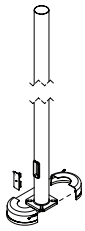
Mounting Options

POLE SPECIFICATION

Consult factory for more information.



PS
Crown-Weld® Square Straight Steel Poles



PS5R
Round Steel Poles

PSRV
Round Tapered Steel Poles

TENONS & BRACKETS

PD-*H4
Square Internal Mount Horizontal Tenons (Steel) - Mounts to 4" (102mm) square aluminum or steel poles

PT-*H
Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375"-3" (60-76mm) O.D. round aluminum or steel poles or tenons

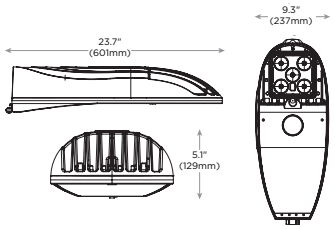
WM-2L
Extended Horizontal Wall Mount Bracket - Mounts to wall, roof or side of wood pole

XA-TMDA8
Direct Arm Pole Adaptor Bracket - Mounts to 3 – 6" (76 – 152mm) round or square aluminum or steel poles

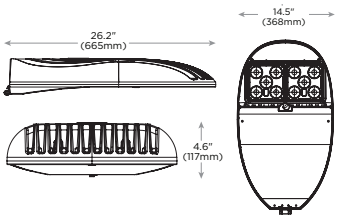
* Specify mounting configuration.

Dimensions

XSP1™ (SINGLE-MODULE)



XSP2™ (DOUBLE-MODULE)



Accessory Information

BIRD SPIKE OPTIONS	BACKLIGHT CONTROL SHIELD OPTIONS
XA-SP1BRDSPK** (single-module) **XA-SP2BRDSPK**** (double-module)	Provides 1/2 Mounting Height Cutoff **XA-SP1BLS** (for use with single-module) **XA-SP2BLS** (for use with double-module) **XA-SPR3BLS** (for use with XSPR, 60W) **XA-SPRBLS** (for use with XSPR, 80W)

**does not apply to XSPR.

You May Also Be Interested In:

DPT SERIES
POST-TOP LUMINAIRE
Easily Convert Decorative Street Lights to LED

LEDWAY® SERIES
STREET LIGHTS
Versatile Street Light Solutions

XSP SERIES AREA
Area Lighting Solutions

Cree Edge™ Series Pole-Mounted

THE PRODUCT THAT HELPED START A REVOLUTION.

Successfully launched in 2007, Cree Edge™ Area luminaires helped set the standard for performance and value. Available in a variety of LED counts, multiple power conditions and optical distributions, Cree Edge™ Area luminaires offer a scalable solution that provides exacting illumination performance. And with several upgrade-friendly mounts to choose from, product advances and the expansion of the line that now includes a truly high output solution, Cree Edge™ Area luminaires offer more value and versatility today than ever before.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI (4000K, 5700K)
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL wet listed
- Meets Buy American requirements within ARRA
- Optional backlight cutoff shield
- Modular, low-profile design

APPLICATIONS

- Airport, auto dealership, corporate & office, education, government & municipal, healthcare, industrial & warehouse, pedestrian & recreation, petroleum & convenience store, restaurant & hospitality, retail & grocery

Cree Edge™ LTG Area

Cree Edge™ Area Round

Cree Edge™ Series Pole-Mounted

Ordering Information

Example: ARE-EDR-2M-AA-06-E-UL-SV-525-DIM

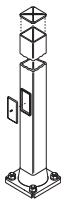
PRODUCT	FAMILY	OPTIC		MOUNTING	# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS	
ARE	EDG EDR	**2M** Type II Medium **2MB** Type II Medium w/ BLS **2MP** Type II Medium w/partial BLS **3M** Type III Medium **3MB** Type III Medium w/ BLS **3MP** Type III Medium w/partial BLS	**4M** Type IV Medium **4MB** Type IV Medium w/ BLS **4MP** Type IV Medium w/partial BLS **5M** Type V Medium **5S** Type V Short	**AA** Adjustable Arm **DA** Direct Arm **DL** Direct Long Arm **R3** Spider, Center Tenon, 2-3/8" to 3" OD **R4** Spider, Center Direct, 4" Square **R5** Spider, Center Direct, 5" Round **SA** Side Arm	**02** **04** **06** **08** **10** **12** **14** **16**	E	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Sliver **WH** White	**350** 350mA **525** 525mA **700** 700mA	**40K** 4000K CCT **DIM** 0-10V Dimming **F** Fuse **HL** High/Low (Dual Circuit Input) **ML** Multi-Level **P** Photocell **PML** Programmable Multi-Level, 20'-40' Mounting Height	**PML2** Programmable Multi-Level, 10'-30' Mounting Height **R** NEMA® Photocell Receptacle

* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

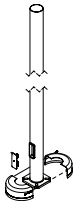
Poles & Tenon Options

POLE SPECIFICATION

Consult factory for more information.



PS
Crown-Weld® Square Straight Steel Poles



PS5R
Round Steel Poles

PSCV
Curved Round Tapered Steel Poles

PSRV
Round Tapered Steel Poles

TENONS & BRACKETS

PB-*A
Square Internal Mount Vertical Tenons (Steel)

PB-*R
Round External Mount Vertical Tenons (Steel)

PD-*A4
Square Internal Mount Horizontal Tenons (Aluminum)

PT-*
Round External Mount Horizontal Tenons (Aluminum)

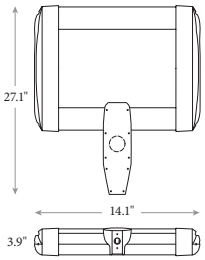
WM-*
Wall Mount Brackets

PW-*A3
Mid-Pole Brackets

Dimensions

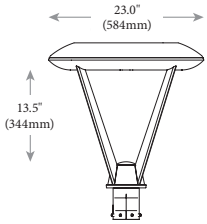
CREE EDGE™ AREA SQUARE

DA MOUNT



CREE EDGE™ AREA ROUND

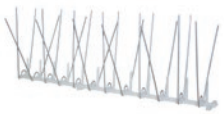
R3 MOUNT



Accessory Information

BIRD-SPIKES

XA-BRDSPK



BACKLIGHT SHIELD

XA-20BLS-4 Four-pack

HAND-HELD REMOTE

XA-SENSREM For use with PML Option

You May Also Be Interested In:

VG SERIES PARKING STRUCTURE
Scalable, Versatile Parking Structure Solutions

CREE EDGE™ SERIES WALL MOUNT
Wall Mount Lighting Solutions

CREE EDGE™ SERIES FLOOD
Flood Lighting Solutions

Cree Edge™ High Output

Cree Edge™ High Output Area

IT'S A BRAND NEW NIGHT IN HIGH OUTPUT LIGHTING

With no viable alternatives, projects that required high output and high mounting height solutions were left using technologies of the past. Today, the Cree Edge™ High Output luminaire is not only able to replace up to 1000W HID, it's significantly better. Powered by Cree TrueWhite® Technology, the Cree Edge™ High Output area and flood luminaire delivers uncompromising color for outdoor spaces. With 90+CRI, true-to-life color never looked so good.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI (4000K & 5700K); 90 CRI (5000K)
- CCT: 5700K (+/- 500K standard), 5000K (+/- 300K), 4000K (+/- 300K)
- Utilizes Cree TrueWhite® Technology on 5000K luminaires
- Low-profile, modular design
- Rugged aluminum housing
- UL wet listed
- Exclusive Colorfast DeltaGuard® finish

APPLICATIONS

- Airport, auto dealership, corporate & office, education, government & municipal, healthcare, industrial & warehouse, pedestrian & recreation, petroleum & convenience store, restaurant & hospitality, retail & grocery, roadway

Cree Edge™ High Output

Ordering Information

Example: ARE-EHO-3M-HV-12-E-UL-SV-700

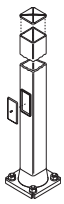
PRODUCT	FAMILY	OPTIC	MOUNTING	# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
ARE	EHO	**2M** Type II Medium **2MB** Type II Medium w/BLS **3M** Type III Medium **3MB** Type III Medium w/BLS **4M** Type IV Medium **4MB** Type IV Medium w/BLS **5M** Type V Medium **5S** Type V Short **AF** Automotive Frontline	**HV** Horizontal/Vertical Tenon	**12** **24**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Sliver **WH** White	**700** 700mA **1000** 1000mA	**40K** 4000K CCT **50K** 5000K CCT **DIM** 0-10V Dimming **F** Fuse **ML** Multi-Level **R** NEMA® Photocell Receptacle

* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

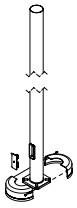
Poles & Tenon Options

POLE SPECIFICATION

Consult factory for more information.



PS
Crown-Weld® Square Straight Steel Poles



PS5R
Round Steel Poles

PSCV
Curved Round Tapered Steel Poles

PSRV
Round Tapered Steel Poles

TENONS & BRACKETS

PB-*A
Square Internal Mount Vertical Tenons (Steel)

PB-*R
Round External Mount Vertical Tenons (Steel)

WM-*
Wall Mount Brackets

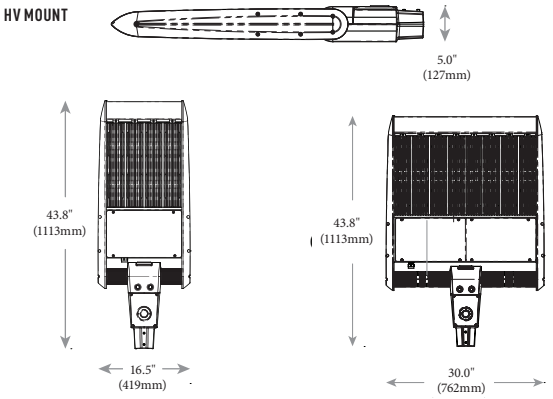
PW-*A3
Mid-Pole Brackets

EHO-UNV*
Direct Mount Brackets

Dimensions

CREE EDGE™ HIGH OUTPUT AREA

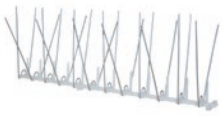
HV MOUNT



Accessory Information

BIRD-SPIKES

XA-BRDSPKXAK12 (120 LEDs)
XA-BRDSPKXAK24 (240 LEDs)



BACKLIGHT SHIELD

XA-30BLS-4 Four-pack (120 LEDs)

XA-30BLS-8 Eight-pack (240 LEDs)

You May Also Be Interested In:

IG SERIES PARKING STRUCTURE
Parking Structure Solutions

XSP SERIES WALL PACK
Affordable Site Lighting Solutions

OSQ SERIES FLOOD
Flood Lighting Solutions

Cree Edge™ Series Pathway

A PATHWAY TO STYLE AND PERFORMANCE.

Cree Edge™ Pathway luminaires combine style and performance to provide unmatched value in pathway and pedestrian lighting. Available in 13", 18", 36", 42" and 8' lengths, Cree Edge™ Pathway luminaires provide shadow-free illumination in both symmetric and asymmetric distribution patterns. In addition, its lens-free design means no yellowing lens or other lens-related issues that can be typical of more traditional designs. Cree Edge™ Pathway luminaires are simply designed to provide more than a decade of near maintenance-free service.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL wet listed
- Two-level options
- Multiple height options:
  - 13" and 18" landscape fixture
  - 36" and 42" pathway fixture
  - 8' pedestrian fixture

APPLICATIONS

- Airport, auto dealership, corporate & office, education, government & municipal, healthcare, industrial & warehouse, pedestrian & recreation, petroleum & convenience store, restaurant & hospitality, retail & grocery

Cree Edge™ Pathway

Cree Edge™ Series Pathway

Ordering Information

Example: PWY-EDG-3M-P3-02-E-UL-BK-525-F

PRODUCT	FAMILY	OPTIC	MOUNTING	LED COUNT (X09)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
PWY	**EDG**	**2M** Type 2 Medium **3M** Type 3 Medium **5M** Type 5 Medium **5S** Type 5 Short	**P0** 13" (330mm) Landscape **P1** 18" (457mm) Landscape **P3** 36" (914mm) Pathway **P4** 42" (1067mm) Pathway **P8** 96" (2438mm) Pedestrian	**02**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V **12** 120V **27** 277V	**SV** Sliver **BZ** Bronze **BK** Black **WH** White	**350** 350mA **525** 525mA	**40K** 4000K CCT **F** Fuse **HL** High/Low (175/350/525, Dual Circuit Input) **TL** Two-Level (175/525 w/ Integrated Sensor Control) **TL2** Two-Level (0/350 w/ Integrated Sensor Control) **TL3** Two-Level (0/525 w/ Integrated Sensor Control) **WB** Welded Base Plate

* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Accessory Information

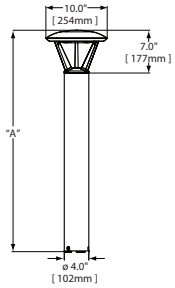
UPGRADE KIT - USED FOR REPLACEMENT OF EXISTING BOLLARDS

XA-XBP8RSV
Silver
XA-XBP8RBK
Black
XA-XBP8RWH
White
XA-XBP8RBZ
Bronze

Dimensions

CREE EDGE™ PATHWAY

Landscape (P0)	13" (330mm)
Landscape (P1)	18" (457mm)
Pathway (P3)	36" (914mm)
Pathway (P4)	42" (1067mm)
Pedestrian (P8)	96" (2438mm)



You May Also Be Interested In:

VG SERIES PARKING STRUCTURE
Scalable, Versatile Parking Structure Solutions

CREE EDGE™ SERIES WALL MOUNT
Wall Mount Lighting Solutions

CREE EDGE™ SERIES FLOOD
Flood Lighting Solutions

LED STREET & ROADWAY

Street lighting is an important and significant investment for most municipalities. Unfortunately, high energy and maintenance costs associated with operating HID systems offer no relief to already tight budgets. Cree® LED street light products provide budget-friendly solutions that significantly reduce energy and maintenance costs without sacrificing illumination performance. You get proven energy and maintenance savings from the proven lighting leader, Cree.

