



# 2013 LED Lighting Catalog

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## Cree LED Lighting

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LOOK TO CREE FOR

# Proven 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 downlights 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

# 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.



### **Cree TrueWhite® Technology**

Powered by Cree TrueWhite® Technology, only Cree indoor LED fixtures can deliver our exclusive combination of industry-leading efficacy, 90+ CRI and consistent warm or cool color temperatures.

The Cree advantage begins with mixing the light from red and Cree unsaturated yellow LEDs — among the highest-performing LEDs on the market. Every Cree fixture is then color tuned as a complete system for the utmost consistency in performance.

The result is beautiful white light with superior color accuracy and consistency, using significantly less energy than traditional lighting—a true no-compromise solution.

### **Limited Warranty**

Cree offers a standard 10-year limited warranty that covers the broadest product range in the industry. Cree's standard 10-year limited warranty covers nearly all Cree globally available commercial-grade indoor and outdoor fixtures. To learn more about the products covered under this industry-leading Limited Warranty, please visit [www.cree.com/lighting/products/warranty](http://www.cree.com/lighting/products/warranty).



### **DeltaGuard® Finish**

Exclusive to Cree outdoor fixtures and poles, the DeltaGuard® Finish is the finest industrial-grade finish available and carries an industry-leading standard 10-year limited warranty. Each outdoor fixture follows an immersion process that includes six cleaning stages, eight pre-treatment states and an epoxy e-coat before the topcoat is applied. The baked-on, ultra-durable powder topcoat is the last step to a truly outstanding finish that provides ultraviolet-light resistance, corrosion resistance, fade protection and more.

### **NanoOptic® Technology**

With patented NanoOptic® technology available in more than 20 distributions, Cree outdoor LED fixtures provide new possibilities for highly-optimized target-illumination performance and the flexibility needed to achieve application-specific lighting requirements. The NanoOptic® refractor system offers superior light control with more lumens delivered in the target area, improved uniformity ratios and controlled high-angle brightness.

## WHY CREE LED LIGHTING?

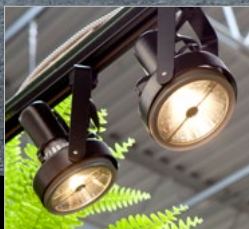
# Benefits at Every Turn

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 SiC, to developing the components, to manufacturing complete lighting systems, our portfolio benefits from Cree's unrelenting pursuit of developing the most advanced LED lighting available.



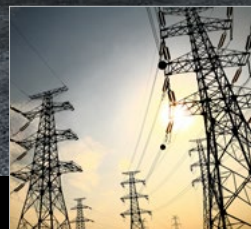
### Proven Quality & Performance

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 substantial 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

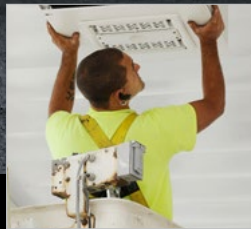
One of the main advantages of LED lighting is reduced power consumption. Cree LED lamps and luminaires use just a fraction of the energy required to operate traditional lighting; as energy demands rise, the cost savings and carbon reduction from upgrading to LED lighting will continue to reduce operational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





## How you speak

Your brain always thinks before you speak.

It takes about 1/10th of a second for your brain to process what you are saying and then send the signal to your mouth to speak.

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CREE MEETS YOUR NEEDS

# Customer Benefits

At Cree we are 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 impactful energy-efficient lighting and aspire to improve every installation with uncompromising performance and payback.

## Operational Savings

Installing energy-efficient, long-lasting Cree LED lights offers valuable financial benefits in the form of lower utility bills and maintenance costs and shows that your business is environmentally conscious. Unlike with CFLs, which contain toxic mercury, you can feel good that the savings you'll see do not come at the expense of the environment.

## Utility Rebates

Cree LED lighting products that have earned the ENERGY STAR® label are often eligible for utility rebates across the country. Instant rebates lower the initial cost to upgrade while others offer longer-term discount energy rates, making it even easier for you to begin saving.

Visit [www.cree.com/lighting/tools-and-support/rebates](http://www.cree.com/lighting/tools-and-support/rebates) to find rebates in your area.

## ENERGY STAR®



As an ENERGY STAR® partner, Cree® LED lighting is proud to offer a variety of ENERGY STAR®-qualified products which meet and exceed the efficiency and performance guidelines set by the U.S. Department of Energy. Besides reducing your energy load, installing ENERGY STAR®-approved Cree LED lighting products can contribute points toward coveted LEED certifications and help you meet rapidly-approaching federal energy reduction mandates.

## Mercury-Free

With mercury-free components, Cree LED lighting products offer a more environmentally-safe alternative to other high-efficiency light sources like CFLs and HIDs, which contain toxic mercury vapor. Our luminaires are also housed in aluminum materials, which are readily recyclable, further eliminating the potentially hazardous effects of disposal.

## Industry-Leading Limited Warranty

Cree's Standard 10-year limited warranty covers nearly all Cree globally-available commercial-grade indoor and outdoor fixtures. As a fully-integrated LED lighting company with some of the longest-running field LED lighting installations, this Standard 10-year limited warranty underscores our commitment to the long-term performance and reliability of Cree products.

For details on the Cree limited warranty, please visit:  
[www.cree.com/lighting/products/warranty](http://www.cree.com/lighting/products/warranty).



Essentia® Surface Cylinder

CREE PROVIDES

# A Solution for Every Application, Every Setting

We set the bar high, using only the best technologies and materials. With an uncompromising focus on the high-quality light that your spaces deserve and the payback you demand, we have a solution for any project — whatever the application, whatever the budget.

## LED DOWNLIGHTS



Cree LED downlights deliver beautiful ambient lighting and valuable energy savings to elevate the look of your space along with your financial benefits.

## LED LAMPS



Cree LED lamps deliver long-lasting, high-impact lighting to focus attention where you need it while also reducing your monthly maintenance costs.

## LED TROFFERS



Cree LED troffers deliver clean, low-glare light that's also affordable, creating quiet ceilings that are better for your eyes and your operating budget.

## EXTERIOR LED LIGHTS



Cree exterior LED lights deliver impressive energy savings with crisp, bright light for improved campus visibility and the payback you demand.



LRP-38™



CR22™

CR24™

CR6™

Cree Edge™ Area Round



## LED ARCHITECTURAL DOWNLIGHTS

### Essentia® Series

Recessed Round / Recessed Square p.18



### Essentia® Series

Surface Cylinder p.20



### SR Series

SR6™ p.22



### KR Series

KR6™ p.24



### LR Series

LR4™ p.26



## LED DOWNLIGHTS

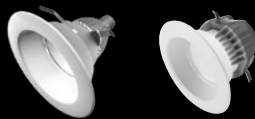
### LR Series

LR6™ / LR6-10L / LE6™ p.30



### CR Series

CR6™ / CR4™ p.32



## LED TROFFERS

### AR Series Troffers

AR24™ / AR22™ p.36



### CR Series Troffers

CR24™ / CR14™ / CR22™ p.38



### CR Series Light Engines

CR-LE Long / CR-LE Short p.40



### LR Series

LR24™ p.42



## LED HIGH-BAY/LOW-BAY

### CS Series Linear

CS18™ / CS14™ p.46



### 304 Series™

304 Series™ Interior p.48



### Cree Edge™ Series

Cree Edge™ Interior Round p.50



## LED LAMPS & ACCENTS

### LBR Series

LBR-30™ p.54



### LRP Series

LRP-38™ p.56



### LRP-10L Series

LRP38-10L p.58



### LM Series

LM16 p.60



### OL Series™

OL Series™ Linear p.62



## LED CONTROLS

Lutron EcoSystem®  
Enabled p.66





# 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.



# 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.





### Interior 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 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-saving technology like Cree's efficient LED luminaires is essential to achieve Department of Energy initiatives.



### Interior 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 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.



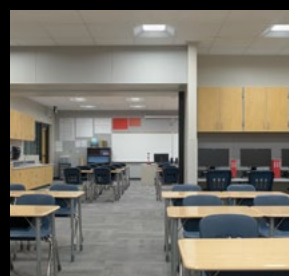
### Restaurant & Hospitality

Cree luminaires are the ideal solution for multiple-location franchise installations because they offer the versatility of optical selections and upgradable modular LED light bars 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 savings by implementing environmental solutions. Schools and universities looking for sustainable lighting alternatives are selecting Cree.





TRUE COLOR MATTERS

# Proven, Revolutionary Technology

Color is a powerful element in every space. It establishes the tone and personality of our homes and businesses. It not only shapes our moods, it can influence our buying decisions and enhance our ability to learn and interact.

Consumers are naturally drawn to rich colors. The vibrant shades found in fruit and produce reveal their freshness. Colorful settings appeal to our senses, engaging students and employees. Meanwhile, our natural skin tones reveal our health and facilitate better human interaction.

In these ways, the color rendering property of light plays a critical role in creating spaces that appeal, inspire and inform. With 90+ CRI, fixtures powered by **Cree TrueWhite® Technology** beautifully render the true colors of everything from fresh fruit to school books, delivering superior value beyond traditional financial returns.



**CREE**   
**TRUE WHITE**  
TECHNOLOGY



**90**  
CRI

90 CRI under Cree LED lighting

**80**  
CRI

80 CRI under fluorescent lighting

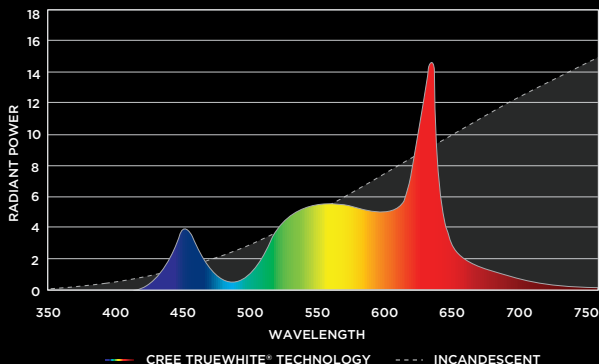


### Like Halogen, But Better

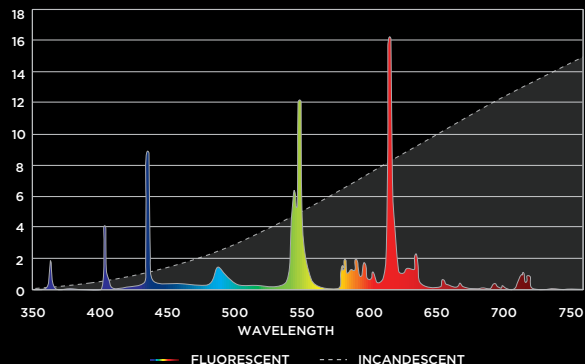
The Spectral Power Distribution (SPD) curves shown here provide a great way to compare the color characteristics of **Cree TrueWhite® Technology** with traditional technologies. At each point across the visible color spectrum, the height of the SPD curve correlates with how accurately that color is rendered by the light source.

The fuller, more continuous curve of Cree TrueWhite® Technology enables our LED lamps to precisely render a much larger color set than CFLs. The similarities in the Cree TrueWhite® Technology and incandescent SPD curves also give our lamps their signature halogen-like light, while still using a fraction of the energy of even CFLs.

Spectral Power Distribution (Cree LED Lamps)



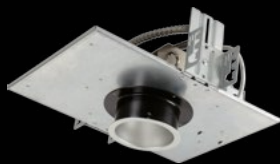
Spectral Power Distribution (CFLs)



# LED Architectural Downlights

Cree LED architectural 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 savings — a true no-compromise solution.