RSW Series

p.134

- Utilizes Cree WaveMax™ Technology
- Efficacy: Up to 115 LPW
- CRI: 80 CRI
- CCT: 3000K (+/- 175K); 4000K (+/- 300K)
- UL wet listed

RUL Series

p.136

- Minimum 70 CRI
- CCT: 4000K (+/- 300K)
- UL wet listed
- Improved illumination performance
- Significant energy and maintenance savings
- Easy Installation

XSP Series

p.138

- Minimum 70 CRI
- CCT: 3000K (+/-300K), 4000K (+/-300K), 5700K (+/-500K)
- NanoOptic® Precision Delivery Grid™ optic
- UL wet listed

XSP Series High Output

p.140

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- NanoOptic® Precision Delivery Grid™ optic
- UL wet listed
- Increased lumen output

LEDway® Series

p.142

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Exclusive Colorfast DeltaGuard® Finish
- UL wet listed
- All aluminum housing

LEDway® Series High Output

p.144

- Minimum 80 CRI (3000K); 70 CRI (4000K & 5700K)
- CCT: 3000K (+/-300K), 4000K (+/-300K), 5700K (+/-500K)
- Utilizes NanoOptic® Technology
- UL wet listed
- All aluminum housing

Cree Edge™ Series

p.146

- Minimum 70 CRI (4000K & 5700K); 90 CRI (5000K)
- CCT: 4000K (+/- 300K), 5000K (+/- 300K), 5700K (+/- 500K)
- UL wet listed
- Mounting options: direct, catenary or pendant

RSW Series

WARM COLOR WITH COOL SAVINGS.

The Cree® RSW Series, utilizing WaveMax™ Technology, will transform the way cities and municipalities light their residential streets, interchanges, and expressways. With the first viable LED streetlight at warm CCT, the RSW Series delivers up to 115 LPW, enhanced visual comfort with reduced glare and high color contrast leading to improved overall illumination using less energy. The RSW Series provides warm, inviting dark sky friendly lighting that makes good economic sense.

BENEFITS

- Warmer CCT without sacrificing efficacy
- Improves visual comfort (less glare)
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Field Adjustable Output option for increased flexibility
- Ease of installation
- 10-year limited warranty

FEATURES

- CCT: 3000K (+/- 175K); 4000K (+/- 300K)
- CRI: 80 CRI
- WaveMax™ Technology
- UL wet listed
- Traditional cobra head appearance
- Lightweight luminaire - 6.5 lbs. (2.9kg)

APPLICATIONS

- Government, Municipal & Roadway

RSW Series

RSW Series

Ordering Information

Example: RSW-HT-2ME-30W-30K-UL-UF-N

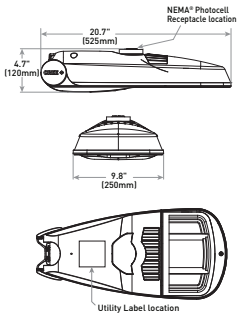
PRODUCT	MOUNTING	OPTIC	INPUT POWER	CCT	VOLTAGE	COLOR OPTIONS	UTILITY LABEL/RECEPTACLE	OPTIONS
RSW	**HT** Horizontal Tenon	**2ME*** Type II Medium **2LG*** Type II Long **3ME*** Type III Medium	**30W** 30W **50W** 50W	**30K** 3000K **40K** 4000K	**UL** Universal 120-277V	**GY** Grey	**N** Utility Label and NEMA® Photocell Receptacle - External WattaGE label per ANSI C136.15 - 7-pin receptacle per ANSI C136.41 - Factory connected 0-10V dim leads - Photocell and shorting cap by others	**Q** Field Adjustable Output

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

RSW SERIES

SMALL

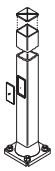


For information on higher WattaGE versions of the RSW, please contact your Cree representative.

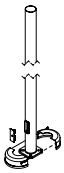
Mounting Options

POLE SPECIFICATION

Consult factory for more information.



PS
Crown-Weld® Square Straight Steel Poles



PS5R
Round Steel Poles

PSRV
Round Tapered Steel Poles

TENONS & BRACKETS

PD-*H4
Square Internal Mount Horizontal Tenons (Steel) - Mounts to 4" (102mm) square aluminum or steel poles

PT-*H
Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375"-3" (60-76mm) O.D. round aluminum or steel poles or tenons; Mounts to square pole with PB-1A* tenon

WM-2L
Extended Horizontal Wall Mount Bracket - Mounts to wall, roof or side of wood pole

XA-TMDA8
Direct Arm Pole Adaptor Bracket -
Mounts to 3 – 6" (76 – 152mm) round or square aluminum or steel poles

* Specify mounting configuration.

Accessory Information

BIRD GUARD	BACKLIGHT CONTROL SHIELD
RSW-BRDGRDS	**RSW-BLSS** - Provides 1 mounting height cutoff

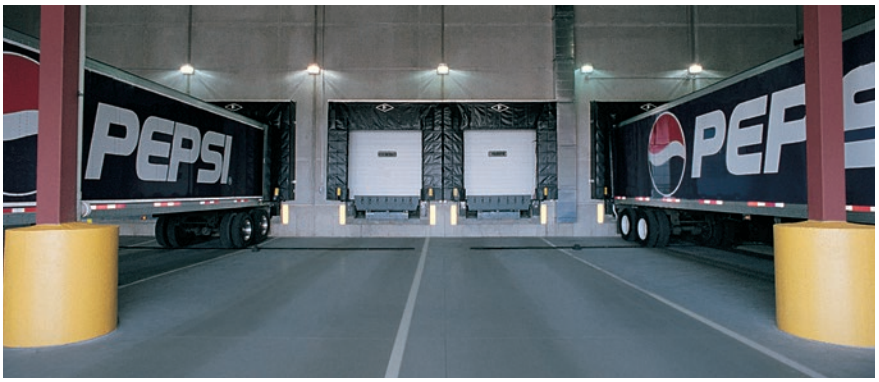
You May Also Be Interested In:

OSQ SERIES™ FLOOD
Flood Lighting Solutions

XSPW™ LED WALL MOUNT
Sleek, Modular Area Lighting Solutions

XSP SERIES STREET LIGHT
High-Efficiency Street Light Solutions

RUL Series Rural Utility Luminaire



RUL Series

SUPERIOR UTILITY LED LIGHTING FOR LESS

The LED Rural Utility Luminaire provides innovation through LED technology that maximizes both the total cost of ownership and return on investment for end users requiring a 70-100W HPS or 100-175W Mercury Vapor replacement solution. By providing industry-leading efficacy of 110 lumens per watt and an industry-leading 10-year limited warranty, Cree is changing the assumptions associated with purchasing and maintaining utility and residential security lighting. While its lightweight design, tool-less entry, and easy installation make the RUL™ LED Rural Utility Luminaire an ideal solution for any contractor.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Easy Installation
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/- 300K)
- UL wet listed
- Meets CALTrans 611 Vibration Testing
- Certified to ANSI C136.31-2001, 3G Bridge and Overpass Vibration
- 10K surge suppression protection tested in accordance with IEEE/ANSI C62.41.2

APPLICATIONS

- Industrial & Warehouse, Municipal, Government, Retail & Grocery, Roadway

RUL Series Rural Utility Luminaire

Ordering Information

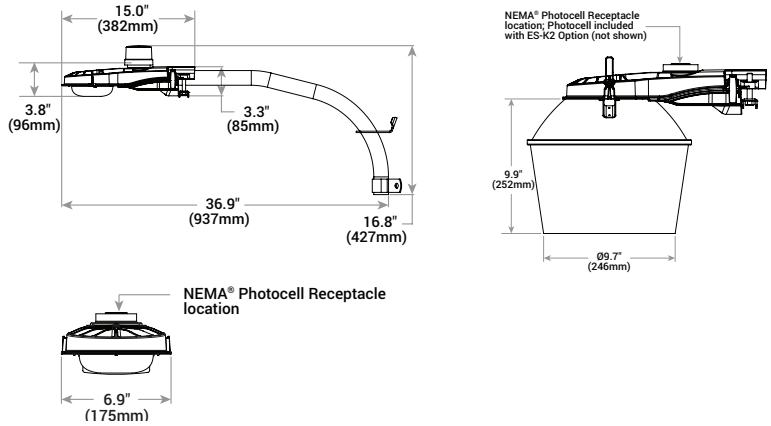
Example: RUL-HT-2ME-C-40K-12-UF-N

PRODUCT	MOUNTING	OPTIC	INPUT POWER DESIGNATOR	CCT	VOLTAGE	COLOR OPTIONS	UTILITY LABEL/RECEPTACLE	OPTIONS
RUL	**HT** Horizontal Tenon	**2ME** Type II Medium **5ME** Type V Medium	**C** 50W	**40K** 4000K	**12** 120V	**UF** Grey Unfinished	**N** Utility Label and NEMA® Photocell Receptacle - Photocell by others - 3-pin receptacle per ANSI C136.10 - Label per ANSI C136.15	**ES** 10kV surge suppression protection **ES-K1 Utility Kit** Includes: 10kV surge suppression protection, long-life photocell, 24" arm mount and 5' cord (pre-installed) **ES-K2 Utility Kit** Includes: 10kV surge suppression protection, long-life photocell, 24" arm mount, NEMA® style reflector/ refractor and 5' cord (pre-installed)

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

RUL SERIES RURAL UTILITY LUMINAIRE



Mounting Options

TENON S & BRACKETS

* Consult factory for more information.

PD-*A
Square Internal Mount Horizontal Tenons (Aluminum)
- Mounts to 4" (102mm) square aluminum or steel poles

RUL-ARM24
Pole Mounting Kit
- 24.0" (610mm) curved raw aluminum arm
- Includes zinc-plated steel hardware
- Mounts to wood poles

XA-TMDA8
Direct Arm Pole Adaptor Bracket
- Mounts to 3-6" (76-152mm) round or square aluminum or steel poles

PT-*
Round External Mount Horizontal Tenons (Aluminum)
- Mounts to 2.375"-3" (60-76mm) O.D. round aluminum or steel poles or tenons

WM-2 (Horizontal)
Wall Mount Bracket
- Mounts to wall, roof or side of wood pole

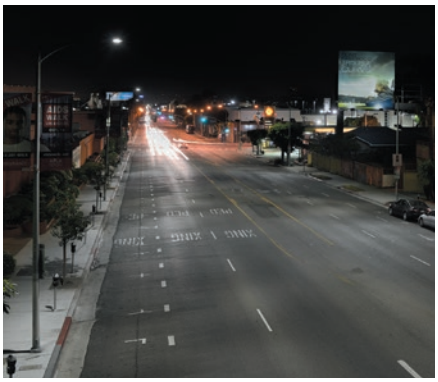
You May Also Be Interested In:

OSQ SERIES™ FLOOD
Flood Lighting Solutions

XSPW™ LED WALL MOUNT
Sleek, Modular Area Lighting Solutions

XSP SERIES STREET LIGHT
High-Efficiency Street Light Solutions

XSP Series Street Lights



THE SHAPE YOU KNOW WITH THE PERFORMANCE YOU NEED.

Designed to resemble traditional cobra heads but with the performance only a Cree® LED solution can provide, the XSP Series is the result of a from-the-ground-up design that provides amazing illumination performance and value at the street level. Beyond substantial energy and maintenance savings, Cree achieves better optical control with our NanoOptic® Precision Delivery Grid™ optic than other street lighting solutions. The Cree XSP Series street light is an affordable LED solution that doesn't sacrifice performance.

BENEFITS

- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Field Adjustable Output option for increased flexibility
- 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 3000K (+/-300K), 4000K (+/-300K), 5700K (+/-500K)
- NanoOptic® Precision Delivery Grid™ optic
- Exclusive Colorfast DeltaGuard® Finish
- Traditional cobra head appearance
- UL wet listed

APPLICATIONS

- Government & municipal, roadway

XSP1™ (single-module)

XSP2™ (double-module)

XSPR™

XSP Series Street Lights

Ordering Information

Example: BXSP-B-HT-2ME-A-40K-UL-SV

PRODUCT	VERSION	MOUNTING	OPTIC	INPUT POWER DESIGNATOR	CCT	VOLTAGE	COLOR OPTIONS	OPTIONS
BXSP **BXSPR**	**B** **C**	**HT** Horizontal Tenon	**2ME**** Type II Medium **2LG**** Type II Long **3ME**** Type III Medium **4ME**** Type IV Medium **5ME** Type V Medium **5SH** Type V Short	**A** 53W (XSP1, B) 54W (XSPR) **B** 101W (XSP2, B) **E** 101W (XSP1, C) **F** 139W (XSP2, C)	**30K** 3000K **40K** 4000K **57K** 5700K	**UL** Universal 120–277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver	**ML** Multi-Level **N** Utility Label and NEMA® Photocell Receptacle **Q9** Field Adjustable Output **R** NEMA® Photocell Receptacle

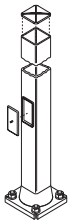
PRODUCT	VERSION	MOUNTING	OPTIC	MODULE (CCT)	INPUT POWER	VOLTAGE	COLOR OPTIONS	OPTIONS
BXSPR	**A**	**0** Horizontal Tenon	**1**** Type II Long **2**** Type II Medium **3**** Type III Medium	**F** 4000K **M** 5700K	**C** 42W **G** 25W	**U** Universal 120–277V	**S** Silver	**N** Utility Label and NEMA® Photocell Receptacle

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.
**Available with Backlight Shield when ordered with field-installed accessory

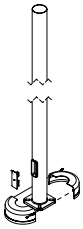
Mounting Options

POLE SPECIFICATION

Consult factory for more information.



PS
Crown-Weld® Square Straight Steel Poles



PS5R
Round Steel Poles

PSRV
Round Tapered Steel Poles

TENONS & BRACKETS

PD-*H4
Square Internal Mount Horizontal Tenons (Steel) - Mounts to 4" (102mm) square aluminum or steel poles

PT-*H
Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375"-3" (60-76mm) O.D. round aluminum or steel poles or tenons

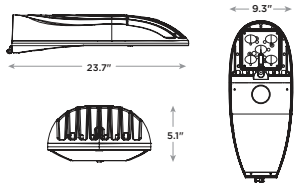
WM-2L
Extended Horizontal Wall Mount Bracket - Mounts to wall, roof or side of wood pole

XA-TMDA8
Direct Arm Pole Adaptor Bracket - Mounts to 3 – 6" (76 – 152mm) round or square aluminum or steel poles

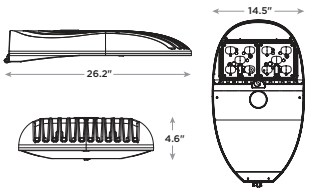
* Specify mounting configuration.