### Essentia® Series Recessed

p.18

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



### Essentia® Series Surface Cylinder

p.20

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



### SR Series

p.22

- Minimum 90 CRI
- CCT: 3000K, 3500K or 4000K
- 1200 or 1800 lumens
- Utilizes Cree TrueWhite® Technology
- 30° or 45° shield angles
- 0-10V dimming to 5%



### KR Series

p.24

- Minimum 90 CRI
- CCT: 2700K, 3000K or 3500K
- 850 or 1250 lumens
- Utilizes Cree TrueWhite® Technology
- 5% dimming at 120V, non-dimmable at 277V



### LR4 Series

p.26

- Minimum 90 CRI
- CCT: 2700K or 3500K
- 515 or 540 lumens
- Utilizes Cree TrueWhite® Technology
- 15° or 30° shield angles
- 20% dimming at 120V

## Essentia® Series Recessed Downlights



Essentia® Series Round



Essentia® Series Square

## A complete range of products to fill the design requirements of today's commercial and high-end residential designs.

A wide product offering of Essentia recessed downlight, adjustable and wall-wash luminaires fill 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 Essentia 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



# Essentia® Series Recessed Downlights

## Ordering Information

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

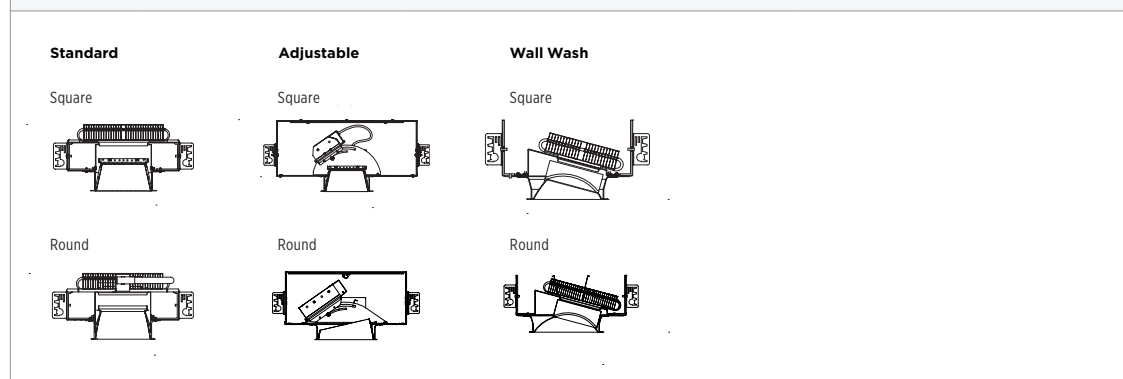
FAMILY	PRODUCT	APERTURE	LED COUNT	LED SERIES	OPTIC	REFLECTOR FINISH	FLANGE FINISH	VOLTAGE	DRIVE CURRENT	OPTIONS
ESA	ADS	4	14	C	NDADJ	SSGC	FF	120	525	27K
	ADR	6	28	D	NSADJ	SSGGR	WF	277		30K
		8	42		NPADJ	SSGBR	XF			35K
			56		LWW	SSGCG				43K
					WD	SSGPE				DH
					MD	SSGWH				FS
					ND	SSGB				MC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



## OPTIONS



\*For example purposes only.

## You May Also Be Interested In:



**ESSENTIA® SERIES SURFACE CYLINDER** p.20  
Architectural Downlighting Solutions



**CR SERIES TROFFERS** p.38  
High-Efficiency, Affordable Troffers



**OL SERIES™ LINEAR** p.62  
Commercial Linear Solutions

## Essentia® Series Surface Cylinder



Essentia® 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

## Essentia® Series Surface Cylinder

## Ordering Information

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

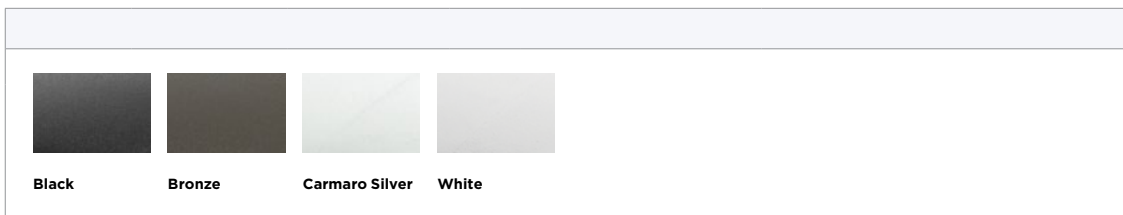
FAMILY	PRODUCT	OPTIC	MOUNTING	LED COUNT	SERIES	VOLTAGE	COLOR	REFLECTOR FINISH	DRIVE CURRENT	OPTIONS
ESA	C10 10" Cylinder	<b>ND</b> Narrow	<b>S</b> Surface	<b>28</b>	<b>D</b>	<b>U</b> 120V to 277V	<b>BK</b> Black	<b>SSGC</b> Clear	<b>525</b> 525mA	<b>27K</b> 2700K
		<b>MD</b> Medium	<b>P</b> Pendent	<b>42</b>			<b>BZ</b> Bronze	<b>SSGGR</b> Graphite		<b>30K</b> 3000K
		<b>WD</b> Wide	<b>SW</b> Wall Bracket	<b>56</b>			<b>CS</b> Carmaro Silver	<b>SSGBR</b> Bronze		<b>35K</b> 3500K
			<b>HP</b> Hangstraight Pendent				<b>WH</b> White	<b>SSGCG</b> Champagne Gold		<b>43K</b> 4300K
			<b>AC1</b> 5' Aircraft Cable					<b>SSGPE</b> Pewter		<b>DH</b> Hi-Lume Dimming (28 and 42 LEDs only)
			<b>AC2</b> 10' Aircraft Cable					<b>SSGWH</b> Wheat		<b>FS</b> Fusing
			<b>AC3</b> 15' Aircraft Cable					<b>SSGB</b> Black		<b>LM</b> Lens Media
								<b>W</b> 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.

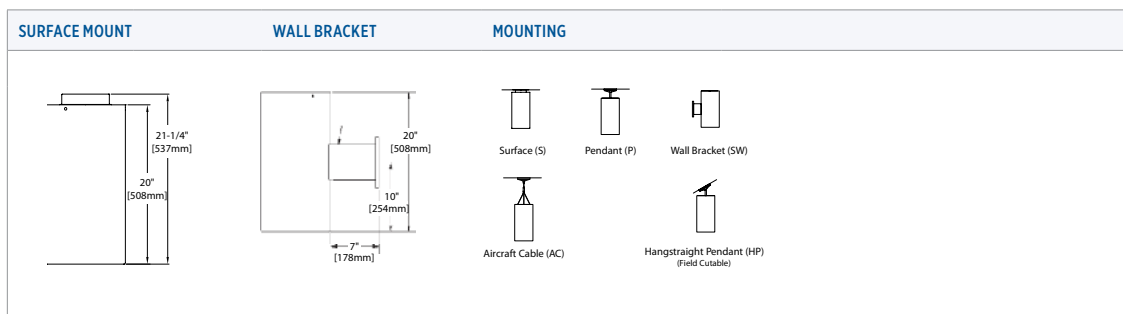
## Reflector Options



## Finish Colors



## Mounting Options



## You May Also Be Interested In:



**ESSENTIA® DOWNLIGHTS** p.18  
Architectural Downlighting Solutions



**CS SERIES LINEAR** p.46  
Commercial Linear Solutions



**CR SERIES TROFFERS** p.38  
High-Efficiency, Affordable Troffers

## SR Series Downlights



SR6™



**Combines quality, aesthetics and efficiency to provide precise light distribution for exceptional visual comfort.**

The SR6™ LED architectural downlight delivers up to 1800 lumens of exceptional 90+ CRI light with efficacy up to 75 lumens per watt. It features Light Source-Reflector Unity™, a highly-effective luminaire design approach that enables exceptional aperture aesthetics by eliminating before-lamp images and creating a uniform light distribution. Combined with Cree TrueWhite® Technology, the SR6 downlight delivers beautiful, high-quality light with greater optical control than ever before. Available in a variety of color temperatures, with high-quality anodized aluminum reflector finishes and out-of-the-box controls compatibility, the SR6 fixture is an ideal solution for downlighting.

### BENEFITS

- Eliminate lamp-before lamp imaging
- Deep 45° shield angle
- Tight color consistency
- Integral controls compatibility
- Tool-less assembly

### FEATURES

- Efficacy up to 75 LPW
- Utilizes Cree TrueWhite® Technology
- Active color management
- Standard 10-year limited warranty
- 75,000-hour rated life
- Standard 5% dimming

### APPLICATIONS

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



## SR Series Downlights

## Ordering Information

Example: **SR6H-A-120V + SR6E-12L-A-30K + SR6T-30-SSGC-FF-WW**

PRODUCT	PSU TYPE	VOLTAGE	CONTROLS
<b>SR6H</b> - 6" Housing	<b>A</b>	<b>120V</b> - 120 Volts <b>277V</b> - 277 Volts	<b>10V</b> - 0-10V Controls

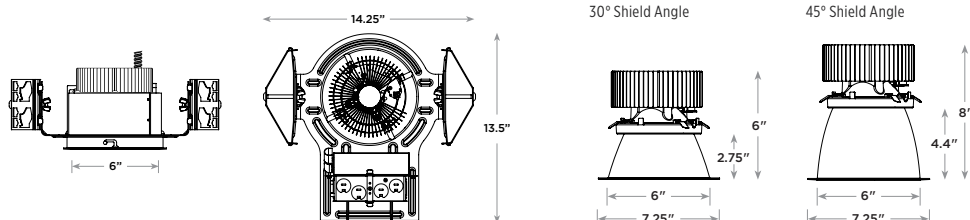
PRODUCT	LUMEN OUTPUT	INPUT POWER	COLOR TEMP.
<b>SR6E</b>	<b>12L</b> - 1200 Lumen Source <b>18L</b> - 1800 Lumen Source	<b>A</b>	<b>30K</b> - 3000K <b>35K</b> - 3500K <b>40K</b> - 4000K

PRODUCT	SHIELD	FINISH	FLANGE FINISH	OPTION
<b>SR6T</b>	<b>30</b> - 30° <b>45</b> - 45°	<b>W</b> - White <b>C</b> - Clear <b>GR</b> - Graphite <b>BR</b> - Bronze <b>CG</b> - Champagne Gold <b>PE</b> - Pewter <b>WH</b> - Wheat <b>B</b> - Black <b>SSGC</b> - Soft Satin Glow Clear <b>SSGGR</b> - Soft Satin Glow Graphite <b>SSGBR</b> - Soft Satin Glow Bronze <b>SSGCG</b> - Soft Satin Glow Champagne Gold <b>SSGPE</b> - Soft Satin Glow Pewter <b>SSGWH</b> - Soft Satin Glow Wheat <b>SSGB</b> - Soft Satin Glow Black	<b>FF</b> - Flat Flange <b>WF</b> - White Flange	<b>Blank</b> - Standard <b>WW</b> - 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.

## Dimensions

## SR6™ DOWNLIGHT



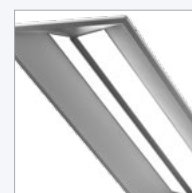
## You May Also Be Interested In:



**ESSENTIA®  
DOWNLIGHTS** p.18  
Architectural Downlighting  
Solutions



**CS SERIES LINEAR** p.46  
Commercial Linear Solutions



**CR SERIES TROFFERS** p.38  
High-Efficiency, Affordable Troffers

## KR Series Downlights



KR4™



KR6™



## Blending solid performance and quality construction.

The KR Series LED specification downlight delivers exceptional 90+ CRI light while achieving efficacies over 54 lumens per watt. Featuring Cree TrueWhite® Technology, the KR Series delivers beautiful, high-quality light with efficacy better than competing fluorescent products. Available in a variety of color temperatures with high-quality anodized aluminum reflector finishes and out-of-the-box dimming compatibility, the KR Series is a great solution for specification-quality downlighting.

### BENEFITS

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

### FEATURES

- Efficacy up to 57 LPW
- Utilizes Cree TrueWhite® Technology
- Active color management
- Standard 10-year limited warranty
- 50,000-hour rated life
- Standard 5% dimming

### APPLICATIONS

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

# KR Series Downlights

## Ordering Information

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

SERIES	SIZE	LUMEN OUTPUT	CCT	VOLTAGE	OPTIONS
KR	4 - 4" Housing 6 - 6" Housing	9L - up to 660 Delivered Lumens 13L - up to 1050 Delivered Lumens 20L - up to 1700 Delivered Lumens 30L - up to 2650 Delivered Lumens	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	120V - 120 Volts 277V - 277 Volts	Triac Dimming 10V - 0/1-10V Dimming

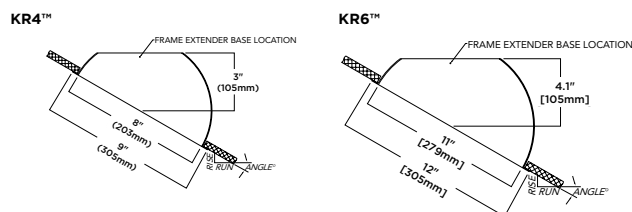
REFLECTOR	REFLECTOR FINISH	FLANGE FINISH	OPTIONS
KR4T KR6T	SSGC - Soft Satin Glow Clear SSGCG - Soft Satin Glow Champagne Gold	FF - Matching WF - White Paint	WW - Wall Wash

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

## Accessory Information

### SLOPED CEILING ADAPTOR

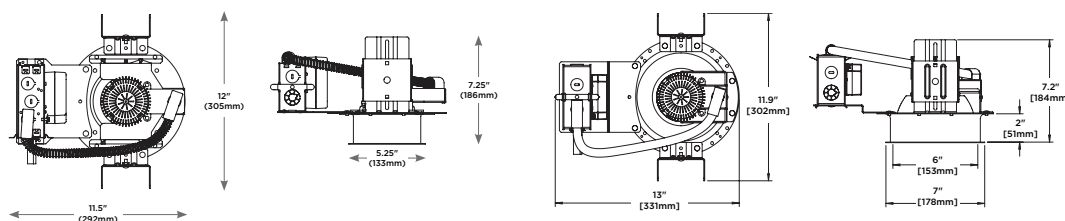
Replace "XX" with an angle, in 5-degree increments between 5 and 35 (example "05" or "35").



## Dimensions

### KR4™ DOWNLIGHT

### KR6™ DOWNLIGHT



## You May Also Be Interested In:



**LR SERIES DOWNLIGHTS p.30**  
Commercial-Upgrade Downlight Solutions



**CS SERIES LINEAR p.46**  
Commercial Linear Solutions



**CR SERIES TROFFERS p.38**  
High-Efficiency, Affordable Troffers



## LR Series Downlights



LR4™



## Smooth, high-end aperture appearance with a low-profile four-inch design.

The LR4™ architectural downlight features a clean, architectural-grade aperture appearance, with up to 30-degree shield angle. Designed for use with an H4 4" architectural housing and the LT4 trims, the LR4 fixture is suitable for new construction applications. The LR4 downlight provides higher efficacy and longer life than Compact Fluorescent Lamps with the beautiful light quality that you would expect from an incandescent.

### BENEFITS

- Up to 50 percent more efficient than CFL
- Reduced maintenance cycles
- High color quality
- Small 4" aperture

### FEATURES

- Efficacy up to 51 LPW
- Utilizes Cree TrueWhite® Technology
- Active color management
- Standard 10-year limited warranty
- 50,000-hour rated life
- Dimmable to 20%

### APPLICATIONS

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

# LR Series Downlights

## Ordering Information

Example: **LR4E-15 + H4 + LT4-15-A**

PRODUCT	SHIELD	CCT	VOLTAGE/BASE
<b>LR4E</b> 4"	<b>15</b> 15°, Shallow <b>30</b> 30°, Deep	<b>Blank</b> 2700K <b>C</b> 3500K	<b>Blank</b> GU24 Base

### HOUSING

**H4**  
4" recessed housing, with GU24 base; rated for use with LR4E

PRODUCT	SHIELD	REFLECTOR FINISH
<b>LT4</b> 4"	<b>15</b> 15°, Shallow <b>30</b> 30°, Deep	<b>A</b> Clear Anodized <b>AW</b> Wheat Anodized <b>AP</b> Pewter Anodized <b>AB</b> Black Anodized <b>WH</b> Flat White <b>BB</b> Smooth Black (reflector and trim)

\*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

### REFLECTOR FINISH OPTIONS



**A**  
Clear



**AW**  
Wheat



**AP**  
Pewter



**AB**  
Black



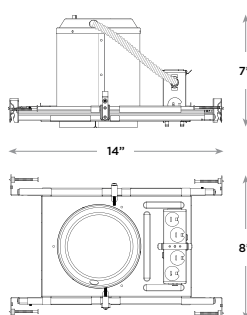
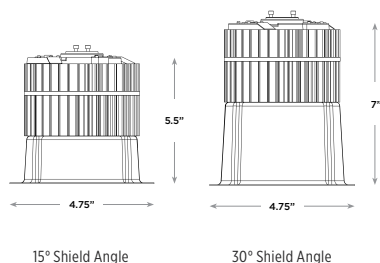
**WH**  
White



**BB**  
Black with black flange

## Dimensions

### LR4™ ARCHITECTURAL DOWNLIGHT



The LR4™ architectural downlight ships as three components: a housing, light engine and trim. Each component must be ordered separately.

**H4**  
Housing

**LR4™**  
Light Engine

**LT4**  
Trim



## You May Also Be Interested In:



**LR SERIES DOWNLIGHTS** p.30  
Commercial-Upgrade Downlight Solutions



**CS SERIES LINEAR** p.46  
Commercial Linear Solutions



**CR SERIES TROFFERS** p.38  
High-Efficiency, Affordable Troffers

# LED 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.





**LR Series**

p.30

- Minimum 90 CRI
- CCT: 2700K, 3000K, 3500K or 4000K
- 650 or 1000 lumens
- Utilizes Cree TrueWhite® Technology
- Shallow and deep recess options
- Dimmable with Triac dimmers at 120V

**CR Series**

p.32

- Minimum 90 CRI
- CCT: 2700K
- 575, 625 or 800 lumens
- Utilizes Cree TrueWhite® Technology
- 4" and 6" sizes
- Dimmable with Triac dimmers at 120V

## 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 1000 lumens of exceptional 90+ CRI light while achieving efficacy of 90 lumens per watt. This breakthrough performance is achieved by combining the high efficacy and high-quality light of Cree TrueWhite® Technology, allowing 90 watts of incandescent light to be replaced using only 11 watts. 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 85 percent more efficient than incandescent
- Reduced maintenance cycles
- High color quality
- Fits in existing 6" housings

### FEATURES

- Efficacy up to 90 LPW
- Utilizes Cree TrueWhite® Technology
- Active color management
- Standard 10-year limited warranty
- 50,000-hour rated life
- Standard 5% dimming

### APPLICATIONS

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

LR6™



LR6-10L



LE6™



## LR Series Downlights

## Ordering Information

Example: **LR6-C-DR-1000-GU24-US**

PRODUCT	COLOR TEMP.	SHIELD	LUMEN OUTPUT	VOLTAGE/BASE	OPTIONS
<b>LR6</b> 6"	<b>Blank</b> 2700K <b>C</b> 3500K	<b>Blank</b> Standard Shield <b>DR</b> 20° Shield	<b>Blank</b> 650 Lumens (use "650" with "DR" Shield option) <b>1000</b> 1000 Lumens	<b>Blank</b> Edison Base <b>GU24</b> GU24 Base <b>277V</b> 277 Volt – Three Pin Connector	<b>Blank</b> Standard <b>US</b> Made in USA

Example: **LR6-10L-35K-120V-A-DR**

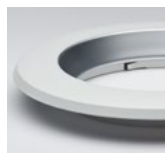
PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE/BASE	GENERATION	SHIELD
<b>LR6</b> 6"	<b>10L</b> - 1000 Lumens	<b>27K</b> - 2700K <b>30K</b> - 3000K <b>35K</b> - 3500K <b>40K</b> - 4000K	<b>120V</b> 120 Volts – GU24 Base	<b>A</b>	<b>DR</b> 20° Shield

\*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 three standard color options.



**LT6A**  
Diffuse Anodized  
Finish Trim



**LT6AW**  
Wheat Diffuse Anodized  
Finish Trim



**LT6AB**  
Black Anodized  
Finish Trim

## 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



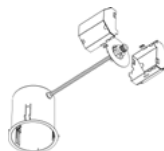
**SC6-WM**  
Wall Mounts



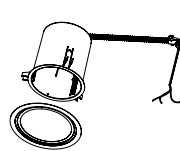
**SC6-CM**  
Cord Mounts

## 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™ DOWNLIGHT	LR6-10L DOWNLIGHT	LE6™ DOWNLIGHT
<p>5.5" / 7.375" / 4.625" / 6"</p>	<p>5.7" / 7.5" / 5.8"</p>	<p>5.5" / 7.375" / 6.25"</p>

## You May Also Be Interested In:



**CR SERIES TROFFER UPKITS** p.40  
Upfit Kits for Fluorescent Troffers



**CS SERIES LINEAR** p.46  
Commercial Linear Solutions



**CR SERIES TROFFERS** p.38  
High-Efficiency, Affordable Troffers



## CR Series Downlights



**Higher efficacy and longer life than compact fluorescent lamps, with the beautiful light quality that you would 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 warm color temperature and have a variety of 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

### FEATURES

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

### APPLICATIONS

- Healthcare, municipal, residential, restaurant & hospitality

CR6™



CR4™



## CR Series Downlights

## Ordering Information

Example: CR6-575L-GU24

PRODUCT	LUMEN OUTPUT	BASE TYPE
CR6 - 6"	575L - 575 Lumens	Blank - Edison Base
CR4 - 4"	625L - 625 Lumens	GU24 - GU24 Base
	800L - 800 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.

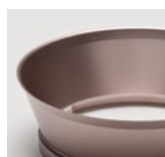
## Accessory Information

## SNAP-IN TRIMS

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



**CT6A**  
Diffuse Finish  
Reflector



**CT6AW**  
Wheat Diffuse Finish  
Reflector



**CT6AB**  
Black Diffuse Finish  
Reflector

## 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



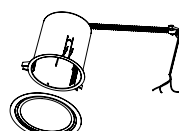
**SC6-CM**  
Cord Mounts

## 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

## You May Also Be Interested In:



**CR SERIES TROFFER  
UPKITS p.40**  
Upfit Kits for Fluorescent Troffers



**LR SERIES DOWNLIGHTS p.30**  
Commercial-Grade Downlight  
Upgrade Solutions



**CR SERIES TROFFERS p.38**  
High-Efficiency, Affordable Troffers

## Dimensions

CR6™	CR6-GU24	CR4™

# LED Troffers

Cree® architectural 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 fixture limited warranty, they deliver a true no-compromise solution.



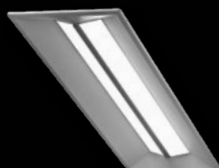




### AR Series Troffers

p.36

- Utilizes Cree TrueWhite® Technology
- Minimum 90 CRI
- CCT: 3500K or 4000K
- 3200 or 4000 lumen options
- Step level to 50%, 0-10V dimming



### CR Series Troffers

p.38

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



### CR Series Light Engine

p.40

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



### LR Series

p.42

- Utilizes Cree TrueWhite® Technology
- Minimum 90 CRI
- CCT: 3500K
- 3200 or 3800 lumen options
- 0-10V dimming to 5%

## AR Series Troffers



AR24™



AR22™



## High quality light, unique full optic design.

The AR Series LED architectural troffer offers an alternative design for installations where the luminaire is center-stage in an application. The full optic design guarantees a maximum distribution of Cree TrueWhite™ Technology by delivering 4000 lumens of 90+CRI light at 100 lumens per watt. The AR Series is available in 2x2 and 2x4 configurations with color temperatures ranging from warm to daylight and is compatible with step, 0-10v and Lutron EcoSystem® enabled dimming control capabilities.

### BENEFITS

- Smooth architectural design
- Superior color accuracy and light consistency
- Outstanding light quality and output
- Significant energy savings
- Years of near-maintenance free service

### FEATURES

- Utilizes Cree TrueWhite® Technology
- Efficacy up to 100 LPW
- Active color management
- Made in the U.S.A. of U.S. and imported parts
- Standard 10-year limited warranty
- Designed to last 75,000 hours

### APPLICATIONS

- Use in new construction or retrofit applications
- High visibility environments where lighting design should match architectural surrounding without distraction
- Ideal for corporate, hospitality and up-scale retail applications

## AR Series Troffers

## Ordering Information

Example: **AR22-32L-35K-S**

PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL	OPTIONS
<b>AR22</b> 2x2 Lay-in	<b>32L</b> 32W 3200 Lumens - 100 LPW	<b>35K</b> 3500K	<b>Blank</b> 120-277V	<b>S</b> Step dimming to 50%	<b>EB14</b> Emergency Backup - 1400 Lumens
<b>AR24</b> 2x4 Lay-in	<b>40L</b> 40W 4000 Lumens - 100 LPW	<b>40K</b> 4000K		<b>10V LES</b> 0-10V dimming to 5% Lutron EcoSystem® Enabled to 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

AR24™	AR22™

## You May Also Be Interested In:



**CR-LE p.40**  
Light Engine Kits to Match the CR Series Troffer



**CS SERIES LINEAR p.46**  
Commercial Linear Solutions



**KR SERIES DOWNLIGHTS p.24**  
Effective, Efficient LED Downlights



## CR Series Troffers



## Redefining commercial lighting by offering a no-compromise alternative when upgrading over fluorescent lighting.

The CR Series architectural LED troffers deliver up to 5000 lumens of exceptional 90+ CRI light while achieving up to 130 lumens per watt. This breakthrough performance is achieved by combining the high efficacy and high-quality light of Cree TrueWhite® Technology with a unique thermal management approach. The CR Series troffers are available in a variety of color temperatures and have step, 0-10V or Lutron EcoSystem® Enabled dimming options. Their compact, lightweight design easily accommodates recessed, surface mount or suspended installations, making the CR Series troffers perfect for use in commercial new construction or retrofit applications.