Dimensions

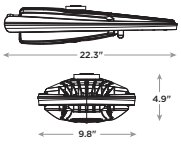
XSP1™ (SINGLE-MODULE)



XSP2™ (DOUBLE-MODULE)



XSPR™



Accessory Information

BIRD SPIKE OPTIONS	BACKLIGHT CONTROL SHIELD OPTIONS	FOUR POINT MOUNTING KIT
XA-SP1BRDSPK** (single-module) **XA-SP2BRDSPK**** (double-module)	Provides 1/2 Mounting Height Cutoff **XA-SP1BLS** (for use with single-module) **XA-SP2BLS** (for use with double-module)	**XA-XSP4PTMNT**** Includes large bracket for mounting to 2" (51mm) IP, 2.375" (60mm) O.D. tenon, small bracket for mounting to 1.25" (32mm) IP, 1.66" (42mm) O.D. tenon and mounting bolts

**does not apply to XSPR.

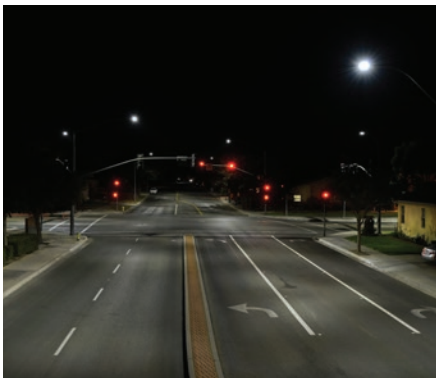
You May Also Be Interested In:

DPT SERIES
POST-TOP LUMINAIRE
Easily Convert Decorative Street Lights to LED

LEDWAY® SERIES
STREET LIGHTS
Versatile Street Light Solutions

XSP SERIES AREA
Area Lighting Solutions

XSP Series High Output Street Lights



THE SHAPE YOU KNOW WITH THE PERFORMANCE YOU NEED.

We've increased the lumen output for the successful XSP Series. The XSP High Output Series shares the same cobrahead style housing as the XSP Series, but delivers up to 18,523 lumens with incredible efficiency and illumination performance you need. In addition to substantial energy and maintenance savings, the XSP High Output Series achieves better optical control with the NanoOptic® Precision Delivery Grid™ optic over incumbent street lighting solutions from 70W up to 250W.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Smart-city ready for increased flexibility
- 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- NanoOptic® Precision Delivery Grid™ optic
- Exclusive Colorfast DeltaGuard® Finish
- Traditional cobra head appearance
- UL wet listed

APPLICATIONS

- Government & municipal, roadway

XSP1™ High Output (single-module)

XSP2™ High Output (double-module)

XSPR™ High Output

XSP Series High Output Street Lights

Ordering Information

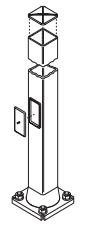
Example: BXSP1-HO-HT-2ME-100W-40K-UL-SV

PRODUCT	MOUNTING	OPTIC	INPUT POWER	CCT	VOLTAGE	COLOR OPTIONS	OPTIONS
BXSP1-HO	**HT** Horizontal Tenon	**2ME*** Type II Medium **2LG*** Type II Long **3ME*** Type III Medium **4ME*** Type IV Medium	**100W** 100W (XSP1-HO) **165W** 165W (XSP2-HO)	**40K** 4000K **57K** 5700K	**UL** Universal 120–277V	**BK** Black **BZ** Bronze **SV** Silver	**N** Utility Label and NEMA Photocell Receptacle **Q9** Field Adjustable Output **R** NEMA Photocell Receptacle
BXSPR-HO	**HT** Horizontal Tenon	**2ME*** Type II Medium **2LG*** Type II Long **3ME*** Type III Medium **5SH** Type V Short (60W only)	**60W** 60W **80W** 80W	**40K** 4000K **57K** 5700K	**UL** Universal 120–277V	**SV** Silver	**N** Utility Label and NEMA Photocell Receptacle

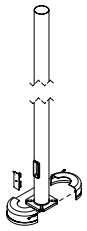
*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.
**Available with Backlight Shield when ordered with field-installed accessory

Mounting Options

POLE SPECIFICATION	TENONS & BRACKETS
Consult factory for more information.	**PD-*H4** Square Internal Mount Horizontal Tenons (Steel) - Mounts to 4" (102mm) square aluminum or steel poles **PT-*H** Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375"-3" (60-76mm) O.D. round aluminum or steel poles or tenons **WM-2L** Extended Horizontal Wall Mount Bracket - Mounts to wall, roof or side of wood pole **XA-TMDA8** Direct Arm Pole Adaptor Bracket - Mounts to 3 – 6" (76 – 152mm) round or square aluminum or steel poles * Specify mounting configuration.



PS
Crown-Weld® Square Straight Steel Poles

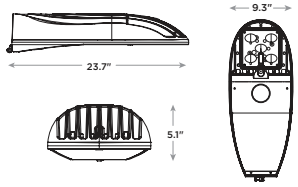


PS5R
Round Steel Poles

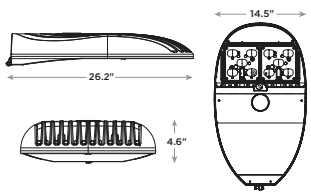
PSRV
Round Tapered Steel Poles

Dimensions

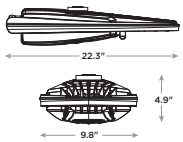
XSP1-HO (SINGLE-MODULE)



XSP2-HO (DOUBLE-MODULE)



XSPR-HO



Accessory Information

BIRD SPIKE OPTIONS	BACKLIGHT CONTROL SHIELD OPTIONS
XA-SP1BRDSPK** (single-module) **XA-SP2BRDSPK**** (double-module)	Provides 1/2 Mounting Height Cutoff **XA-SP1BLS** (for use with single-module) **XA-SP2BLS** (for use with double-module) **XA-SPR3BLS** (for use with XSPR, 60W) **XA-SPRBLS** (for use with XSPR, 80W)

**does not apply to XSPR.

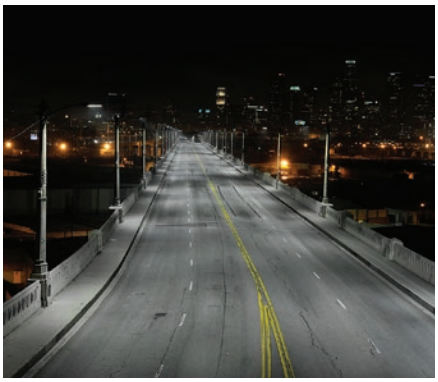
You May Also Be Interested In:

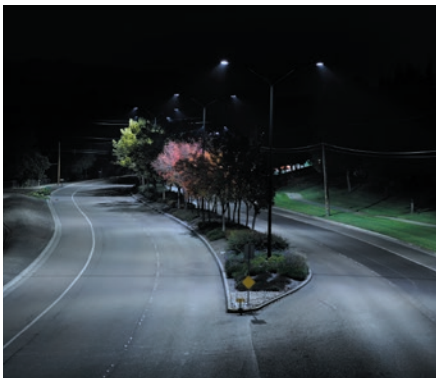
DPT SERIES
POST-TOP LUMINAIRE
Easily Convert Decorative Street Lights to LED

LEDWAY® SERIES
STREET LIGHTS
Versatile Street Light Solutions

XSP SERIES AREA
Area Lighting Solutions

LEDway® Series Street Lights





LEDway - HT Mount

PROVEN PERFORMANCE, PROVEN VALUE.

Launched in 2008, LEDway® LED street lights are arguably the most successful street light in the world. Our LEDway street light has built a reputation based on performance and value. Available in 10-LED increments (20 to 120 LEDs), flexible drive currents and multiple optical distributions, the LEDway street light can be "right-sized" to provide exacting illumination performance that minimizes first cost while maximizing energy savings. While others can make performance promises, the LEDway street light has already delivered proven performance.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Patented NanoOptic® Technology
- Exclusive Colorfast DeltaGuard® Finish
- UL wet listed
- Meets CALTrans 611 Vibration Testing
- Certified to ANSI C136.31-2001, 3G Bridge and Overpass Vibration Standards
- 10K surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Field adjustable power conditions
- Remote monitoring compatibility
- Scalable design

APPLICATIONS

- Airports, auto dealerships, corporate & office, education, government & municipal, healthcare, pedestrian & recreation, petroleum & convenience store, restaurant & hospitality, retail & grocery, roadway

LEDway® Series Street Lights

Ordering Information

Example: STR-LWY-4M-HT-06-E-UL-SV-700-IP

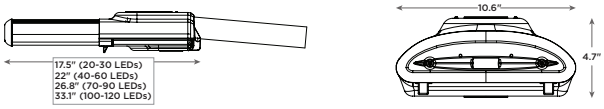
PRODUCT	OPTIC	MOUNTING	#OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
STR-LWY	**2M** Type I Medium **2S** Type II Short **3M** Type III Medium **4M** Type IV Medium **5M** Type V Medium	**HT** Horizontal Tenon	**02** **03** **04** **05** **06** **07** **08** **09** **10** **11** **12**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver	**525** 525mA **700** 700mA	**DIM** 0-10V Dimming **R** NEMA® Photocell Receptacle **40K** 4000K CCT **UTL** Utility

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

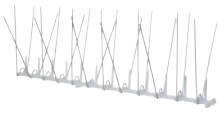
LEDWAY® LED STREET LIGHT

HT MOUNT



Accessory Information

BIRD SPIKE OPTIONS



XA-BRDSPKHSG
(for use with LEDway® housings)
XA-BRDSPK30
(for use with 20 to 30 LED light engines)
XA-BRDSPK60
(for use with 40 to 60 LED light engines)

XA-BRDSPK90
(for use with 70 to 90 LED light engines)
XA-BRDSPK120
(for use with 100 to 120 LED light engines)

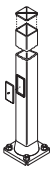
EXTERNAL BACKLIGHT SHIELD OPTIONS

XA-XSLBLS30
(for use with 20 to 30 LED luminaires)
XA-XSLBLS60
(for use with 40 to 60 LED luminaires)
XA-XSLBLS90
(for use with 70 to 90 LED luminaires)
XA-XSLBLS120
(for use with 100 to 120 LED luminaires)

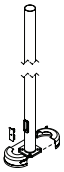
Mounting Options

POLE SPECIFICATION

Consult factory for more information.



PS
Crown-Weld® Square Straight Steel Poles



PS5R
Round Steel Poles

PSRV
Round Tapered Steel Poles

TENONS & BRACKETS

PD-*H4
Square Internal Mount Horizontal Tenons (Steel) - Mounts to 4" (102mm) square aluminum or steel poles

PT-*H
Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375"-3" (60-76mm) O.D. round aluminum or steel poles or tenons; Mounts to square pole with PB-1A* tenon

WM-2L
Extended Horizontal Wall Mount Bracket - Mounts to wall, roof or side of wood pole

XA-TMDA8
Direct Arm Pole Adaptor Bracket -
Mounts to 3 – 6" (76 – 152mm) round or square aluminum or steel poles

* Specify mounting configuration.

You May Also Be Interested In:

IG SERIES PARKING STRUCTURE
Parking Structure Solutions

DPT SERIES POST-TOP LUMINAIRE
Easily Convert Decorative Street Lights to LED

CREE EDGE™ TSP TRANSPORTATION MOUNT
Bridge, Overpass & Tunnel Lighting Solutions

LEDway® Series High Output Street Lights

MEETING DEMANDING ROADWAY APPLICATION REQUIREMENTS.

The LEDway® Series High Output street light with its unrivaled lumen output for roadway lighting expands the application range replacing up to 400W HPS. With industry-leading optimized optical control and adjustable output for versatility, the LEDway Series High Output street light significantly improves the economic value for the application.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Patented NanoOptic® Technology
- Exclusive Colorfast DeltaGuard® Finish
- UL wet listed
- Vibration standards
- 10K surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Optional field adjustable power conditions
- Remote monitoring compatibility
- Scalable design

APPLICATIONS

- Airports, auto dealerships, corporate & office, education, government & municipal, healthcare, pedestrian & recreation, petroleum & convenience store, restaurant & hospitality, retail & grocery, roadway

High Output - Single

High Output - Double

LEDway® Series High Output Street Lights

Ordering Information

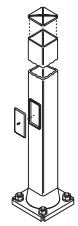
Example: STR-LWY-2ME-HT-1-F-UL-SV-A-40K

PRODUCT	OPTIC	MOUNTING	MODULE	SERIES	VOLTAGE	COLOR OPTIONS	INPUT POWER DESIGNATOR	CCT	FACTORY INSTALLED OPTIONS
STR LWY	**2ME** Type II Medium **2LG** Type II Long **3ME** Type III Medium **4ME** Type IV Medium	**HT** Horizontal Tenon	**1** Single Module **2** Double Module	**F**	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**A** Single Module 136W Double Module 274W	**30K** 3000K **40K** 4000K **57K** 5700K	**DIM** 0-10V Dimming **F** Fuse **N** No Quick Disconnect Harness or Leveling Bubble **PD** Power Door **Q** Field Adjustable Output **R** NEMA® Photocell Receptacle **SC** Door Safety Tether **UTL** Utility

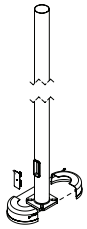
*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Mounting Options

POLE SPECIFICATION



PS
Crown-Weld® Square Straight Steel Poles



PS5R
Round Steel Poles

PSRV
Round Tapered Steel Poles

TENONS & BRACKETS

PD-*H4
Square Internal Mount Horizontal Tenons (Steel) - Mounts to 4" (102mm) square aluminum or steel poles

PT-*H
Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375"-3" (60-76mm) O.D. round aluminum or steel poles or tenons; Mounts to square pole with PB-1A* tenon

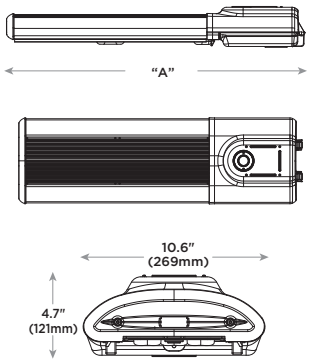
WM-2L
Extended Horizontal Wall Mount Bracket - Mounts to wall, roof or side of wood pole

XA-TMDA8
Direct Arm Pole Adaptor Bracket - Mounts to 3 – 6" (76 – 152mm) round or square aluminum or steel poles

* Specify mounting configuration.