### BENEFITS

- Significant energy savings
- Years of near-maintenance free service
- Superior color accuracy and consistency
- Easily designed into any space; a variety of lumens, color temperatures and control options

### FEATURES

- Utilizes Cree TrueWhite® Technology or High Definition Color
- Efficacy up to 130 LPW
- Active color management
- Standard 10-year limited warranty
- 50,000-hour rated (90 LPW - High Definition Color)
- 75,000-hour rated (100 LPW - Cree TrueWhite® Technology)
- 100,000-hour rated (Up to 130 LPW Cree TrueWhite® Technology High Efficacy)

### APPLICATIONS

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

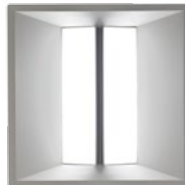
CR24™



CR14™



CR22™



## CR Series Troffers

## Ordering Information

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

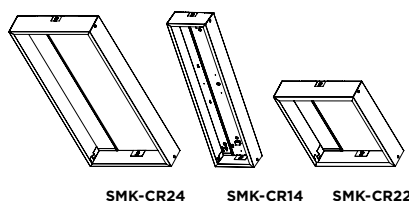
PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL	OPTIONS
<b>CR14</b> 1x4 Lay-in	<b>20L</b> 22W 2000 Lumens - 90 LPW	<b>30K</b> 3000K	<b>Blank</b> 120-277V	<b>S</b> Step dimming to 50% <b>10V</b> 0-10V dimming to 5% <b>LES</b> Lutron EcoSystem® Enabled to 5%	<b>HD</b> High Definition Color - CRI 80+ (90 LPW) <b>32L</b> 35W 3200 Lumens - 90 LPW <b>40L</b> 44W 4000 Lumens - 90 LPW
<b>CR22</b> 2x2 Lay-in	<b>22L</b> 22W 2200 Lumens - 100 LPW	<b>35K</b> 3500K			<b>EB14</b> Emergency Backup - 1400 Lumens
<b>CR24</b> 2x4 Lay-in	<b>31L</b> 34W 3100 Lumens - 90 LPW	<b>40K</b> 4000K			<b>EB14SMK</b> Emergency Backup with Surface Mount Kit - 1400 Lumens
	<b>32L</b> 32W 3200 Lumens - 100 LPW	<b>50K</b> 5000K			
	<b>40L</b> 40W 4000 Lumens - 100 LPW				
	<b>40L HE</b> 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)				
	<b>50L</b> 50W 5000 Lumens - 100 LPW				

\*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

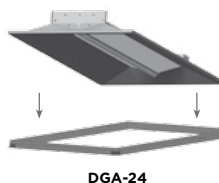
For installing CR Series troffers onto hard ceiling, where above-ceiling installation isn't possible. SMK kits come in a standard white color.



NOTE: Included in EB14SMK option.

## DRYWALL GRID ADAPTORS

For installing CR Series troffers into drywall applications. DGA Kits come in a standard white color. Only available for CR24™ troffer.



## 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

To expand the size of the standard junction box on the CR Series troffers to allow for easier through wiring. Comes in standard five-packs.

**EJBCR-5PK**

NOTE: Use of Expanded Junction Box will expand the depth to 6.67" and Emergency Backup will expand the depth to 6.30".

## CHICAGO PLENUM FIELD KITS

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

**CPLCR**

**CPLCR-EM**  
(for use with EB14 option)

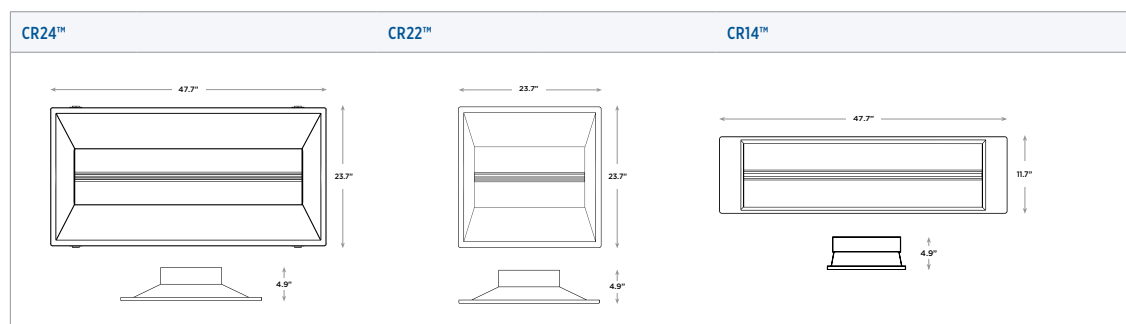
## OTHER ACCESSORIES

**PW-18/4-06-9T/SS-CR**  
(Power Whip)

**AC5-18/4-72-PD8-JB**  
(Adjustable Cable)

**AC5-72-PD8-JB**  
(Adjustable Cable)

## Dimensions



## You May Also Be Interested In:



**CR-LE p.40**  
Light Engine Kits to Match the CR Series Troffer

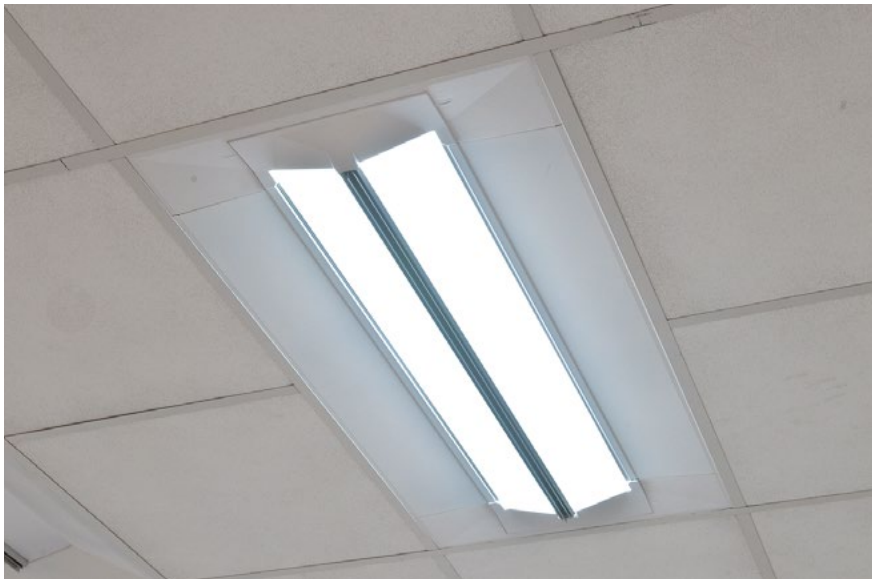


**CS SERIES LINEAR p.46**  
Commercial Linear Solutions



**KR SERIES DOWNLIGHTS p.24**  
Effective, Efficient LED Downlights

## CR Series Light Engines



CR-LE Long (1'x4')



CR-LE Short (1'x2')



Note: Use of Expanded Junction Box will expand the depth to 6.67" and Emergency Backup will expand the depth to 6.30".

## Convert existing fluorescent troffers to efficient LED technology while delivering the same high-quality light and energy savings as the CR Series troffers.

The CR Series Light Engine delivers up to 5000 lumens of exceptional 90+ CRI light while achieving 90 to 130 lumens per watt. This breakthrough performance is achieved by combining the high efficacy and high-quality light of Cree TrueWhite® Technology with a unique thermal management approach. The CR-LE is available in neutral or cool color temperatures and has step, 0-10V or Lutron EcoSystem® Enabled dimming options. Its compact, lightweight design easily accommodates recessed, surface mount or suspended installations, making the CR-LE perfect for use in commercial new construction or retrofit applications.

### BENEFITS

- Significant energy savings
- Years of near-maintenance free service
- Superior color accuracy and consistency
- Easily designed into any space; a variety of lumens, color temperatures and control options

### FEATURES

- Utilizes Cree TrueWhite® Technology or High Definition Color
- Efficacy up to 130 LPW
- Active color management
- Room-side heat sink
- Standard 10-year limited warranty
- 50,000-hour rated (90 LPW - High Definition Color)
- 75,000-hour rated (100 LPW - Cree TrueWhite® Technology)
- 100,000-hour rated (Up to 130 LPW Cree TrueWhite® Technology High Efficacy)

### APPLICATIONS

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

## CR Series Light Engines

## Ordering Information

PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL	OPTIONS
CR-LE	<b>20L (1x2)</b> 22W 2000 Lumens - 90 LPW	<b>30K</b> 3000K	<b>Blank</b> 120-277V	<b>S</b> Step Dimming to 50% <b>10V</b> 0-10V Dimming to 5% <b>LES</b> Lutron EcoSystem® Enabled to 5%	<b>HD</b> High Definition Color - CRI 80+ (90 LPW) <b>32L</b> 35W 3200 Lumens - 90 LPW <b>40L</b> 44W 4000 Lumens - 90 LPW
	<b>32L (1x2)</b> 32W 3200 Lumens - 100 LPW	<b>35K</b> 3500K			
	<b>22L (1x4)</b> 22W 2200 Lumens - 100 LPW	<b>40K</b> 4000K			
	<b>31L (1x4)</b> 34W 3100 Lumens - 90 LPW				<b>EB14</b> Emergency Backup - 1400 Lumens
	<b>40L (1x4)</b> 40W 4000 Lumens - 100 LPW				<b>EB14SMK</b> Emergency Backup with Surface Mount Kit - 1400 Lumens
	<b>40L HE (1x4)</b> 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)				
	<b>50L (1x4)</b> 50W 5000 Lumens - 100 LPW				

\*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 ceilings, where above-ceiling installation isn't possible. Surface Mount Kits come in a standard white color.

**SMK-LE-L'**

Surface Mount Kit for CR Series 1'x4' Light Engines 2200, 4000 and 5000 Lumens

**SMK-LE-S'**

Surface Mount Kit for CR Series 1'x2' Light Engines 2000 and 3200 Lumens

**SMK-LE-EC**

End Caps (2 pack, **required for all SMK installations**, must be ordered separately)

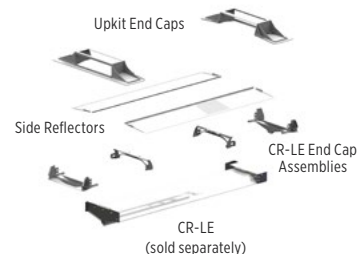
**SMK-LE-JP**

Joiner Plate (optional for continuous row installation)

1. Included in EB14SMK option.

## TROFFER UPGRADE KIT

The CR24™ Upkit is an accessory that converts any Cree CR series light engine to a complete upgrade kit for existing 2'x4' fluorescent luminaires. It installs in most fluorescent troffers and parabolic troffers that have a minimum depth of 3 1/8". Test install prior to ordering project quantities. Not compatible with air handling troffers or EB14, EB14SMK options.

**CR24-UPKIT-1PK - 1 Pack****CR24-UPKIT-4PK - 4 Pack**

## 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%)

Note: Not compatible with SMK or Upkit

## OTHER ACCESSORIES

**PW-18/4-06-9T/SS-CR**  
(Power Whip)**AC5-18/4-72-PD8-JB**  
(Adjustable Cable)**AC5-72-PD8-JB**  
(Adjustable Cable)

## You May Also Be Interested In:



**CR SERIES TROFFERS p.38**  
High-Efficiency, Affordable Troffers



**CS SERIES LINEAR p.46**  
Commercial Linear Solutions



**KR SERIES DOWNLIGHTS p.24**  
Effective, Efficient LED Downlights



## LR Series Troffers



LR24™



**An amazing combination of optical, electronic and mechanical design delivers a soft, low brightness appearance with a contemporary architectural design.**

The LR24™ architectural LED troffer delivers up to 3800 lumens of exceptional 90+ CRI light while achieving up to 100 lumens per watt. This breakthrough performance is achieved by combining the high efficacy and high-quality light of Cree TrueWhite® Technology. The LR24 troffer is available in a neutral color temperature and offers 0-10V DC dimming standard. Its compact, lightweight design easily accommodates recessed installations, making the LR24 luminaire perfect for use in commercial new construction or retrofit applications.