Dimensions

LEDWAY SERIES HIGH OUTPUT STREET LIGHT

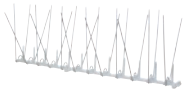


MODULES	DIMENSION	MEASUREMENTS
Single	"A"	23.5" (597mm)
Double	"A"	34.9" (886mm)

Accessory Information

BIRD SPIKE OPTIONS

XA-BRDSPKHSG
Bird Spikes for Housing



You May Also Be Interested In:

OSQ SERIES AREA
Low-Profile Area Lighting Solutions

XSP SERIES WALL PACK
Affordable Site Lighting Solutions

CREE EDGE™ TSP TRANSPORTATION MOUNT
Bridge, Overpass & Tunnel Lighting Solutions

Cree Edge™ Series Transportation Luminaire

BRIDGES, OVERPASSES AND TUNNELS — NO PROBLEM.

The Cree Edge™ TSP Transportation Mount is designed for high vibration areas such as bridges, overpasses, roadways and tunnels and helps reduce costs associated with maintaining high-traveled areas. Visibility and safety for vehicular and pedestrian traffic can be dramatically increased with overall improvements in illumination performance.

BENEFITS

- Increased visibility and safety for pedestrians and vehicles
- Lower maintenance costs

FEATURES

- Mounting options: direct, catenary or pendant
- UL and cUL listed
- Through-wiring for easy installation
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2

APPLICATIONS

- Government & municipal, roadway

Cree Edge™ Transportation Mount

Cree Edge™ High Output Transportation Mount

Cree Edge™ Series Transportation Luminaire

Ordering Information

Example: TSP-EDG-2M-DM-06-E-UL-SV-525-DIM

PRODUCT	OPTIC		MOUNTING	# OF LEDS (X10)	VERSION	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
TSP EDG	**1S** Type I Short **2M** Type II Medium **2S** Type II Short **3M** Type III Medium **4M** Type IV Medium **5M** Type V Medium **5S** Type V Short	**PS** Petroleum Symmetric **15** 15-degree Flood **25** 25-degree Flood **40** 40-degree Flood	**DM** Direct Mount **PD1** 1-1/4 NPSM Mounting System **PD2** 1-1/2 NPSM Mounting System **CM** Catenary Mount	**04** **06** **08** **10** **12** **14** **16** **24**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V **25D** 250VDC	**SV** Sliver **BZ** Bronze **BK** Black **WH** White	**350** 350mA **525** 525mA **700** 700mA	**40K** 4000K CCT **DIM** 0-10V Dimming **F** Fuse **HL** High/Low (175/350/525 Dual Circuit Input)

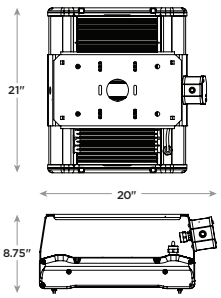
PRODUCT	OPTIC		MOUNTING	# OF LEDS (X10)	VERSION	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
TSP EHO	**1S** Type I Short **2S** Type II Short **3M** Type III Medium	**5S** Type V Short **N6** NEMA® 6	**DM** Direct Surface	**12** **24**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V	**SV** Sliver **BZ** Bronze **BK** Black **WH** White	**700** 700mA **1000** 1000mA	**40K** 4000K CCT **50K** 5000K CCT **DIM** 0-10V Dimming **F** Fuse **ML** Multi-Level

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

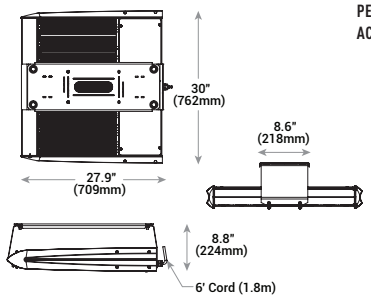
Dimensions

CREE EDGE™ TRANSPORTATION MOUNT

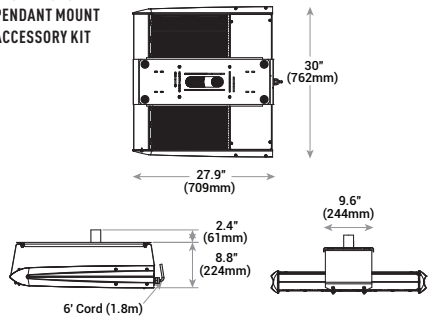
EDG -DM MOUNT



EHO -DM MOUNT



EHO -DM SHOWN WITH PENDANT MOUNT ACCESSORY KIT



Accessory Information

ACCESSORIES FOR HIGH OUTPUT

EHO-HC
Hook & Cord Mount Kit
EHO-PD1
Pendant 1-1/4" NPSM Mount Kit
EHO-PD2
Pendant 1-1/2" NPSM Mount Kit

You May Also Be Interested In:

VG SERIES PARKING STRUCTURE
Scalable, Versatile Parking Structure Solutions

CREE EDGE™ SERIES WALL MOUNT
Wall Mount Lighting Solutions

CREE EDGE™ SERIES FLOOD
Flood Lighting Solutions

LED DECORATIVE STREET & ROADWAY

With the Cree® LED lighting solutions, there is no need to change the historical ambiance of the streetscape. You can simply transform existing inefficient metal halide, high pressure sodium and mercury vapor post-top luminaires into energy-efficient, low-maintenance LED luminaires. The result is improved optical control and target efficacy that combines a classic day-form style with a beautiful nightscape appearance.

DPT Series LED Post-Top Luminaire

p.150

- Minimum 70 CRI
- CCT: 3000K (+/- 300K); 4000K (+/- 300K)
- Made with Cree® LED Technology
- Utilizes a standalone UL 1598 compliant light engine
- Suitable for damp locations
- 6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2

LED Upgrade Kit

p.152

- Minimum 70 CRI
- CCT: 2700K (+/-300K), 4000K (+/-300K)
- 0-10V dimming option
- Field Adjustable Output for increased flexibility
- Reuses most of existing luminaire for little waste

DPT Series Post-Top Luminaire

DPT Series Post-Top Luminaire

MAINTAIN YOUR DAY FORM. MODERNIZE THE POST-TOP WITH EASE.

Don't get fooled into purchasing new luminaires or losing compliance with other decorative post-top lighting solutions. With the DPT Series, you can have all the great benefits of performance, energy savings and reduced maintenance of a LED luminaire, because it's designed to be a "luminaire within a luminaire." Designed to replace up to 70W Metal Halide or High Pressure Sodium and up to 175W Mercury Vapor lamps, the DPT luminaire utilizes a standalone UL 1598 compliant light engine and a universal mounting base that can be mounted in new or existing installations with both medium and mogul base sockets. Preserve the historic look of the streetscape, maintain safety and eliminate compliance hurdles with the DPT Series.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate compliance hurdles
- Reduce waste by using the existing luminaire
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 3000K (+/- 300K); 4000K (+/- 300K)
- Made with Cree® LED Technology
- Utilizes a standalone UL 1598 compliant light engine
- Suitable for damp locations
- 6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2

APPLICATIONS

- Government, education, municipal, roadway

DPT Series Post-Top Luminaire

Ordering Information

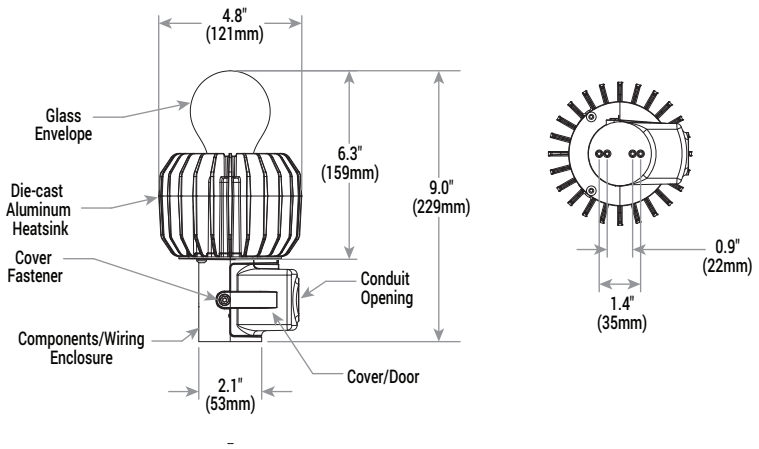
Example: DPT-A-SB-FR-A-30K-UL-UF

PRODUCT	VERSION	MOUNTING	LENS	INPUT POWER DESIGNATOR	CCT	VOLTAGE	COLOR
DPT	A	**SB** Surface Base	**FR** Frosted Glass Lens	**A** 34W	**30K** 3000K **40K** 4000K	**UL** Universal 120-277V	**UF** Unfinished

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

LED DECORATIVE POST TOP LUMINAIRE



Accessory Information

EXTERNAL BACKLIGHT SHIELD OPTIONS

Backlight Control Shield

DPT-BLS

- No hardware required
- May not be used in combination with the uplight shield

Uplight Shield for Base-Down Applications

DPT-ULSBD

- Provides 65% cutoff
- Required for DLC qualification
- May not be used in combination with the backlight control shield

You May Also Be Interested In:

OSQ SERIES AREA
Low-Profile Area Lighting Solutions

XSP SERIES WALL PACK
Affordable Site Lighting Solutions

304 SERIES™ PARKING STRUCTURE
Low-Profile Parking Structure Lighting Solutions

Traditional Post-Top Upgrade Kit

YESTERDAY'S PRODUCTS, TODAY'S TECHNOLOGY.

The Cree® Traditional Post-Top Upgrade Kit allows owners to seamlessly transform their existing inefficient post-top luminaires with poor optical control into energy-efficient, low-maintenance LED luminaires. The result is improved optical control and target efficacy that combines a classic day-form style with a beautiful nightscape appearance. The easy-to-install upgrade kit uses most of the existing fixture, resulting in little waste while maintaining a consistent look — a seamless transition from yesterday to today.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Reduce waste by using the existing luminaire
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 2700K (+/-300K), 4000K (+/-300K)
- Patented NanoOptic® Technology
- UL wet listed
- 10K surge suppression protection tested in accordance with IEEE/ANSI C62.41.2

APPLICATIONS

- Government & municipal, roadway

BXRAAA
Kit for Holophane®
Granville Acorn

BXRAAB
Kit for Holophane®
Washington PostLite® Acorn

BXRAAD
Kit for King Luminaire
Washington Acorn

BXRAAE
Kit for Holophane®
Esplanade® Teardrop

BXRAAF
Kit for Lumec® New
Westminster Globe

BXRAAH
Kit for Holophane® Granville
Utility Acorn w/ Hinged Door

BXRAAK
Kit for Holophane® Granville
Utility Acorn w/ Removable Door

Traditional Post-Top Upgrade Kit

Ordering Information

Example: BXRA-A-H-5-3-U-D-7-Y

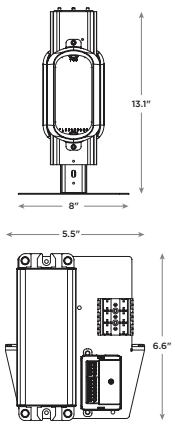
PRODUCT	VERSION	STYLE	OPTIC	# OF SIDES	VOLTAGE	INPUT POWER	COLOR TEMPERATURE	OPTIONS
BXRA	A	**A** Holophane® Granville Acorn **B** Holophane® Washington PostLite® Acorn **D** King Luminaire Washington Acorn **E** Holophane® Esplanade® Teardrop **F** Lumec® New Westminster Globe **H** Holophane® Granville Utility Acorn w/ Hinged Door **K** Holophane® Granville Utility Acorn w/ Removable Door	**5** Symmetric Module	**3**	**U** Universal 120-277V **V** Universal 347-480V	**D** 65W-68W **X** 97W	**1** 2700K CCT **7** 4000K CCT	**Y** 0-10V Dimming

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

TRADITIONAL POST-TOP UPGRADE KITS

BXRAAA



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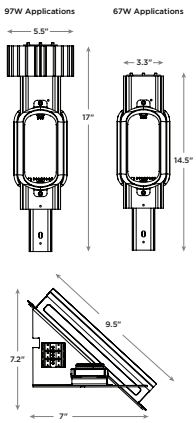

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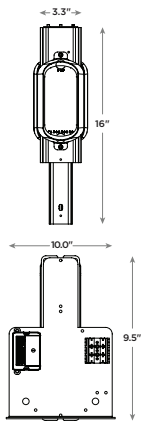

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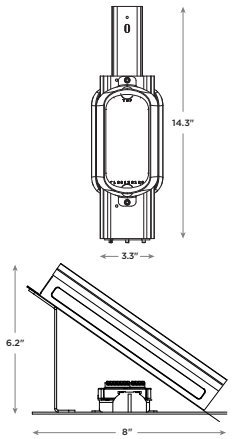

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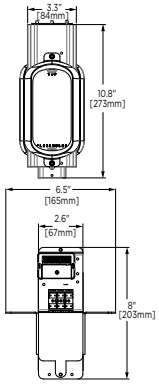

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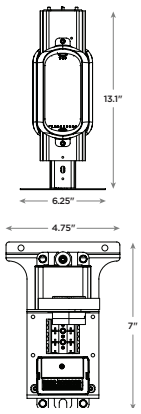

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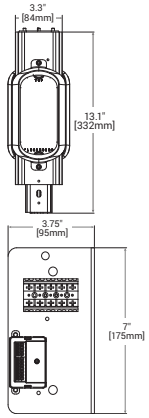


You May Also Be Interested In:

CREE EDGE™ SERIES WALL MOUNT
Wall Mount Lighting Solutions

CREE EDGE™ SERIES AREA
Sleek, Modular Area Lighting Solutions

CREE EDGE™ SERIES FLOOD
Flood Lighting Solutions

LED CANOPY & SOFFIT

Commercial and retail canopy lighting plays a vital role in the appearance and perception of a business. Traditional lighting products can leave businesses looking unsafe and uninviting due to reduced light levels and random lamp outages over time. Cree® LED products can offer a better approach resulting in significant energy and maintenance savings while improving illumination performance and appearance of a business during nighttime hours.

CPY Series

p.156

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Direct and pendant mounts
- Flat or drop lenses available
- Upgrade kit options
- Slim, low-profile design

228 Series™

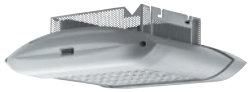
p.158

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL wet listed
- Multi-Level options
- Upgrade kit options
- Modular, low-profile design

304 Series™

p.160

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL wet listed
- Driver centrally located
- Convenient electrical inspection access from below
- Modular, low-profile design



Cree Edge™ Series

p.162

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL wet listed
- Two-Level options
- Modular, low-profile design

CPY Series Canopy & Soffit

CPY Series - Flat Lens

CPY Series - Drop Lens

"BEST IN CLASS" PERFORMANCE STANDARD.

The CPY250™ fixture delivers up to 20,784 lumens under the canopy while consuming less power than traditional sources. Available in both flat and 1" prismatic drop lens, the CPY250™ fixture provides two illumination aesthetics to meet both the visual, as well as the vertical and horizontal illumination performance needs of a typical canopy/soffit application.

BENEFITS

- Superior illumination performance
- Quick and easy installation
- Low total cost of ownership
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL listed
- Flat or drop lens option
- 0-10V dimming option (120W, 140W & 145W)
- Direct surface mount or pendant mount
- Slim, low-profile design
- Exclusive Colorfast DeltaGuard® Finish
- Class I, Division II Hazardous Location for select models

APPLICATIONS

- Airport, auto dealership, corporate & office, education, government & municipal, healthcare, petroleum & convenience store, restaurant & hospitality, retail & grocery

CPY Series Canopy & Soffit

Ordering Information

Example: CPY250-A-DM-D-A-UL-WH-DIM

PRODUCT	VERSION	MOUNTING	OPTIC	INPUT POWER DESIGNATOR	VOLTAGE	COLOR OPTIONS	FACTORY INSTALLED OPTIONS
CPY250	A	**DM** Direct **PD** Pendant	**D** 0.91" (23mm) Drop Lens **F** Flat Lens	**A** 82W **B** 120W **C** 43W **D** 140W **E** 145W	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver **WH** Whit	**DIM** 0-10V Dimming **ML** Multi-Level **PML** Programmable Multi-Level **40K** 4000K

* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Accessory Information

DIRECT MOUNT - CANOPY UPGRADE KITS

Used when replacing HID luminaires in existing open canopies.
XA-BXCCMW - for use with Jet-Phillips canopy luminaires
XA-BXCCNW - for use with Elsco Franciscan canopy luminaires
XA-BXCCPW - for use with LSI Dakota or Masters canopy luminaires
XA-BXCCQW - for use with Whiteway Riviera or Rig-A-Lite canopy luminaires
XA-BXCCRW - for use with Elsco Merrit canopy luminaires
XA-BXCCSW - for use with LSI Richmond or Whiteway Civic canopy luminaires

DIRECT MOUNT - JUNCTION BOX / STEM KIT

XA-BXCCJBOX - 6.0" (152mm) H x 3/4" (19mm) NPT Stem

DIRECT MOUNT - BEAUTY PLATE

Metal plate used when replacing surface-mounted HID luminaires.
Painted Colorfast DeltaGuard® white.
XA-BXCCBPW - Square 26"
XA-BXCCBPB12W - Beauty Plate w/ 12" (305mm) Backer
XA-BXCCBPB16W - Beauty Plate w/ 16" (406mm) Backer

PENDANT MOUNT KITS

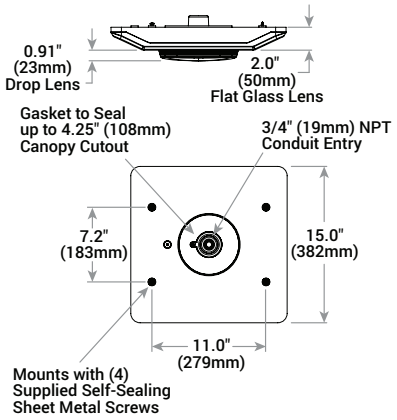
Pendant height from ceiling surface to bottom of fixture; mounting accessories or surface boxes will add to overall height
XA-PS22KIT* - 22" (559mm)
XA-PS12KIT* - 12" (305mm)
XA-PS18KIT* - 18" (457mm)

HAND-HELD REMOTE

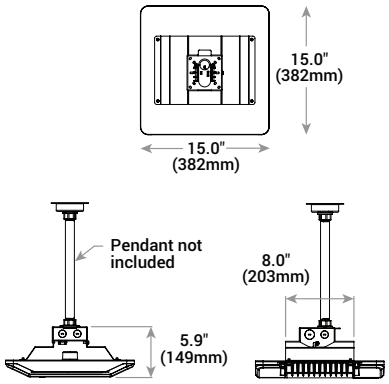
XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Dimensions

DIRECT MOUNT



PENDANT MOUNT



You May Also Be Interested In:

OSQ SERIES AREA
Low-Profile Area Lighting Solutions

XSP SERIES WALL PACK
Affordable Site Lighting Solutions

LEDWAY® SERIES STREET LIGHTS
Versatile Street Light Solutions

228 Series™ Recessed Canopy and Soffit

228 Series™ Recessed Canopy

228 Series™ Recessed Soffit

INNOVATIVE MODULAR DESIGN AND EASY INSTALLATION.

228 Series™ luminaires dramatically improve site appearance while substantially reducing energy and maintenance costs. The 228 Series™ luminaires are designed for multi-purpose use in exterior canopies such as petroleum stations, drive-thru banks and restaurants, and indoor retail or industrial spaces. The flexible 30- to 90-LED configurations allow for increased visibility and safety below canopies and around building perimeters. The 90-LED luminaires are ideal for areas requiring high illuminance levels.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Standard 10-year limited warranty
- Designed for easy installation
- Suitable for use in single or double skin canopies with 12" or 16" panels
- Serviceable from below the canopy deck

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL wet listed
- Field adjustable drive current
- Modular, low-profile design

APPLICATIONS

- Airport, auto dealership, corporate & office, education, government & municipal, healthcare, petroleum & convenience store, restaurant & hospitality, retail & grocery

228 Series™ Recessed Canopy and Soffit

Ordering Information

Example: CAN-228-PS-RM-06-E-UL-WH-700-ML

FAMILY	PRODUCT	OPTIC	MOUNTING		# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
CAN **SFT**	**228**	**5M** Type V Medium **PS** Petroleum Symmetric **SL** Sparkle Petroleum	**RM** Recessed **RR** Recessed Remodel **RT1** Upgrade for Elsco Franciscan Series **RT2** Upgrade for LSI Dakota or Masters Series **RT3** Upgrade for Whiteway Riviera 2 or Rig-A-Lite Series	**RT4** Upgrade for Elsco Merritt Series **RT5** Upgrade for Jet-Philips Series **RT6** Upgrade for LSI Richmond or Whiteway Civic Series	**03** **06** **09**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V **12** 120V **27** 277V	**BK** Black **BZ** Bronze **WH** White	**350** 350mA **525** 525mA **700** 700mA **900** 900mA	**40K** 4000K CCT **DIM** 0-10V Dimming **IC** IC Rated **ML** Multi-Level **PML** Programmable Multi-Level

* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Accessory Information

UPGRADE PLATE KIT (CAN-228 MODELS ONLY)

Used when replacing recessed HID luminaires in existing open canopies.
For use with canopies that are greater than 2-1/2" in height:
XA-CT30F021W - for use with 30-LED canopy lights
XA-CT60F021W - for use with 60-LED canopy lights
XA-CT90F021W - for use with 90-LED canopy lights
For use with shallow canopies that are less than 2-1/2" in height:
XA-CT30F021WS - for use with 30-LED canopy lights
XA-CT60F021WS - for use with 60-LED canopy lights
XA-CT90F021WS - for use with 90-LED canopy lights

UPGRADE PLATE KIT – PLASTIC (CAN-228 MODELS ONLY)

Kits without backer plates—for use with canopies that have maximum of 7" diameter cut hole:
XA-CT30B047W - for use with 30-LED canopy lights
XA-CT60B047W - for use with 60-LED canopy lights
XA-CT90B047W - for use with 90-LED canopy lights
Kits without backer plates—for use with 12" or 16" canopies that have maximum of 10" x 10" diameter cut hole:
XA-CT30C241W - for use with 30-LED canopy lights
XA-CT60C241W - for use with 60-LED canopy lights
XA-CT90C241W - for use with 90-LED canopy lights
Kits without backer plates—for use with 16" canopies that have maximum of 12" diameter or 12" x 12" cut hole:
XA-CT30C642W - for use with 30-LED canopy lights
XA-CT60C642W - for use with 60-LED canopy lights
XA-CT90C642W - for use with 90-LED canopy lights

UPGRADE PLATE KIT – METAL (CAN-228 MODELS ONLY)

Metal plate used when replacing surface-mounted HID luminaires. Painted DeltaGuard® white. Must be field cut to match luminaire opening.
XA-CTP26X24WT - Spans two 12" deck panels
XA-CTP26X32WT - Spans two 16" deck panels

Accessory Information

HAND-HELD REMOTE

XA-SENSREM
-For successful implementation of programmable multi-level option, a minimum of one hand-held remote is required

MOUNTING C CHANNELS (SFT-228 MODELS ONLY)

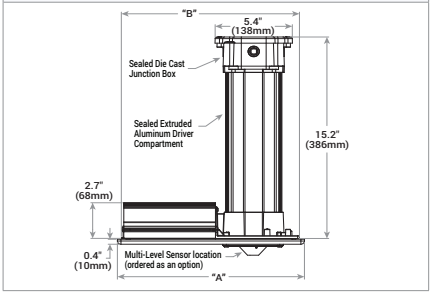
XA-MC14 Mounting C Channel - 14" (356mm) Long
XA-MC22 Mounting C Channel - 22" (559mm) Long
XA-MC30 Mounting C Channel - 30" (762mm) Long

MOUNTING BRACKETS (SFT-228 MODELS ONLY)

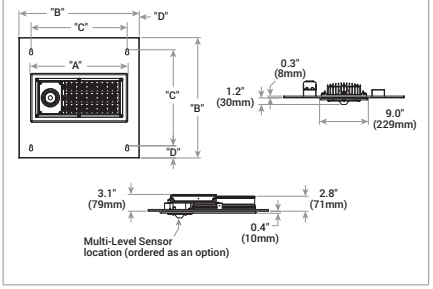
XA-MB4 - Kit contains 4

Dimensions

228 SERIES™ RECESSED CANOPY



228 SERIES™ RECESSED SOFFIT



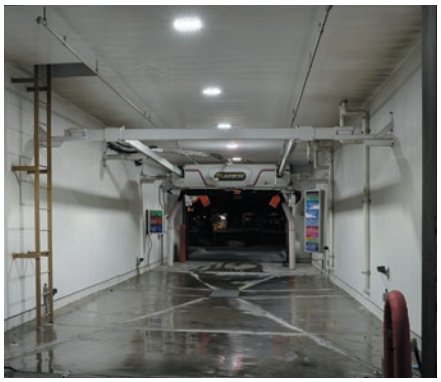
You May Also Be Interested In:

CREE EDGE™ SERIES AREA
Sleek, Modular Area Lighting Solutions

XSP SERIES WALL PACK
Affordable Site Lighting Solutions

LEDWAY® SERIES STREET LIGHTS
Versatile Street Light Solutions

304 Series™ Recessed Canopy and Soffit



AN INVESTMENT IN SAVINGS THAT LOOKS GREAT FOR YEARS.

The 304 Series™ canopy luminaire can dramatically improve illumination performance while saving significant energy consumption. In addition, since it is designed to operate nearly maintenance-free for more than a decade, routine service calls and disruptions required of traditional technologies can be a thing of the past. Available in 40- or 60-LED configurations, multiple optical distributions, drive currents and mounting options, the CAN-304 is an affordable solution that's not short on performance.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL wet listed
- International Dark Sky Association approved
- Centrally-located driver provides ease of installation and through-wiring (daisy chaining luminaires)
- Convenient electrical inspection access from below the luminaire

APPLICATIONS

- Airport, auto dealership, corporate & office, education, government & municipal, healthcare, industrial & warehouse, petroleum & convenience store, restaurant & hospitality, retail & grocery

304 Series™ Recessed Canopy

304 Series™ Recessed Soffit

304 Series™ Recessed Canopy and Soffit

Example: CAN-304-5M-RD-04-E-UL-WH-700-ML

PRODUCT	OPTIC	MOUNTING	# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
CAN 304 **SFT 304**	**5M** Type V Medium **5S** Type V Short **PS** Petroleum Symmetric **SL** Sparkle Petroleum	**RM** Recessed **RS** Recessed Single Skin **RD** Recessed Double Skin **RT1** Upgrade for Elsco Franciscan Series **RT2** Upgrade for LSI Dakota or Masters Series **RT3** Upgrade for Whiteway Riviera 2 or Rig-A-Lite Series **RT4** Upgrade for Elsco Merritt Series **RT5** Upgrade for Jet-Philips Series	**04** **06**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V **12** 120V **27** 277V	**WH** White **SV** Silver **BZ** Bronze **BK** Black	**350** 350mA **525** 525mA **700** 700mA	**40K** 4000K CCT **DIM** 0-10V Dimming **F** Fuse **ML** Multi-Level **PML** Programmable Multi-Level **IC** IC Rated

* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Accessory Information

HANGER BAR - MOUNTING BRACKETS

XA-MB4
- Kit contains 4

HANGER BAR - MOUNTING C-CHANNEL

XA-MC14
- Pair of 14" (356mm) rigid 3/4" x 1/2" (19mm x 13mm) galvanized C-Channel bars

XA-MC22
- Pair of 22" (559mm) rigid 3/4" x 1/2" (19mm x 13mm) galvanized C-Channel bars

XA-MC30
- Pair of 30" (762mm) rigid 3/4" x 1/2" (19mm x 13mm) galvanized C-Channel bars

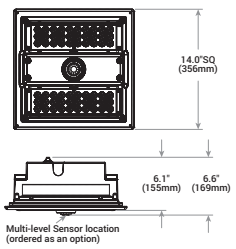
HAND-HELD REMOTE

XA-SENSREM
-For successful implementation of programmable multi-level option, a minimum of one hand-held remote is required

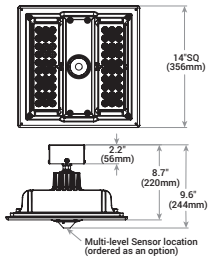
Dimensions

304 SERIES™ RECESSED CANOPY

RD MOUNT

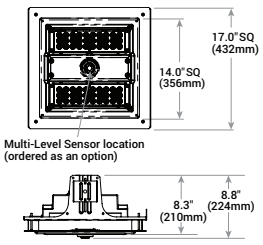


RS MOUNT

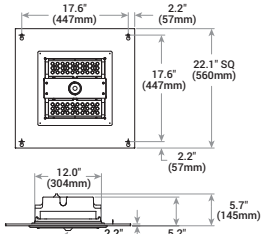


304 SERIES™ RECESSED SOFFIT

RM MOUNT



RT MOUNT



You May Also Be Interested In:

304 SERIES™ FLOOD
Low-Profile Flood Lighting Solutions

304 SERIES™ PARKING STRUCTURE
Low-Profile Parking Structure Lighting Solutions

304 SERIES™ INTERIOR
High-Performance Interior Lighting Solutions

Cree Edge™ Series Surface Mount Canopy

Cree Edge™ Surface Mount Canopy

THE PRODUCT THAT HELPED START A REVOLUTION.