### BENEFITS

- Significant energy savings
- Years of near-maintenance free service
- Superior color accuracy and consistency

### FEATURES

- Utilizes Cree TrueWhite® Technology
- Efficacy up to 100 LPW
- Active color management
- Standard 0-10V dimming
- Five-year limited warranty
- 50,000-hour rated life

### APPLICATIONS

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

## LR Series Troffers

### Ordering Information

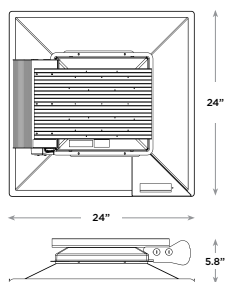
Example: **LR24-32-SKA-35-HE-US**

PRODUCT	LUMEN OUTPUT	APPEARANCE	CCT	EFFICACY	CONTROL	OPTIONS
<b>LR24</b> 2'x2' Lay-in	<b>32</b> 3200 Lumens <b>38</b> 3800 Lumens	<b>SKA</b> Standard	<b>35</b> 3500K	<b>Blank</b> Standard, 44W, 3200 Lumens or 52W, 3800 Lumens <b>HE</b> 32W, 3200 Lumens, 120V 34W, 3200 Lumens, 277V	<b>Blank</b> 0-10V Dimming to 5%	<b>US</b> Made in the USA

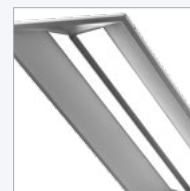
\*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

### Dimensions

#### LR24™ TROFFER



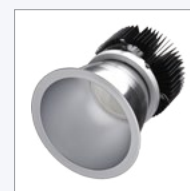
### You May Also Be Interested In:



**CR SERIES TROFFERS p.38**  
High-Efficiency, Affordable Troffers



**CS SERIES LINEAR p.46**  
Commercial-Grade Linear Solutions



**SR SERIES DOWNLIGHTS p.22**  
Architectural Downlighting 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.





### CS Series

p.46

- Minimum 90 CRI
- CCT: 3500K or 4000K
- 4000, 7500 or 8000 lumens
- Utilizes Cree TrueWhite® Technology
- 0-10V dimming to 5%



### 304 Series™

p.48

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



### Cree Edge™ Series

p.50

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



## CS Series Linear



CS18™



CS14™



## Delivers higher CRI, better energy savings, longer life and broader color rendering than traditional fluorescent lamps.

The CS Series LED linear luminaire uses a highly-efficient optical design approach that integrates an upward-facing LED light strip with Cree TrueWhite® Technology and an ultra-lightweight upper reflector featuring all-new Cree MicroMixing™ Optics. Cree MicroMixing™ Optics are formed with tiny impressions on the highly-reflective polymer material. Combined, these individual optics form a complex multi-faceted pattern that blends and redirects the light into space with precise control and color-mixing. Other additions to the advanced optics are the intelligent design and inherent features of the CS Series LED linear luminaire. The housing and reflectors are constructed of high-strength, lightweight polymers resulting in a durable and lightweight design. The multi-functional heat sink is designed to maximize cooling effectiveness by allowing free air movement around and through the luminaire. This breakthrough design enables the LEDs to consistently run cooler, providing significant boosts to lifetime, efficacy and color consistency. The heat sink also doubles as a channel for through wiring which simplifies installation, making continuous row illumination quick and easy.

### BENEFITS

- Delivered lumens up to 8000
- Unmatched lightweight design
- Tool-less electrical access
- Standard dimming to 5 percent

### FEATURES

- Utilizes Cree TrueWhite® Technology
- Active color management
- Efficacy up to 115 LPW
- Made in the U.S.A. of U.S. and imported parts
- Standard 10-year limited warranty
- 50,000-hour rated life (100-LPW units); 75,000-hour rated life (115-LPW units)

### 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
<b>CS14</b> 1x4 Linear	<b>22L</b> 2200 Lumens - 100 LPW	<b>35K</b> 3500K	<b>Blank</b> 120-277V	<b>10V</b> 0-10V Dimming
	<b>38L</b> 3800 Lumens - 100 LPW	<b>40K</b> 4000K		
	<b>38LHE</b> 3800 Lumens - 115 LPW			
	<b>40LHE</b> 4000 Lumens - 115 LPW			
<b>CS18</b> 1x8 Linear	<b>44L</b> 4400 Lumens - 100 LPW	<b>35K</b> 3500K	<b>Blank</b> 120-277V	<b>10V</b> 0-10V Dimming
	<b>75L</b> 7500 Lumens - 100 LPW	<b>40K</b> 4000K		
	<b>80LHE</b> 8000 Lumens - 115 LPW			
	<b>82LHE</b> 8200 Lumens - 115 LPW			

\*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

**TNM: Metal Tong** (pair)**PC5-12/3-48-JB**

48" Power Feed, #12/3 SJT Cord for J-Box Mount

**PC5-18/5-48-JB**

48" Power Feed, #18/5 SJT Cord for J-Box Mount

**PC5-18/2-48-JB**

48" Power Feed, #18/2 SJT Cord for J-Box Mount

## SUSPENDED MOUNT

**ACS-12/3-48-Q14B-JB**

48" Power Feed, #12/3 SJT Cord with Cable Support for J-Box

**ACS-18/5-48-Q14B-JB**

48" Power Feed, #18/5 SJT Cord with Cable Support for J-Box

**ACS-18/2-48-Q14B-JB**

48" Power Feed, #18/2 SJT Cord with Cable Support for J-Box

**ACS-48-Q14B-JB**

48" Cable Support for T-bar mount

**ACS-48-Q14B-JB**

48" Cable Support for T-bar mount

**ACS-48-Q14B-JB**

48" Cable Support for T-bar mount

**PC5-12/3-48-JB**

48" Power Feed, #12/3 SJT Cord, J-Box Mount

**PC5-18/5-48-JB**

48" Power Feed, #18/5 SJT Cord, J-Box Mount

**PC5-18/2-48-JB**

48" Power Feed, #18/2 SJT Cord, J-Box Mount

## You May Also Be Interested In:



**CR SERIES TROFFERS** p.38  
High-Efficiency, Affordable Troffers



**LR SERIES DOWNLIGHTS** p.30  
Commercial-Upgrade Downlight Solutions



**LRP SERIES LAMPS** p.56  
LED PAR Lamp

## Dimensions

## CS18™ LINEAR LUMINAIRE

## CS14™ LINEAR LUMINAIRE



## 304 Series™ Interior



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 convenient stores and warehouses.

### 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)
- Utilizes BetaLED® Technology
- UL wet listed
- 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

## Ordering Information

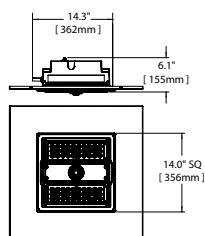
Example: INT-304-PS-RM-04-D-UL-SV-700-40K

PRODUCT	FAMILY	OPTIC	MOUNTING	LED COUNT	SERIES	VOLTAGE	COLOR	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
INT	304	<b>PS</b> Petroleum Symmetric <b>SL</b> Sparkle Petroleum <b>5M</b> Type 5 Medium <b>5S</b> Type 5 Short <b>40</b> 40 Degree Optic	<b>RM</b> Recessed <b>RM-IC</b> Recessed IC	<b>04</b> <b>06</b>	<b>D</b>	<b>UL</b> Universal 120-277V <b>12</b> 120 <b>27</b> 277V	<b>SV</b> Silver <b>BZ</b> Bronze <b>BK</b> Black <b>WH</b> White (Standard) <b>PB</b> Platinum Bronze	<b>700</b> <b>525</b> <b>350</b>	<b>40K</b> 4000K CCT <b>DIM</b> 0-10V Dimming <b>F</b> Fuse <b>ML</b> 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.

## Dimensions

## 304 SERIES™ INTERIOR



## You May Also Be Interested In:



**ESSENTIA® DOWNLIGHTS p.18**  
Architectural-Grade Downlight Solutions



**CS SERIES LINEAR p.46**  
Commercial-Grade Linear Solutions



**304 SERIES™ PARKING STRUCTURE p.108**  
Parking Structure Lighting Solutions



## Cree Edge™ Series Interior Round



Cree Edge™ Interior



## 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)
- Utilizes BetaLED® Technology
- 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™ Series Interior Round

## Ordering Information

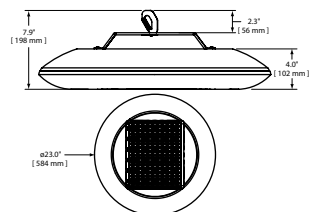
Example: INT-EDR-PS-HC-04-D-UL-SV-700-40K

PRODUCT	FAMILY	OPTIC	MOUNTING	LED COUNT	SERIES	VOLTAGE	COLOR	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
INT	EDR	PS Petroleum Symmetric 40 40 Degree Optic	HC Hood and Cord Mount PD Pendant Mount	04 06 08 10 12	D	UL Universal 120-277V 12 27 277V UH Universal 347V-480V 34 48	SV Silver BZ Bronze BK Black WH White (Standard) PB Platinum Bronze	700 700mA 525 525mA 350 350mA 1000 1000mA	40K 4000K CCT DIM 0-10V Dimming F Fuse HL High/Low (75/525) TL TL1 TL2 TL3 TL4

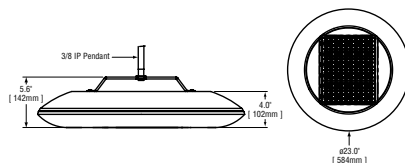
\*Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

## Mounting Options

## HOOK AND CORD (HC)



## PENDANT (PD)



## You May Also Be Interested In:



**CREE EDGE™ AREA ROUND p.78**  
Outdoor Architectural-grade  
Area Lighting



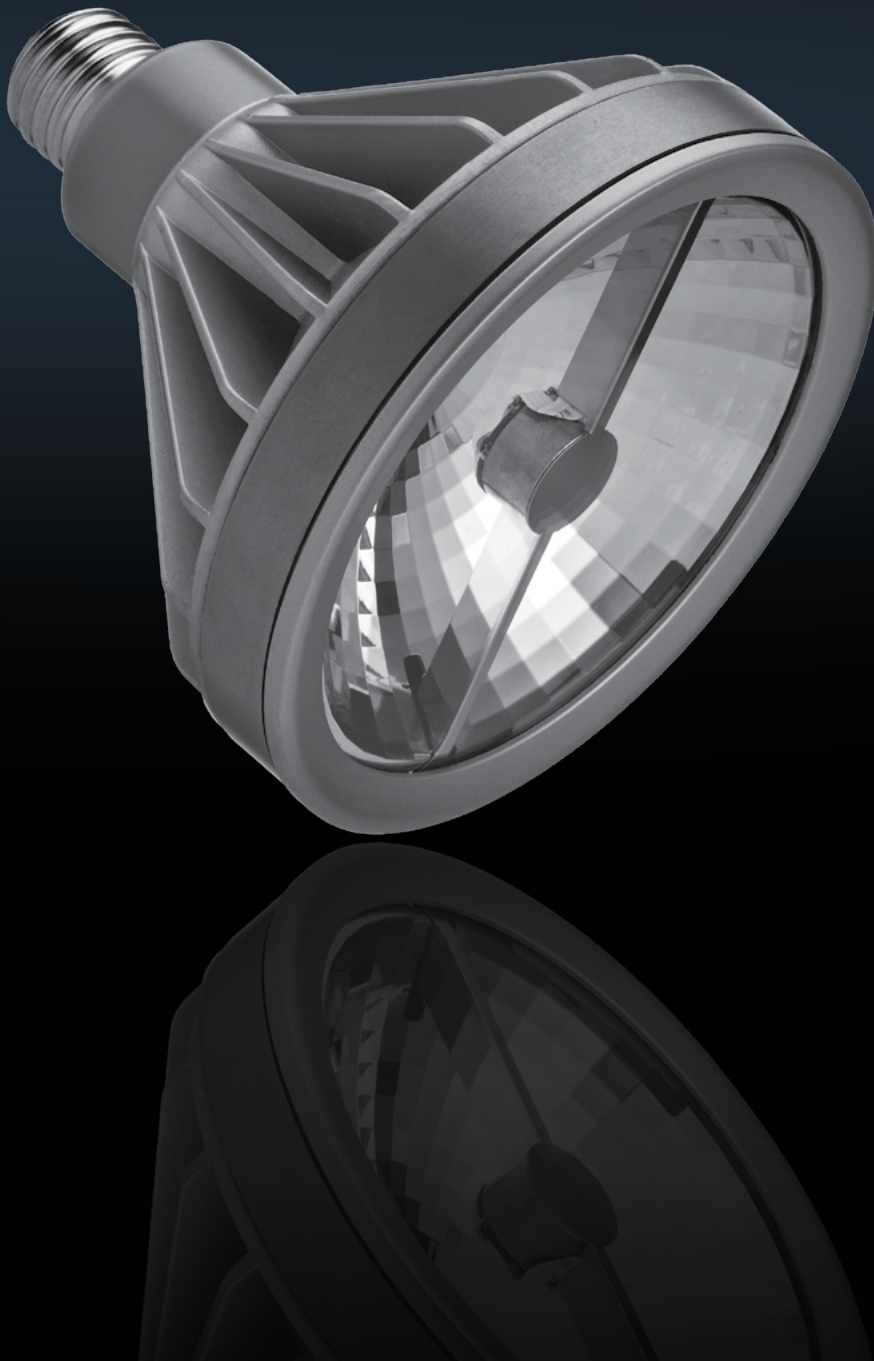
**CS SERIES LINEAR p.46**  
Commercial-Grade Linear Solutions



**CREE EDGE™ CANOPY p.104**  
Outdoor Canopy and Soffit Solutions

# LED Lamps & Accents

Powered by Cree TrueWhite® Technology, Cree® lamps deliver an unrivaled combination of 92+ CRI and efficacy up to 74 lumens per watt. The superior color accuracy of each lamp draws out the naturally vibrant colors of food and merchandise to enhance their appeal, while their high efficacy and longevity significantly reduce both energy and maintenance costs.