Successfully launched in 2007, Cree Edge™ canopy products helped set the standard for performance and value. Available in a variety of LED counts, multiple drive currents and optical distributions, Cree Edge™ canopy luminaires offer a scalable solution that provides exacting illumination performance. Cree Edge™ canopy luminaires have continued to advance over the years and offer more value today than ever before.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL wet listed
- Compliance IES BUG ratings available
- Photometric testing to IESNA-79-08 standards
- Two-Level options
- Modular, low-profile design

APPLICATIONS

- Airport, auto dealership, corporate & office, education, government & municipal, healthcare, industrial & warehouse, petroleum & convenience store, restaurant & hospitality, retail & grocery

Cree Edge™ Series Surface Mount Canopy

Ordering Information

Example: CAN-EDG-3M-DM-06-E-UL-SV-525-ML

FAMILY	PRODUCT	OPTIC		MOUNTING	# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
CAN	EDG	**1S** Type I Short **3M** Type III Medium **5M** Type V Medium **5S** Type V Short **PS** Petroleum Symmetric **SL** Sparkle Petroleum	**15** 15° Flood **25** 25° Flood **40** 40° Flood **70** 70° Flood	**DM** Direct **PD** Pendant **UP** Uplight	**04** **06** **08** **10** **12** **14** **16** **20** **24**	E	**UL** Universal 120-277V **UH** Universal 347-480V **34** 340V	**WH** White **SV** Silver **BZ** Bronze **BK** Black	**350** 350mA **525** 525mA **700** 700mA	**40K** 40K CCT **DIM** 0-10V Dimming **F** Fuse **HL** High/Low (175/350/525, Dual Circuit Input) **ML** Multi-Level **P** Photocell **PML** Programmable Multi-Level

* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

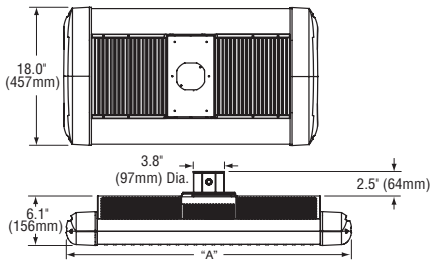
Accessory Information

BIRD SPIKE OPTION (DM AND PD MOUNTS ONLY)	ADAPTOR PLATE KIT (DM MODELS ONLY)	LEVELER (PD MODELS ONLY)	PENDANT KIT OPTIONS (PD MODELS ONLY)	PENDANT FITTING (PD MODELS ONLY)	HAND-HELD REMOTE
 XA-BRDSPK	**XA-CLSB16** - For use when mounting fixture to solid surfaces	**XA-PNDTLVL** - For 0–13° sloped ceilings	**XA-CL12KIT** - 12" (305mm)* **XA-CL18KIT** - 18" (457mm)* **XA-CL22KIT** - 22" (559mm)* * Pendant height to bottom of fixture; mounting accessories or surface boxes will add to overall height.	**XA-PSFTG** **XA-CLHOOK** - 3/4" hook adaptor	**XA-SENSREM** -For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Dimensions

CREE EDGE™ SURFACE MOUNT CANOPY

DM MOUNT



LED Count (x10)	DIM. "A"
04	16.1" (408mm)
06	18.1" (459mm)
08	16.1" (408mm)
10	18.1" (459mm)
12	20.1" (510mm)
14	22.1" (560mm)
16	24.1" (611mm)
20	28.1" (713mm)
24	32.1" (814mm)

You May Also Be Interested In:

VG SERIES PARKING STRUCTURE
Scalable, Versatile Parking Structure Solutions

CREE EDGE™ SERIES WALL MOUNT
Wall Mount Lighting Solutions

CREE EDGE™ SERIES FLOOD
Flood Lighting Solutions

LED PARKING STRUCTURE

There are few better opportunities for LED lighting than parking structures. Typical parking structures operate 24 hours a day, seven days a week. That's a lot of wasted energy and maintenance costs when using traditional light sources. Cree® LED solutions in this space can provide significant energy and maintenance savings, as well as improved illumination performance and reliability.

IG Series

p.166

- Minimum 80 CRI
- CCT: 4000K (+/- 300K), 5700K (+/- 500K)
- Utilizes WaveMax™ Technology
- Acrylic Lenses with DiamondFacet™ optical elements
- Technology driven design
- 6% Uplight
- UL wet listed
- IP66 rated

304 Series

p.168

- Minimum 70 CRI
- CCT: 4000K, 5700K
- UL wet listed
- IP66 rated
- Multi-Level options, integrated occupancy sensor
- Modular, low-profile design

VG Series

p.170

- Minimum 70 CRI
- CCT: 4000K, 5700K
- UL wet listed
- IP66 rated
- Multi-Level options, integrated occupancy sensor
- Compact low-profile design

IG Series Parking Structure

LOW-GLARE ILLUMINATION WITH HIGH-ENERGY EFFICIENCY

Lighting the parking garage presents particular challenges, and the IG Series with WaveMax™ Technology is built for the job. WaveMax™ Technology provides unmatched low-glare comfort and decreased LED source luminance to cast rich illumination that maximizes detail and defeats shadows. The IG Series delivers unprecedented low-glare illumination, exceptional energy efficiency and fast payback, redefining how you think about parking garage lighting.

BENEFITS

- Low-glare illumination
- Low energy consumption
- Easy installation
- Standard 10-year limited warranty on luminaire

FEATURES

- Minimum 80 CRI
- CCT: 4000K (+/- 300K), 5700K (+/- 500K)
- Initial Delivered Lumens: 3,910 or 7,500 lumens
- Efficacy: Up to 118 LPW
- Utilizes WaveMax™ Technology
- Acrylic Lenses with DiamondFacet™ optical elements
- Low profile, lightweight design
- 6% Uplight
- IP66 rated

APPLICATIONS

- Airport, education, government, healthcare and retail

IG Series

IG Series Parking Structure

Ordering Information

Example: **Mount**: IG-JBWH + **Luminaire**: IG-A-NM-5S-A-40K-UL-WH

Fully assembled luminaire is composed of two components that must be ordered separately

MOUNT (Luminaire must be ordered separately)	
IG-JB Junction Box **IG-PD** Pendant	**WH** White

LUMINAIRE (LUMINAIRE MUST BE ORDERED SEPARATELY)							
PRODUCT	MOUNTING	OPTIC	INPUT POWER DESIGNATOR	CCT	VOLTAGE	COLOR	OPTIONS
IG	**NM** No Mount	**5S** Type V Short	**A** 33W, 3,910 lumens - 118 LPW **J** 66W, 7,500 lumens -114 LPW	**40K** 4000K **57K** 5700K	**UL** 120-277V **34** 347V	**WH** White	**PML** Programmable Multi-Level - Refer to PML spec sheet for details

* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

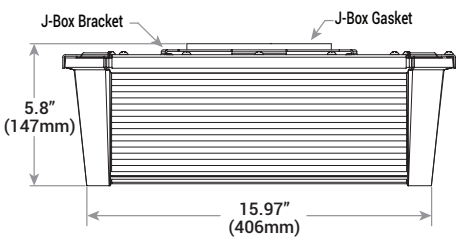
Accessory Information

FIELD-INSTALLED
Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Dimensions

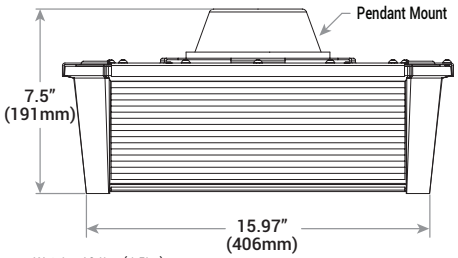
IG SERIES PARKING STRUCTURE

BOX MOUNT



Weight: 10 lbs. (4.5kg)

PENDANT MOUNT



Weight: 10 lbs. (4.5kg)

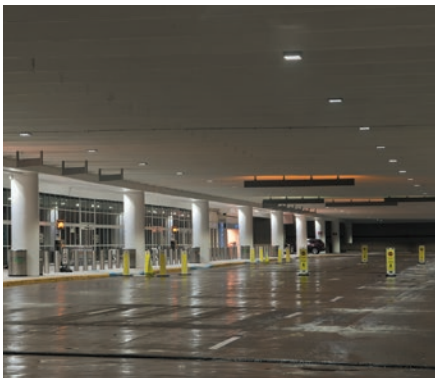
You May Also Be Interested In:

OSQ SERIES AREA
Sleek, Modular Area Lighting Solutions

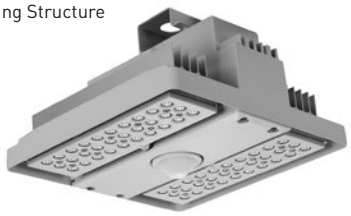
CPY SERIES CANOPY
Outdoor Canopy Solutions

CREE EDGE™ SERIES FLOOD
Flood Lighting Solutions

304 Series™ Parking Structure



304 Series™ Parking Structure



AN OPERATING BUDGET'S NEW BEST FRIEND.

Although LED solutions are well-suited for many applications today, few have the potential to match the opportunity parking structures offer in terms of energy and maintenance savings. Our 304 Series™ luminaire is uniquely qualified to meet the needs in this space, providing improved illumination performance while significantly reducing energy and maintenance costs. Available in 40- or 60-LED configurations, three power conditions and multiple optical distributions, the 304 Series Parking Structure luminaire is an affordable solution that's not short on performance. Add our optional integrated occupancy sensor and make a great energy savings story even better.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/- 300K), 5700K (+/- 500K)
- Exclusive Colorfast DeltaGuard® Finish
- UL wet listed
- Multi-Level options
- Integrated occupancy sensor
- Low-profile design

APPLICATIONS

- Airport, corporate & office, education, healthcare and retail

304 Series™ Parking Structure

Ordering Information

Example: PKG-304-5M-HC-04-E-UL-SV-525-ML

PRODUCT	OPTIC	MOUNTING	# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	OPTIONS
PKG-304	**5M** Type V Medium **5S** Type V Short **PS** Petroleum Symmetric **SL** Sparkle Petroleum **40** 40-degree	**DM** Direct Mount **HC** Hook and Cord **PD** Pendant Mount	**04** **06**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V	**SV** Silver **BZ** Bronze **BK** Black **WH** White	**350** 350mA **525** 525mA **700** 700mA (Standard)	**40K** 4000K CCT **DIM** 0-10V Dimming **F** Fuse **J** Alternate Junction Box **ML** Multi-Level (75/525) **PML** Programmable Multi-Level

* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Accessory Information

FIELD-INSTALLED

Pendant Mount Kits
Pendant height from ceiling surface to bottom of the luminaire; mounting accessories or surface boxes will add to overall height
XA-PS12KIT – 12" (305mm)
XA-PS18KIT – 18" (457mm)
XA-PS22KIT – 22" (559mm)

Pendant Mount Fitting
XA-PSFTG** – Pendant Fitting

Pendant Mount Leveler
XA-PNDTLVL – Leveler for 0-13˚ Sloped Ceilings

Bird Guard
XA-XCPBRDGRD – For Pendant or Hook & Cord Mount Only

**Must specify color

Hook & Cord Mount Locking Type Plug
XA-L515P – 120V
XA-L615P – 208/240V
XA-L715P – 277V
XA-L3720P – 347V

Hook & Cord Mount Locking Type Receptacle
XA-L515R – 120V
XA-L615R – 208/240V
XA-L715R – 277V
XA-L720R – 347V

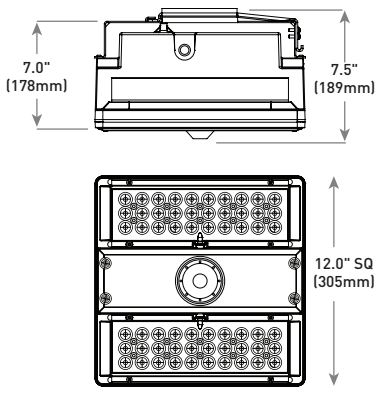
Hook & Cord Mount Steady Lock
SL-C – Steady Lock for Eyebolt

Hand-Held Remote
XA-SENSREM
For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Dimensions

304 SERIES™ PARKING STRUCTURE

DM MOUNT



You May Also Be Interested In:

CREE EDGE™ SERIES CANOPY
Low-Profile, Easy-Mount Canopy Lighting Solutions

CPY SERIES CANOPY
Outdoor Canopy Solutions

CREE EDGE™ SERIES FLOOD
Flood Lighting Solutions

VG Series Vehicle Garage

REIMAGINE PARKING STRUCTURES WITH UNIFORM LED LIGHTING.

The VG Series parking structure luminaire delivers optimal, low-glare illumination by intelligently eliminating direct view of the LEDs with a revolutionary optical system. The state-of-the-art optical system combines the use of indirect view LEDs, an internal reflector and a precision designed lens to distribute illumination at key angles with low glare, exceptional uniformity and desirable uplight. Whether it's an existing parking structure or new construction, the VG Series with its high-performance optical system, architectural aesthetic design and low initial cost delivers where it matters.

BENEFITS

- Indirect view optical system
- Low glare and exceptional uniform lighting
- Easy and quick installation
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/- 300K), 5700K (+/- 500K)
- UL wet listed, IP66 rated
- Multi-Level options, integrated occupancy sensor
- Modular, low-profile design

APPLICATIONS

- Airport, corporate & office, education, healthcare, and retail

VG Series

VG Series Vehicle Garage

Ordering Information

Example: VG-A-DM-5M-A-40K-UL-SV

PRODUCT	VERSION	MOUNTING	OPTIC	INPUT POWER DESIGNATOR	CCT	VOLTAGE	COLOR OPTIONS	OPTIONS
VG	**A**	**DM** Surface Direct **JB** J-Box **PD** Pendant	**5M** Type V Medium **5W** Type V Wide	**A** 50W	**40K** 4000K **57K** 5700K	**UL** Universal 120-277V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**ML** Multi-Level **PML** Programmable Multi-Level

* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Accessory Information

PERIMETER SHROUD

VG-PSSV

BIRD SHROUD

VG-BS
Must specify finish color. Not available with JB Mount

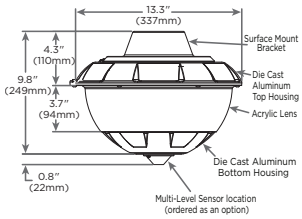
HAND-HELD REMOTE

XA-SENSREM
For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

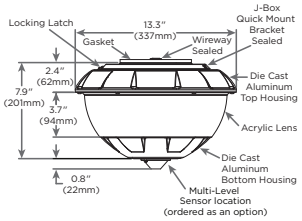
Dimensions

VG SERIES PARKING STRUCTURE

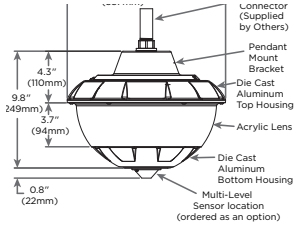
DM MOUNT



JB MOUNT



PD MOUNT



You May Also Be Interested In:

OSQ SERIES AREA
Sleek, Modular Area Lighting Solutions

CPY SERIES CANOPY
Outdoor Canopy Solutions

CREE EDGE™ SERIES FLOOD
Flood Lighting Solutions

LED FLOOD

The term flood lighting seems to imply limited optical control. Not from a Cree® lighting solution. Cree LED Flood products provide exacting control to meet a wide range of applications. From general illumination for parking lots to tight beams of light that precisely accent architecture and flags, Cree has the optical choices and control needed to effectively illuminate most any application.

OSQ Series

p.174

- Minimum 70 CRI (4000K, 5700K), 80 CRI (3000K)
- CCT: 3000K (+/- 300K), 4000K (+/- 300K), 5700K (+/- 500K)
- Utilizes NanoOptic® Technology
- Lumen Range: 7,644 - 25,000
- cULus Listed

Cree Edge™ Series

p.176

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL wet listed
- Modular, low-profile design

304 Series™

p.178

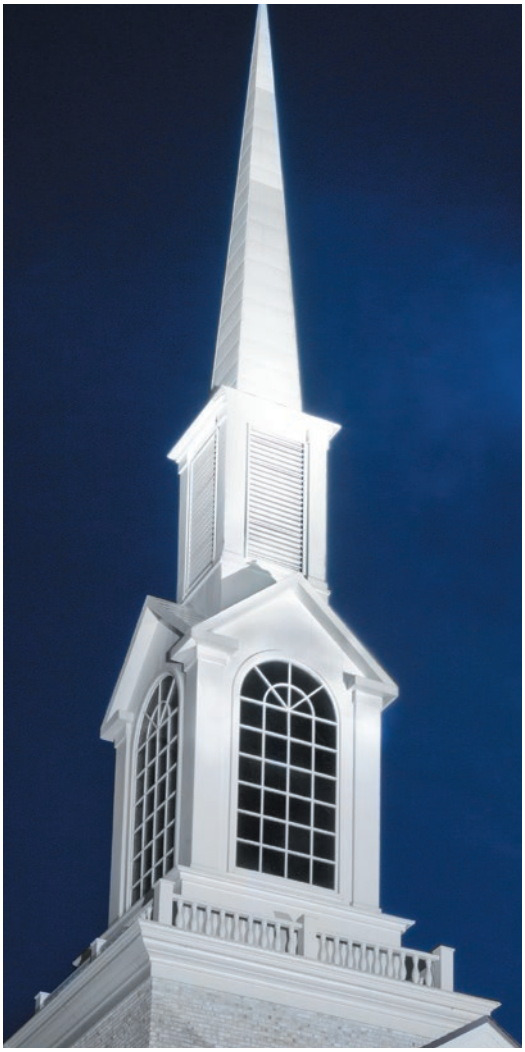
- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL wet listed
- Low-profile design

OL Series™

p.180

- Minimum 70 CRI
- CCT: 3500K (+/-100K), 4000K (+/-100K), 5700K (+/-500K)
- UL wet listed
- Step and continuous dimming options
- 360° adjustability in 5° increments
- Available in 2-, 4- and 8-foot lengths

OSQ Series Flood



FAÇADES THAT INVITE AND IMPRESS.

Improve the overall look of your facades and signage with the OSQ™ LED luminaire. The slim, low profile design adds architectural appeal to any general flood lighting application with crisp uniform white light. With remarkable color quality and smooth white light, buildings and signage will stand out in the crowd.

BENEFITS

- Suitable upgrade for HID applications up to 750 Watts
- Simple installation and angle adjustment
- Slim, low-profile design
- Improved energy and maintenance savings
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI (4000K & 5700K); 80 CRI (3000K)
- CCT: 4000K (+/- 300K), 5700K (+/- 500K)
- Exclusive Colorfast DeltaGuard® Finish
- Utilizes NanoOptic® Technology
- cULus Listed

APPLICATIONS

- Airport, Auto Dealership, Corporate & Office, Education, Government, Healthcare, Industrial & Warehouse, Municipal, Pedestrian, Petroleum & Convenience Stores, Recreation & Public Venues, Restaurants & Hospitality, Retail & Grocery, Roadway

OSQ™ Flood

OSQ™ Flood Utility

OSQ Series Flood

Ordering Information

Example: **Mount**: OSQ-AA-SV + **Luminaire**: OSQ-A-NM-WSN-A-40K-UL-SV

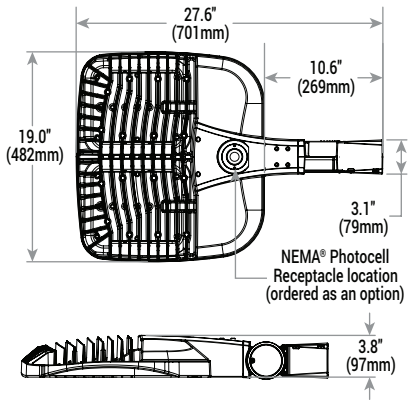
MOUNT	COLOR OPTIONS
OSQ-AA Adjustable Arm	**BK** Black **BZ** Bronze **SV** Silver **WH** White

PRODUCT	VERSION	MOUNTING	OPTIC	INPUT POWER DESIGNATOR	CCT	VOLTAGE	COLOR OPTIONS	OPTIONS
OSQ	**A**	**NM** No Mount	**ASYMMETRIC:** **2ME** Type II Medium **3ME** Type III Medium **4ME** Type IV Medium	**A** 112W **J** 168W **S** 223W **U** 215W	**30K** 3000K **40K** 4000K **57K** 5700K	**UL** Universal 120–277V **UH** Universal 347–480V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**DIM** **0-10V Dimming** - Control by others - Refer to Dimming spec sheet for details - Can't exceed Wattage of specified input power designator **F** **Fuse** When code dictates fusing, use time delay fuse **ML** **Multi-Level** - Refer to ML spec sheet for details - High: 100%, Low: 30% - Intended for downlight applications at 0˚ tilt **PML** **Programmable Multi-Level, 20-40' Mounting Height** - Refer to PML spec sheet for details - Intended for downlight applications at 0˚ tilt **PML2** **Programmable Multi-Level, 10-30' Mounting Height** - Refer to PML spec sheet for details - Intended for downlight applications at 0˚ tilt **Q9** **Field Adjustable Output** - Refer to Field Adjustable Output spec sheet for details **R** **NEMA® Photocell Receptacle** - Intended for downlight applications with maximum 45˚ tilt - 3-pin receptacle per ANSI C136.10 - Photocell and shorting cap by others **RL** **Rotate Left** - LED and optic are rotated to the left **RR** **Rotate Right** - LED and optic are rotated to the right
			SYMMETRIC: **5ME** Type V Medium **5SH** Type V Short **WSN** Wide Sign **15D** 15˚ Flood **25D** 25˚ Flood **40D** 40˚ Flood **60D** 60˚ Flood	**B** 86W **K** 130W **T** 171W **U** 215W				

*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Dimensions

OSQ SERIES FLOOD WITH OSQ-AA MOUNT



Accessory Information

BACKLIGHT SHIELD

OSQ-BLSMF – Front facing optics
OSQ-BLSMR – Rotated optics

HAND-HELD REMOTE

XA-SENSREM for PML Option

You May Also Be Interested In:

IG SERIES PARKING STRUCTURE
Parking Structure Solutions

XSP SERIES WALL PACK
Affordable Site Lighting Solutions

OSQ SERIES AREA
Low-Profile Area Lighting Solutions

Cree Edge™ Series Flood

A FLOOD LIGHTING SOLUTION WITH PRECISE OPTICAL CONTROL.

Cree Edge™ Flood products offer precise optical control that is not typically synonymous with flood lighting solutions. Available in multiple optical distributions as well as LED counts and power conditions, Cree Edge™ Flood luminaires offer exacting illumination performance that also maximizes energy savings.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Exclusive Colorfast DeltaGuard® Finish
- UL wet listed
- Two-Level options
- Modular, low-profile design

APPLICATIONS

- Airport, auto dealership, corporate & office, education, government & municipal, healthcare, industrial & warehouse, pedestrian & recreation, petroleum & convenience store, restaurant & hospitality, retail & grocery

Cree Edge™ High Output Flood

Cree Edge™ Flood Square

Cree Edge™ Series Flood

Ordering Information

Example: FLD-EDG-15-AA-12-E-UL-SV-525-40K

PRODUCT	OPTIC	MOUNTING	# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
FLD-EHO **FLD-EDG**	**N6** NEMA® 6 **SN** Sign **15** 15° **25** 25° **40** 40° **70** 70°	**AA** Adjustable Arm **SA** Side Arm Mount **HV** Horizontal/Vertical Tenon	**02** **04** **06** **08** **10** **12** **14** **16** **24**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA **525** 525mA **700** 700mA **1000** 1000mA	**40K** 4000K CCT **50K** 5000K CCT **DIM** 0-10V Dimming **F** Fuse **HL** High/Low (175/350/525 Dual Circuit Input) **P** Photocell **R** NEMA® Photocell Receptacle **ML** Multi-Level (75/525)

* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

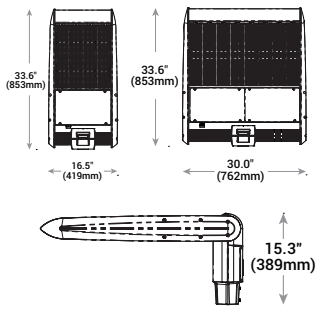
Accessory Information

BIRD SPIKE OPTIONS		BACKLIGHT CONTROL SHIELDS
	XA-BRDSPK (EDG model only) **XA-BRDSPKXAK12** (EHO models only for 120 LED luminaires) **XA-BRDSPKXAK24** (EHO models only for 240 LED luminaires)	**XA-20BLS-4** (EDG models only) **XA-30BLS-4** (EHO models only for 120 luminaires) **XA-30BLS-8** (EHO models only for 240 luminaires)

Dimensions

CREE EDGE™ HIGH OUTPUT FLOOD

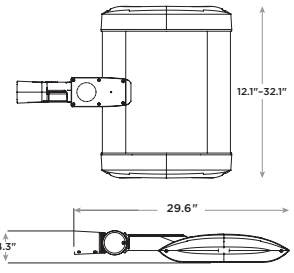
HV MOUNT



HV Mount (shown in vertical position)

CREE EDGE™ FLOOD SQUARE

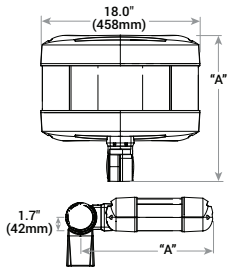
AA MOUNT



LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

SA MOUNT LINE

SA MOUNT



LED Count (x10)	Dim. "A"	Weight
02	16.0" (406mm)	25 lbs. (11kg)
04	18.0" (457mm)	26 lbs. (12kg)
06	20.0" (508mm)	28 lbs. (13kg)

You May Also Be Interested In:

VG SERIES PARKING STRUCTURE
Scalable, Versatile Parking Structure Solutions

CREE EDGE™ SERIES WALL MOUNT
Wall Mount Lighting Solutions

CREE EDGE™ AREA
Sleek, Modular Area Lighting Solutions

304 Series™ Flood

304 Series™ Flood

A VERSATILE LED FLOOD SOLUTION THAT'S ALSO AFFORDABLE.

The Cree 304 Series™ Flood luminaire provides precise optical control with nearly a dozen cataloged distributions to select from to effectively illuminate a wide range of projects. Combined with a yoke mount, our 304 Series Flood luminaire is both versatile and an affordable LED solution that doesn't sacrifice performance.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Exclusive Colorfast DeltaGuard® Finish
- UL wet listed
- Low-profile design

APPLICATIONS

- Airport, auto dealership, corporate & office, education, government & municipal, healthcare, industrial & warehouse, pedestrian & recreation, petroleum & convenience store, restaurant & hospitality, retail & grocery, roadway

304 Series™ Flood

Ordering Information

Example: FLD-304-2M-YM-04-E-UL-SV-350

PRODUCT	OPTIC		MOUNTING	# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
FLD-304	**2M** Type II Medium **3M** Type III Medium **5M** Type V Medium **5S** Type V Short **N6** NEMA® 6 **SL** Sparkle Petroleum **SN** Sign	**15** 15° Flood **25** 25° Flood **40** 40° Flood **70** 70° Flood	**YM** Yoke Mount	**04** **06**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA **525** 525mA **700** 700mA	**40K** 4000K CCT **DIM** 0-10V Dimming **F** Fuse **ML** Multi-Level **PML** Programmable Multi-Level

* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

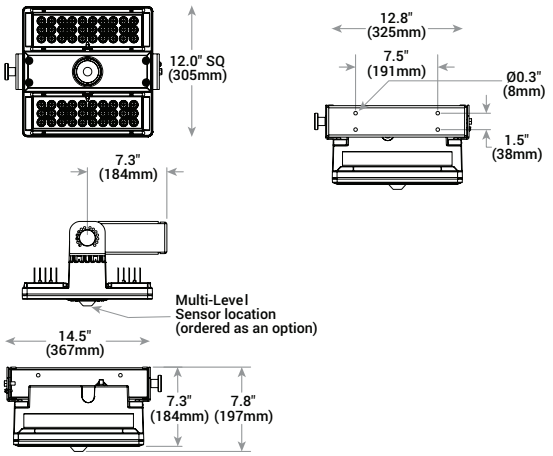
Accessory Information

FIELD-INSTALLED

Hand-Held Remote
XA-SENSREM
- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Dimensions

304 SERIES™ FLOOD



LED Count (x10)	WEIGHT
04	23 lbs (10.4kg)
06	23 lbs (10.4kg)

You May Also Be Interested In:

304 SERIES™ CANOPY
Canopy Lighting Solutions

304 SERIES™ PARKING STRUCTURE
Low-Profile Parking Structure Lighting Solutions

304 SERIES™ INTERIOR
High-Performance Interior Lighting Solutions

OL Series™ Linear Flood

AN OUTSIDE-THE-BOX APPROACH TO FLOOD LIGHTING.