**LBR Series**

p.54

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

**LRP Series**

p.56

- 75 watt PAR38 equivalent
- 12 watts
- 94 CRI at 2700K
- 20° beam angle
- Dimmable to 20% with ELV dimmers

**LRP-10L Series**

p.58

- 90 watt PAR38 equivalent
- 13.5 watts
- 92 CRI at 2700K or 3000K
- 12° or 25° beam angles
- Dimmable to 20% with ELV dimmers

**LM Series**

p.60

- 35 or 50 watt MR16 equivalent
- 7 and 9 watts
- 83 CRI at 3000K
- 17°, 25° or 40° beam angles
- Dimmable (50W eq) with select dimmers & transformers

**OL Series™**

p.62

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



## LBR Series Lamps



LBR-30™



**Best-in-class performance and beauty for a true no-compromise retail and accent lighting solution. Higher efficacy and longer life than ceramic metal halide with the beautiful light quality that you would expect from halogen.**

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™ 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 to last at least 25,000 hours
- 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

**LBR30A92-25D**

600 Lumens, 2700K, 94 CRI, 25° Beam Angle, Edison Base

**LBR30A92-25D-GU24**

600 Lumens, 2700K, 94 CRI, 25° Beam Angle, GU24 Base

**LBR30A92-50D**

600 Lumens, 2700K, 94 CRI, 50° Beam Angle, Edison Base

**LBR30A92-50D-GU24**

600 Lumens, 2700K, 94 CRI, 50° Beam Angle, GU24 Base

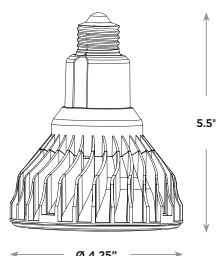
### Accessory Information

**TL**

Lampholder, Edison Socket



### Dimensions

**LBR-30™**


### You May Also Be Interested In:



**LR SERIES DOWNLIGHTS** p.30  
Commercial-Upgrade Downlight Solutions



**CR SERIES TROFFER UPKITS** p.40  
Upfit Kits for Fluorescent Troffers



**LM SERIES LAMPS** p.60  
Efficient Halogen Replacement

## LRP Series Lamps



LRP-38™



**An amazing combination of technical innovations, including breakthroughs in optical design, electronics design, mechanical design and thermal management.**

The LRP-38™ LED PAR38 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 LRP-38 is offered in a warm color temperature of 2700K with a 20-degree beam angle and is available in both Edison and GU24 bases. The LRP-38 LED PAR38 lamp delivers higher CRI, better energy savings, longer life and broader color rendering than traditional 75-watt PAR38 halogen lamps.

### BENEFITS

- ENERGY STAR® qualified to last at least 25,000 hours
- 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
- 4800 CBCP
- 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

## LRP Series Lamps

## Ordering Information

**LRP38-6L-27K-20D-F**

600 Lumens, 2700K, 94 CRI, 20° Beam Angle, Edison Base, NSF/ANSI Standard 2 Certified, Plastic Lens

**LRP38-6L-27K-20D-GU24-F**

600 Lumens, 2700K, 94 CRI, 20° Beam Angle, GU24 Base, NSF/ANSI Standard 2 Certified, Plastic Lens

## Accessory Information

**TL**

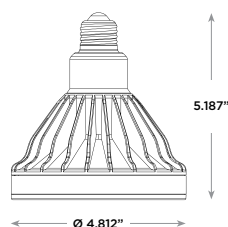
Lampholder, Edison Socket

**TG38**

Gimbal Ring, GU24 Socket



## Dimensions

**LRP-38™**

## You May Also Be Interested In:

**LM SERIES LAMPS** p.60  
Efficient Halogen Replacement**LRP38-10L SERIES LAMPS** p.58  
LED PAR Lamp**CR SERIES DOWNLIGHTS** p.32  
Commercial Upgrade Downlight Solution



## LRP-10L Series Lamps



LRP38-10L



## 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
- Active color management
- 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

## LRP-10L Series Lamps

## Ordering Information

**LRP38-10L-27K-12D**

950 Lumens, 2700K, 92 CRI, 12° Beam Angle, Edison Base

**LRP38-10L-27K-12D-GU24**

950 Lumens, 2700K, 92 CRI, 12° Beam Angle, GU24 Base

**LRP38-10L-30K-12D**

1000 Lumens, 3000K, 92 CRI, 12° Beam Angle, Edison Base

**LRP38-10L-30K-12D-GU24**

1000 Lumens, 3000K, 92 CRI, 12° Beam Angle, GU24 Base

**LRP38-10L-27K-25D**

950 Lumens, 2700K, 92 CRI, 25° Beam Angle, Edison Base

**LRP38-10L-27K-25D-GU24**

950 Lumens, 2700K, 92 CRI, 25° Beam Angle, GU24 Base

**LRP38-10L-30K-25D**

1000 Lumens, 3000K, 92 CRI, 25° Beam Angle, Edison Base

**LRP38-10L-30K-25D-GU24**

1000 Lumens, 3000K, 92 CRI, 25° Beam Angle, GU24 Base

## You May Also Be Interested In:

**LM SERIES LAMPS** p.60  
Efficient Halogen Replacement**LRP SERIES LAMPS** p.56  
LED PAR Lamp**LR SERIES DOWNLIGHTS** p.30  
Commercial-Upgrade Downlight Solutions

## Accessory Information

## TL

Lampholder, Edison Socket



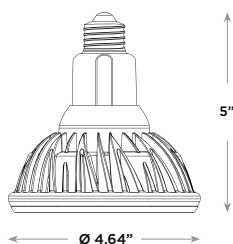
## TG38

Gimbal Ring, GU24 Socket

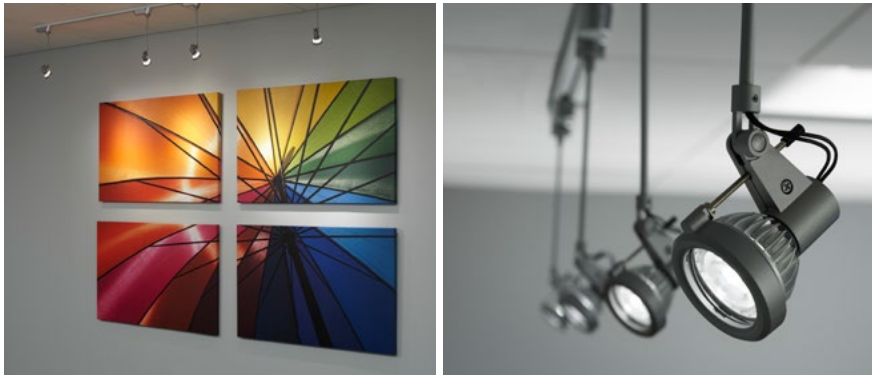


## Dimensions

## LRP38-10L



## LM16 Series Lamps



LM16



## The LED MR16 lamp provides 80 percent energy savings and lasts up to eight times longer than halogen MR16 lamps.

The LM16 LED MR16 lamp is offered in two wattages: 7-watt (35W MR16 halogen equivalent) and 9-watt (50W MR16 halogen equivalent) and uses a single LED source to deliver lumens equivalent to halogen MR16s without the glare that is often associated with this style of lamp. The proprietary in-house designed lens is available in three beam angles of 17° spot, 25° flood and 40° wide flood, without impacting delivered lumens. The 50-watt equivalent LM16 lamp offers comprehensive dimming compatibility through a wide range of popular dimmers and transformers. The LM16 lamp was strictly designed to ANSI compliant form factor for halogen lamp standards. Innovative fan-less housing design, smart circuit design and embedded intelligent software manage the thermal characteristics to effectively maintain the desired operating temperature.

### BENEFITS

- ENERGY STAR® qualified to last at least 25,000 hours
- 25,000-hour lifetime design in open track fixtures and non-IC downlights

### FEATURES

- Dimmable; consult dimming compatibility sheet for specifics
- Suitable for damp locations
- Standard 3-year limited warranty
- 35W eq: 464 lumens
  - CBCP 2862 (17°)
  - CBCP 1995 (25°)
  - CBCP 728 (40°)
- 50W eq: 620 lumens
  - CBCP 4152 (17°)
  - CBCP 2650 (25°)
  - CBCP 1057 (40°)

### APPLICATIONS

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

## LM16 Series Lamps

## Ordering Information

**LM16-35-30K-17D**

35W equivalent, 3000K, 83 CRI, 17° (Spot), GU5.3 Base

**LM16-35-30K-25D**

35W equivalent, 3000K, 83 CRI, 25° (Flood), GU5.3 Base

**LM16-35-30K-40D**

35W equivalent, 3000K, 83 CRI, 40° (Wide Flood), GU5.3 Base

**LM16-50-30K-17D**

50W equivalent, 3000K, 83 CRI, 17° (Spot), GU5.3 Base

**LM16-50-30K-25D**

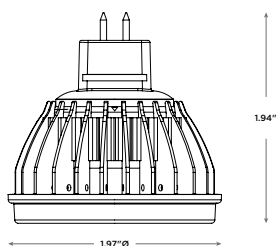
50W equivalent, 3000K, 83 CRI, 25° (Flood), GU5.3 Base

**LM16-50-30K-40D**

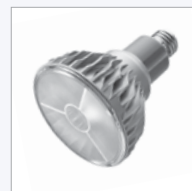
50W equivalent, 3000K, 83 CRI, 40° (Wide Flood), GU5.3 Base

## Dimensions

## LM16

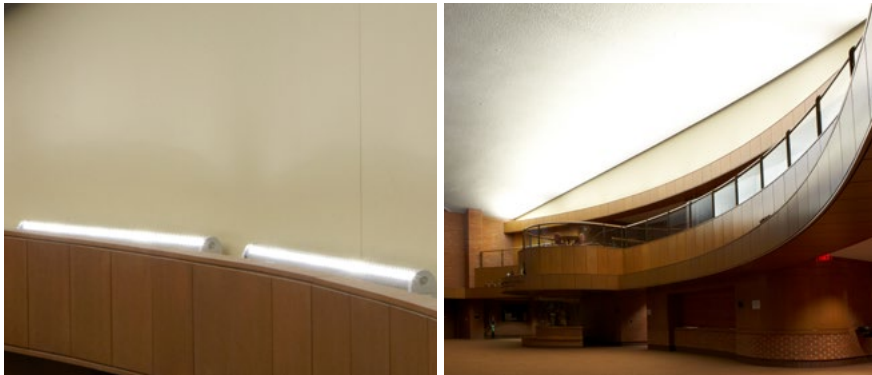


## You May Also Be Interested In:

**LRP SERIES LAMPS** p.56  
LED PAR Lamp**LR SERIES DOWNLIGHTS** p.30  
Commercial-Upgrade Downlight Solutions**LBR SERIES LAMPS** p.54  
LED BR30 Lamp



## OL Series™ Linear



## Versatile design creates application flexibility without sacrificing performance.

OL Series™ luminaires are rugged enough for use in outdoor applications, yet feature an architecturally appealing style and elegance that also makes it very well suited for indoor applications as well. Available in 2-, 4- and 8-foot increments, as well as multiple optics, LED counts, and power conditions, the OL Series offers the flexibility needed to meet a wide range of application needs. Such versatility doesn't come at the expense of performance though. The OL Series has exceptional lumen maintenance and features BetaLED® Technology. It's also backed by an industry leading 10-year limited warranty.