Who says floodlights can't be elegant? Our OL Series™ takes the floodlight away from the old "shoe box" design and into an aesthetically pleasing form that doesn't sacrifice performance. Available in 2-, 4- and 8-foot lengths, the OL Series is durably built for outdoor applications, but with an architectural appeal not found in many solutions today. With multiple optical distributions, LED counts and power conditions, the OL Series is versatile enough for both accent lighting or general illumination needs.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 3500K (+/- 100K), 4000K (+/- 100K), 5700K (+/- 500K)
- Exclusive Colorfast DeltaGuard® Finish
- UL wet listed
- Modular, low-profile design
- Rotatable luminaire for proper aiming and uniform illumination

APPLICATIONS

- Airport, auto dealership, corporate & office, education, government & municipal, healthcare, industrial & warehouse, pedestrian & recreation, petroleum & convenience store, restaurant & hospitality, retail & grocery

OL Series™ Linear Flood

OL Series™ Linear Flood

Ordering Information

Example: FLD-OL-25-D4-07-E-UL-WH-700-40K

PRODUCT	OPTIC	MOUNTING	LED COUNT PER FOOT	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
FLD-OL	**2M** Type II Medium **15** 15° Flood **25** 25° Flood **40** 40° Flood **N6** NEMA® 6 **SN** Sign	**D2** Direct Rotatable - 2' (.6m) **D4** Direct Rotatable - 4' (1.2m) **D8** Direct Rotatable - 8' (2.4m)	**07** **14**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA **525** 525mA **700** 700mA (Standard)	**35K** 3500K CCT **40K** 4000K CCT **DIM** 0-10V Dimming

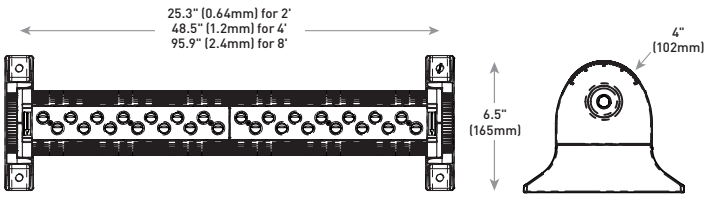
* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Field Installed Accessories

9" (229MM) EXTENSION ARM	12" (305MM) EXTENSION ARM	18" (457MM) EXTENSION ARM
Spaces luminaire center 9" (229mm) away from the mounting surface **XA-XFR9SV** **XA-XFR9WH** **XA-XFR9BK** **XA-XFR9BZ**	Spaces luminaire center 12" (305mm) away from the mounting surface **XA-XFR12SV** **XA-XFR12WH** **XA-XFR12BK** **XA-XFR12BZ**	Spaces luminaire center 18" (457mm) away from the mounting surface **XA-XFR18SV** **XA-XFR18WH** **XA-XFR18BK** **XA-XFR18BZ**

Dimensions

OL SERIES™ FLOOD



You May Also Be Interested In:

CREE EDGE™ SERIES FLOOD
Flood Lighting Solutions

304 SERIES™ FLOOD
Low-Profile Flood Lighting Solutions

304 SERIES™ INTERIOR
High-Performance Interior Lighting Solutions

LED WALL MOUNT

Nothing speaks to security like reliability. Cree® LED products were created utilizing a from-the-ground-up design philosophy that incorporates exceptional thermal management with high-quality components and an unmatched paint finish, making Cree LED solutions highly reliable. The result is an LED system capable of providing more than a decade of near maintenance-free service.

XSP Series

p.184

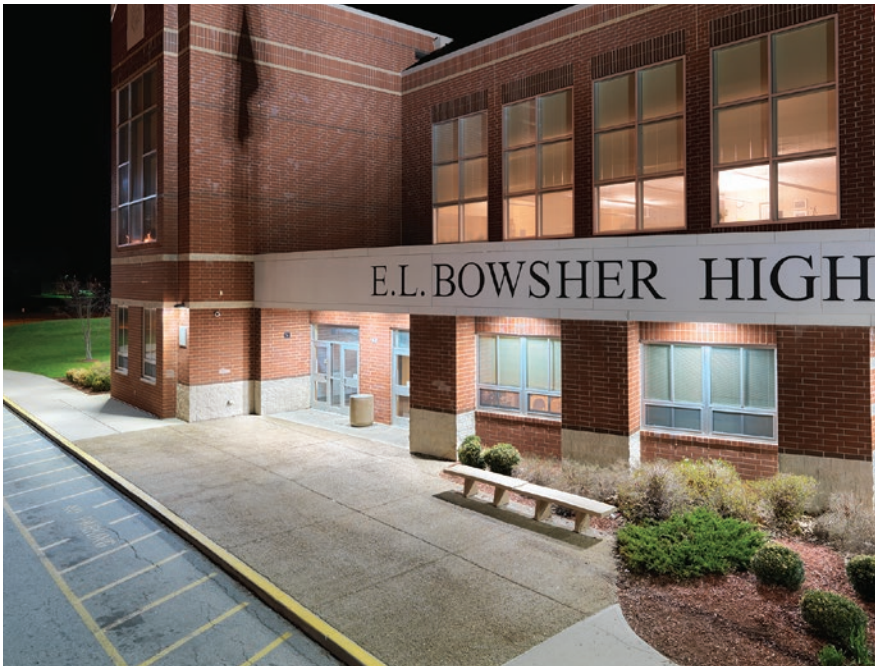
- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Up to 100 lumens per watt
- Two light outputs
- XSP family aesthetics

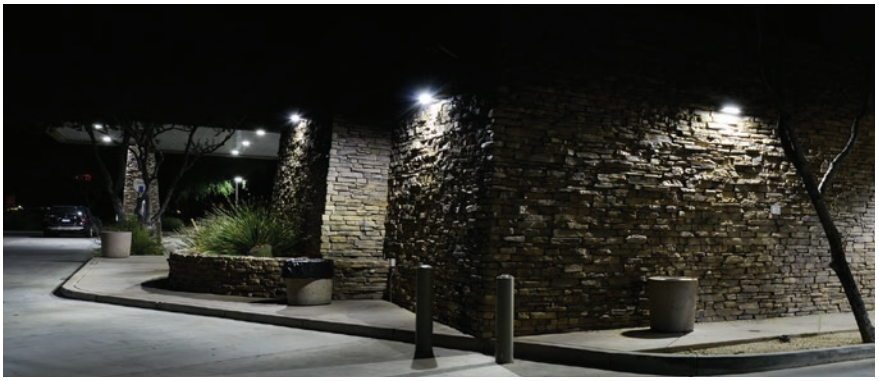
Cree Edge™ Series

p.186

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL wet listed
- Multi-Level options
- Modular, low-profile design

XSP Series Wall Pack





XSPW™

SITE SAFETY WITH LOW COST OF OWNERSHIP.

The XSPW™ LED Wall Pack leverages Cree's innovative technology, developed for the industry-leading XSP Series street lights, offering customers a premier site lighting solution that incorporates exceptional thermal management with high-quality components and an unmatched paint finish, making Cree® LED solutions highly reliable. The result is an LED system capable of providing more than a decade of near maintenance-free service.

BENEFITS

- Upgrade existing wall packs with ease
- High-quality, even illumination that is virtually maintenance free
- Up to 65% energy savings compared to Metal Halide
- Eliminate the relamping cycle
- Combine with the XSP Area for a complete site lighting solution

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/- 300K), 5700K (+/- 500K)
- NanoOptic® Precision Delivery Grid™ optic
- Exclusive Colorfast DeltaGuard® Finish
- Photocell, Dimming and Multi-Level options available
- Suitable for wet locations

APPLICATIONS

- Airport, auto dealership, corporate & office, education, government, healthcare, industrial & warehouse, municipal, parking, petroleum & convenience stores, recreation & public venues, restaurants & hospitality, retail & grocery

XSP Series Wall Pack

Ordering Information

Example: XSPW-A-0-3-F-C-U-S

PRODUCT	VERSION	MOUNTING	OPTIC	MODULES	INPUT POWER DESIGNATOR	VOLTAGE	COLOR OPTIONS	FACTORY INSTALLED OPTIONS
XSPW	A	**0** Wall Mount	**2** Type II Medium **3** Type III Medium	**F** Module 4000K **M** Module 5700K	**C** 42W **G** 25W	**U** Universal 120-277V **1** 120V **2** 208-277V	**Z** Bronze **T** Black **S** Silver **W** White	**Y** 0-10V Dimming **P** Photocell **K** Multi-Level

* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

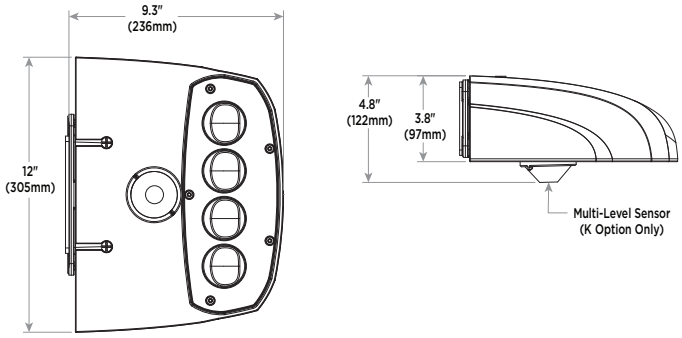
Accessories

FIELD -INSTALLED

Beauty Plate
WM-PLT12** - 12" (305mm) Square
WM-PMT14** - 14" (356mm) Square
- Covers holes left by incumbent wall packs

Dimensions

XSPW™ WALL PACK



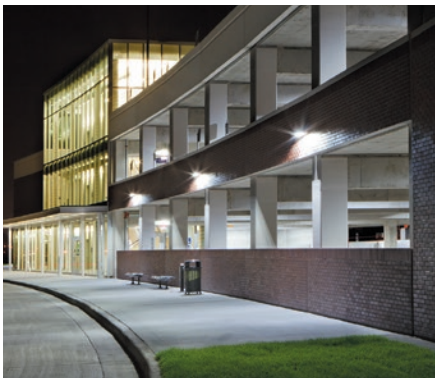
You May Also Be Interested In:

OSQ SERIES FLOOD
Flood Lighting Solutions

XSP SERIES AREA
Aesthetic Area Lighting Solutions

IG SERIES PARKING STRUCTURE
Parking Structure Solutions

Cree Edge™ Series Security



Cree Edge™ Security

BEING SAFE DOESN'T MEAN YOU HAVE TO SACRIFICE STYLE.

Successfully launched in 2007, Cree Edge™ security luminaires helped set the standard for performance and value. Available in 20-LED increments (20 to 120 LEDs), multiple power conditions and optical distributions, Cree Edge™ security luminaires offer a scalable solution that provides precise illumination performance. Cree Edge™ Security luminaires have continued to advance over the years and offer more value today than ever before.

BENEFITS

- Improved illumination performance
- Significant energy and maintenance savings
- Eliminate the relamping cycle
- Standard 10-year limited warranty

FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Exclusive Colorfast DeltaGuard® Finish
- Utilizes BetaLED® Technology
- UL wet listed
- International Dark Sky Association approved
- Multi-Level options
- Modular, low-profile design

APPLICATIONS

- Airport, auto dealership, corporate & office, education, government & municipal, healthcare, industrial & warehouse, pedestrian & recreation, petroleum & convenience store, restaurant & hospitality, retail & grocery

Cree Edge™ Series Security

Ordering Information

Example: SEC-EDG-2M-WM-06-E-UL-SV-525-DIM

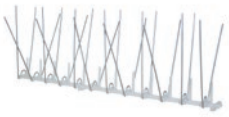
PRODUCT	OPTIC	MOUNTING	# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
SEC-EDG	**2M** Type II Medium **2MB** Type II Medium w/Backlight Shield **2S** Type II Short **2SB** Type II Short w/Backlight Shield **3M** Type III Medium **3MB** Type III Medium w/Backlight Shield **4M** Type IV Medium **4MB** Type IV Medium w/Backlight Shield	**WM** Wall Mount	**02** **04** **06** **08** **10** **12**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V **34** 347V	**BK** Black **BZ** Bronze **SV** Sliver **WH** White	**350** 350mA **525** 525mA **700** 700mA	**40K** 4000K CCT **DIM** 0-10V Dimming **F** Fuse **ML** Multi-Level (75/525) **P** Photocell **PML** Programmable Multi-Level

* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

Accessory Information

BIRD SPIKE OPTION

XA-BRDSPK



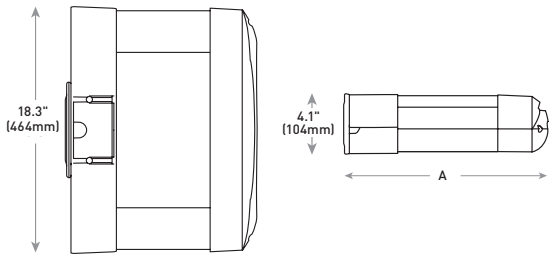
HAND-HELD REMOTE

XA-SENSREM for PML Option

Dimensions

CREE EDGE™ SECURITY

WM MOUNT



LED Count (x10)	DIM. "A"	WEIGHT
02	9.9" (251mm)	20 lbs (9.1kg)
04	11.9" (303mm)	22 lbs (10.0kg)
06	13.9" (353mm)	25 lbs (11.3kg)
08	15.9" (404mm)	27 lbs (2.2kg)
10	17.9" (455mm)	31 lbs (14.1kg)
12	19.9" (505mm)	32 lbs (14.5kg)

You May Also Be Interested In:

VG SERIES PARKING STRUCTURE
Scalable, Versatile Parking Structure Solutions

CREE EDGE™ AREA
Sleek, Modular Area Lighting Solutions

CREE EDGE™ SERIES PATHWAY
Pathway Lighting Solutions

Notes

Bowsher High School - Toledo, OH
OSQ Series Area

FAST COMPANY

2015 MOST INNOVATIVE COMPANIES

It's Official: We're #1 in Energy Innovation.

Each year, Fast Company recognizes companies and products that transform how we consume energy, and for 2015, Cree was #1 in the Energy Innovation sector and #19 in Overall Innovation.

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