### BENEFITS

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

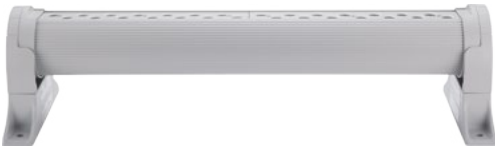
### FEATURES

- 360° adjustability in 5° increments for flexibility in any application
- Linear, low-profile design available in 2-, 4- and 8-foot lengths for high- and low-density needs
- Step- and continuous-dimming options accommodate a variety of on-board and network-based controls system protocols
- UL and cUL wet listed and IP66 rated

### APPLICATIONS

- Interior architectural, municipal, retail & grocery, school & university

OL Series™ Linear



## OL Series™ Linear

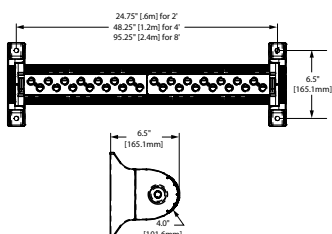
## Ordering Information

PRODUCT	FAMILY	OPTIC	MOUNTING	LED COUNT	SERIES	VOLTAGE	COLOR	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
FLD	OL	2M 15 25 40 N6 SN	D2 D4 D8	07 12	D	UL Universal Voltage 120-277V  UH Universal Voltage 347-480V	SV Silver  BZ Bronze  BK Black  WH White (Standard)  PB Platinum Bronze	700 700mA  500 500mA  325 325mA	40K 35K DIM

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

## Style and Sizing Options

D = Direct Rotatable  
2 = 2' (.6m)  
4 = 4' (1.2m)  
8 = 8' (2.4m)



## You May Also Be Interested In:



**ESSENTIA® DOWNLIGHTS** p.18  
Architectural Downlighting Solutions



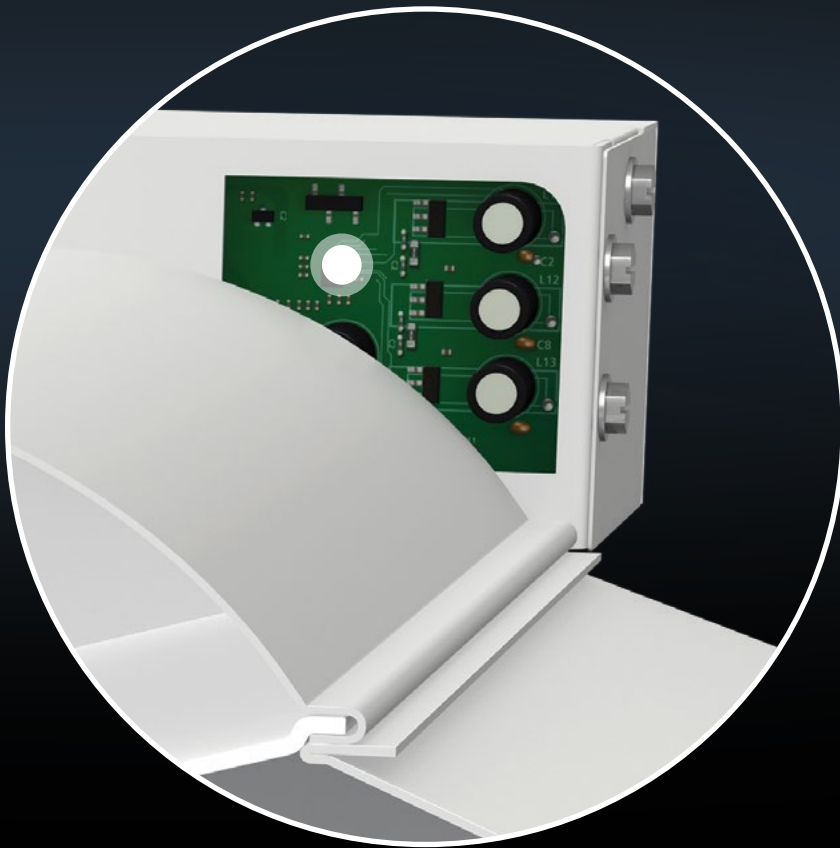
**CR SERIES TROFFERS** p.38  
High-Efficiency, Affordable Troffers



**LRP SERIES LAMPS** p.56  
LED PAR Lamp

# LED Controls

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



**Lutron EcoSystem® Enabled**

p.66

- Fully-integrated solution
  - Compatible with CR Series troffers
  - Enables continuous dimming
  - Robust set of control capabilities
-



## Lutron EcoSystem® Enabled



**Enjoy superior quality and performance advantages, plus all of the scalable savings solutions that come with Lutron EcoSystem® controls.**

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
- Ideal for healthcare, hospitality, education, commercial and government applications

\*Consult [www.Lutron.com](http://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
<b>CR14</b> 1x4 Lay-in	<b>20L</b> 22W 2000 Lumens - 90 LPW	<b>30K</b> 3000K	<b>Blank</b> 120-277V	<b>S</b> Step dimming to 50% <b>10V</b> 0-10V dimming to 5% <b>LES</b> Lutron EcoSystem® Enabled to 5%	<b>HD</b> High Definition Color - CRI 80+ (90 LPW) <b>32L</b> 35W 3200 Lumens - 90 LPW <b>40L</b> 44W 4000 Lumens - 90 LPW
<b>CR22</b> 2x2 Lay-in	<b>22L</b> 22W 2000 Lumens - 100 LPW	<b>35K</b> 3500K			<b>EB14</b> Emergency Backup - 1400 Lumens
<b>CR24</b> 2x4 Lay-in	<b>31L</b> 34W 3100 Lumens - 90 LPW	<b>40K</b> 4000K			<b>EB14SMK</b> Emergency Backup with Surface Mount Kit - 1400 Lumens
	<b>32L</b> 35W 3200 Lumens - 90 LPW	<b>50K</b> 5000K			
	<b>40L</b> 44W 4000 Lumens - 90 LPW				
	<b>40L HE</b> 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)				
	<b>50L</b> 50W 5000 Lumens - 100 LPW				

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

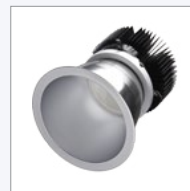
## Ordering Information for Lutron EcoSystem® Enabled CR-LE Series Troffers

Example: **CR-LE-40L-30K-LES**

PRODUCT	LUMEN OUTPUT	COLOR TEMP.	VOLTAGE	CONTROL	OPTIONS
<b>CR-LE</b>	<b>20L (1x2)</b> 22W 2000 Lumens - 90 LPW	<b>30K</b> 3000K	<b>Blank</b> 120-277V	<b>S</b> Step Dimming to 50% <b>10V</b> 0-10V Dimming to 5% <b>LES</b> Lutron EcoSystem® Enabled to 5%	<b>HD</b> High Definition Color - CRI 80+ (90 LPW) <b>32L</b> 35W 3200 Lumens - 90 LPW <b>40L</b> 44W 4000 Lumens - 90 LPW
	<b>32L (1x2)</b> 32W 3200 Lumens - 100 LPW	<b>35K</b> 3500K			<b>EB14</b> Emergency Backup - 1400 Lumens
	<b>22L (1x4)</b> 22W 2200 Lumens - 100 LPW	<b>40K</b> 4000K			<b>EB14SMK</b> Emergency Backup with Surface Mount Kit - 1400 Lumens
	<b>31L (1x4)</b> 34W 3100 Lumens - 90 LPW				
	<b>40L (1x4)</b> 40W 4000 Lumens - 100 LPW				
	<b>40L HE (1x4)</b> 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)				
	<b>50L (1x4)</b> 50W 5000 Lumens - 100 LPW				

\*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:

**KR SERIES DOWNLIGHTS** p.24  
Effective, Efficient LED Downlights**CS SERIES LINEAR** p.46  
Architectural Low-Bay Lighting Solutions**SR SERIES DOWNLIGHTS** p.22  
Beautiful, Architectural LED Downlights

## LED AREA

**Aeroblades™ Series**  
Area p.76



**Cree Edge™ Series**  
High Output Area / Area Square / Area Round p.78



**Cree Edge™ Series**  
Pathway p.80



**Cree SLM**  
Area p.82



## LED STREET & ROADWAY

**XSP Series Streetlight**  
XSP1™ / XSP2™ / XSP2L p.86



**LEDway® Series**  
Streetlight p.88



**LEDway SLM® Series Streetlight**  
LEDway SLM® / LEDway SLM® IP66 p.90



**Cree Edge™ Series**  
Transportation Mount p.92



## LED DECORATIVE STREET & ROADWAY

**LED Upgrade Kit**  
Traditional Post-Top Upgrade Kit p.96



## LED CANOPY

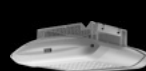
**228 Series™**  
Recessed Canopy / Recessed Soffit p.100



**304 Series™**  
Recessed Canopy / Recessed Soffit p.102



**Cree Edge™ Series**  
Surface Mount Canopy p.104



## LED PARKING STRUCTURE

**304 Series™**  
Parking Structure p.108



**Cree Edge™ Series**  
Parking Structure p.110



## LED FLOOD

**304 Series™**  
Flood p.114



**Cree Edge™ Series**  
High Output Flood / Flood Square / Flood Round p.116



**OL Series™**  
Linear Flood p.118



## LED SECURITY

**Aeroblades™ Series**  
Security p.122



**Cree Edge™ Series**  
Security p.124



# 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.





# Outdoor Applications

Cree® outdoor luminaires offer significant energy and maintenance savings compared when 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

Safely illuminated walkways are energy-efficient and architecturally pleasing with Cree luminaires.



### 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 any street.

## EXCLUSIVE TECHNOLOGY & DESIGNS

# Total Systems Approach to Your LED Solutions

The 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 that reduce energy consumption and maximize target illumination performance while meeting optimal operating life and service objectives.



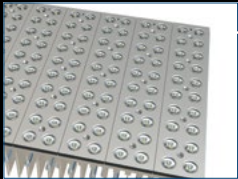
### Sealed Light Engine

With more than one billion LED working hours of operation logged, Cree's light engine technology has a proven track record for reliable operation. The success of our luminaires in thousands of varied applications around the globe speaks to the versatility and design integrity of our products. A large part of this success can be attributed to our sealed light engine.



### NanoOptic® Refractor System

A direct-contact refractor provides a level of optical control that cannot be achieved using traditional light source technology methods. The result is excellent target illumination performance. With more than 20 optical choices to choose from, you can select the distributions to best fit the needs of your application.



### Modular Design

We don't take a one-size-fits-most approach. Cree luminaires feature a modular design that offers the versatility required to provide precise levels of illumination performance. Our modular light engines provide the ability for luminaires to be fine-tuned to meet specific illumination needs in much smaller increments than traditional and competitive LED luminaire designs. This flexibility allows illumination and economic performance to be optimized for each unique application.



### Thermal Management

The benefit of excellent thermal management pays dividends throughout the life of a lighting application. It contributes to highly-optimized illumination performance on day one and reduces the impact of lumen depreciation every day thereafter. In addition, effective thermal management leads to greater product reliability. Cree's passive thermal management approach utilizes heat sinks to efficiently draw heat away from the LED chip package. Our thermal management design is enhanced further using a unique vented housing that allows air to continually flow through the luminaire. The result is a proven design that maximizes both performance and reliability.



### Reliable and Optimized Driver Performance

The drivers utilized in Cree luminaires are specifically designed to our high standards and offer the flexibility needed to optimize performance for your installations. The ability to select from a variety of drive currents provides initial cost and energy savings priorities to be balanced as part of your product selection process. Cree products are also available with integrated occupancy sensors and are controls compatible to accommodate a variety of networked and non-networked control systems. The drivers used in Cree products are extremely reliable with an expected failure rate of predictably less than one half of one percent at 100,000 hours of operation in the most extreme conditions.



### Style and Performance

Cree luminaires incorporate all the critical design elements needed to deliver exceptional performance and reliability without compromising style. Cree products provide the performance you need and the reliability you demand in modular, low-profile designs that blend with any architectural style.

### DeltaGuard® Finish

DeltaGuard® Finish is the finest industrial-grade finish available, is exclusive to Cree 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. The 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
- Endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B117

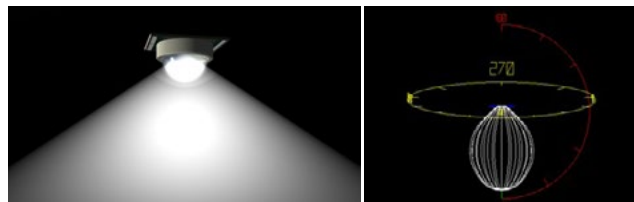


# NanoOptic® Technology

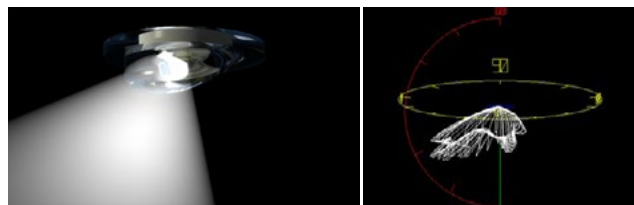
## Over 20 Optic Choices for the Flexibility You Need

Traditional luminaire technologies offered limited choices when it came to optical selections. We changed that with patented NanoOptic® product technology; highly-efficient optics available in more than 20 distributions. Our wide range of NanoOptic® options provides new possibilities for highly-optimized target illumination performance and the flexibility you need to achieve the specific illumination requirements for each unique application.

Bare LED Package

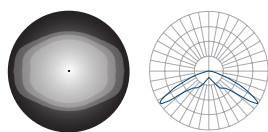


LED NanoOptic® Refractor Control

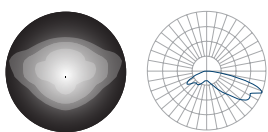


## Examples of NanoOptic® distributions:

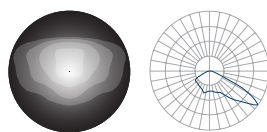
Type I Short (1S)



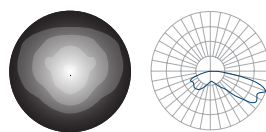
Type II Medium (2M)



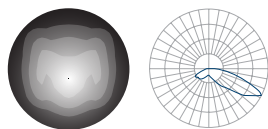
Type II Short (2S)



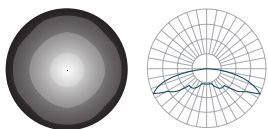
Type III Medium (3M)



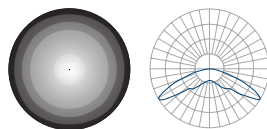
Type IV (4M)



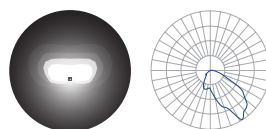
Type V Medium (5M)



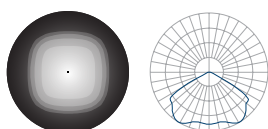
Type V Short (5S)



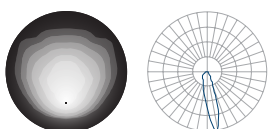
Automotive Frontline (AF)



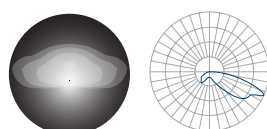
PS (Petroleum Symmetric)



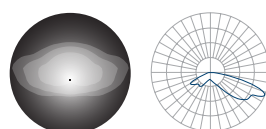
SN (Sign)



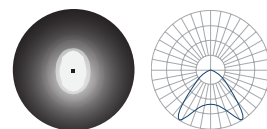
2MB (Standard Backlight Shield)



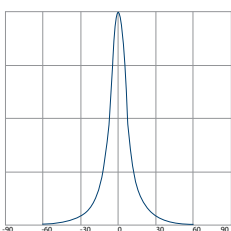
2MP (Partial Backlight Shield)



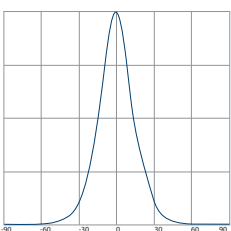
Aisle (U)



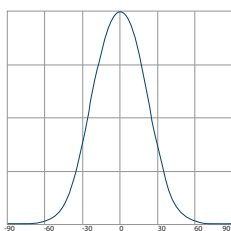
15° Flood (15)



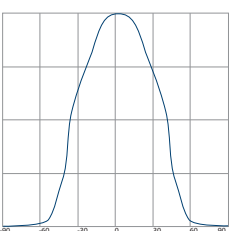
25° Flood (25)



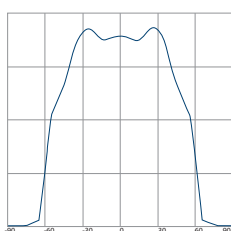
40° Flood (40)



70° Flood (70)



NEMA 6 (N6)



**The NanoOptic® refractor system provides superior light control with:**

More lumens delivered in the target area

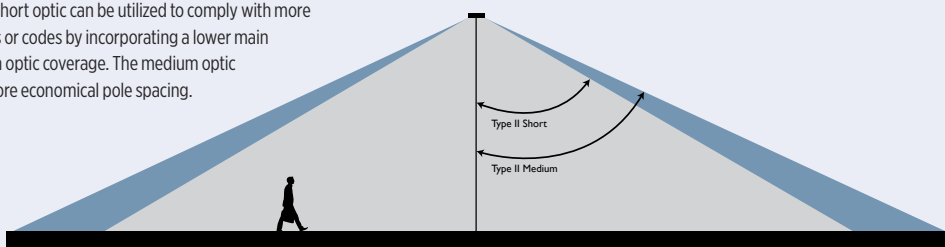
Improved uniformity ratios

Controlled high angle brightness

Over 20 optical distribution patterns to choose from

A graphic representation illustrates the LED optical fine-tuning range that Cree outdoor luminaires can provide.

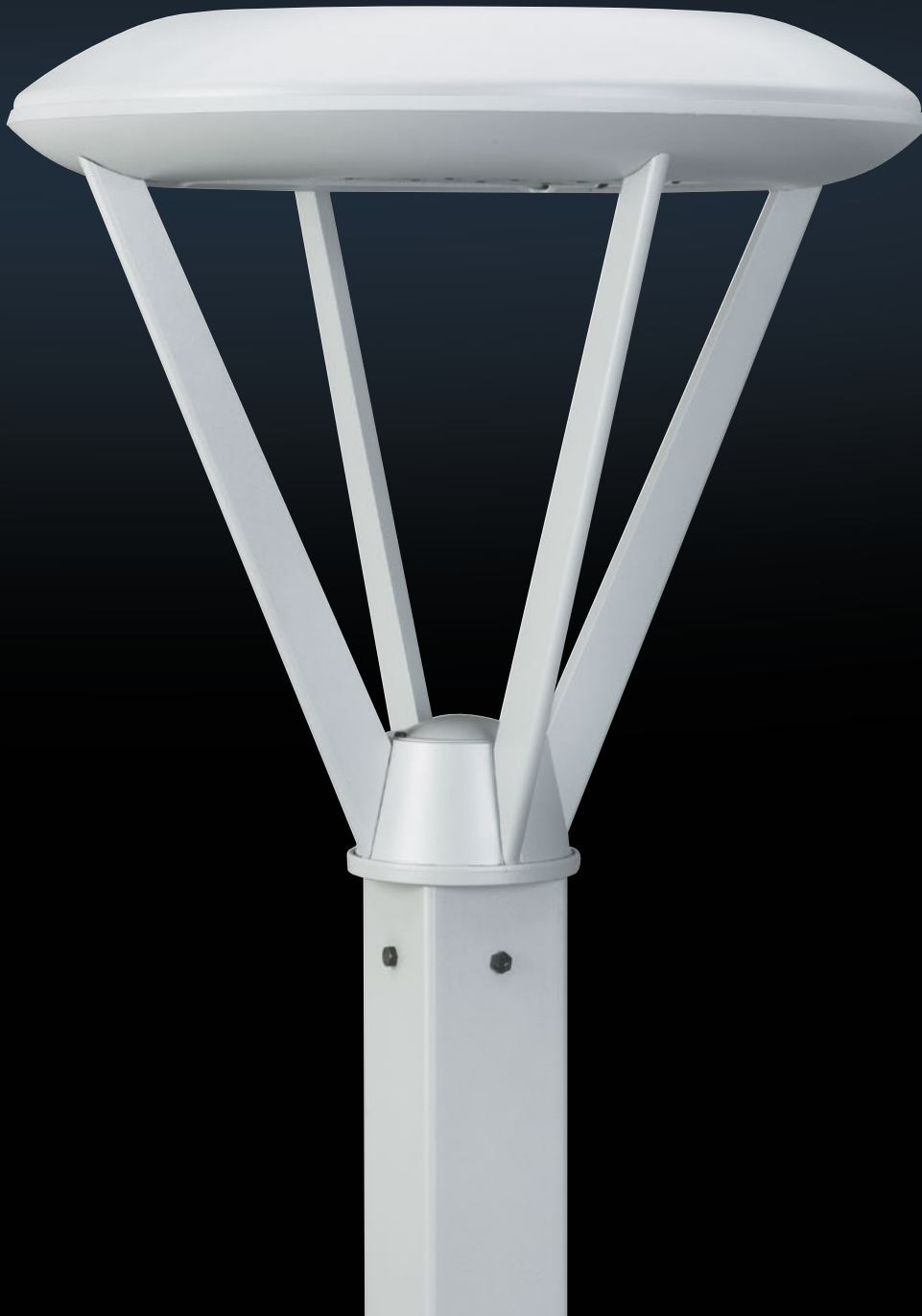
The gray area represents Type II short optic coverage. The short optic can be utilized to comply with more stringent light spill and high angle brightness specifications or codes by incorporating a lower main beam. The extended blue area indicates the Type II Medium optic coverage. The medium optic incorporates a slightly higher main beam to allow wider, more economical pole spacing.





# LED Area

We don't believe in one-size-fits-all approach. Our modular design and multiple choice of power condition allow Cree® LED products to be fine-tuned so you end up with a solution that provides precisely the right amount of light. This ensures that first costs and energy use are minimized while still maintaining the desired sustainable illumination performance your application requires.





### Aeroblades™ Series

p.76

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Utilizes BetaLED® Technology
- UL wet listed
- Dimming options
- Integral and remote drivers available
- Two-, four- or six-blade configurations



### Cree Edge™ Series Pole

p.78

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



### Cree Edge™ Series Pathway

p.80

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



### Cree® SLM

p.82

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Utilizes BetaLED® Technology
- UL wet listed
- Two-Level options
- Linear single light module accommodates 20 to 60 LEDs

## Aeroblades™ Series Area



## Leadership in performance meets leadership in design.

Developed in partnership with the renowned design firm Speirs + Major, Cree® Aeroblades™ luminaires combines industry-leading BetaLED® Technology with unmatched design. The result is a luminaire that is architecturally pleasing by day without sacrificing illumination performance by night. Available in 20, 40 and 60 LED configurations, multiple power conditions and optical distributions, as well as seven color selections, the Aeroblades luminaires have what it takes to satisfy both lighting designers and architects alike.

### 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)
- Utilizes BetaLED® Technology
- UL wet listed
- Modular, architecturally pleasing design

### APPLICATIONS

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

Aeroblades™ Area



## Aeroblades™ Series Area

## Ordering Information

Example: **BXABP24D-VDG6Y**

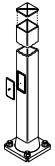
PRODUCT	MOUNTING	OPTIC	# OF LEDs (X10)	LED SERIES	VOLTAGE	DRIVE CURRENT	COLOR OPTIONS	COLOR TEMP OPTIONS	FACTORY INSTALLED OPTIONS
<b>BXAB</b>	<b>P</b> Pole Mount with Remote Driver	<b>2</b> Type 2 Medium	<b>2</b>	<b>D</b>	<b>U</b> Universal 120-277V	<b>C</b> 525mA	<b>G</b> Graphite	<b>6</b> 5700K	<b>Y</b> 0-10V Dimming
		<b>3</b> Type 3 Medium	<b>4</b>						
		<b>5</b> Type 5 Medium	<b>6</b>						
		<b>T</b> Type 1 Short							
		<b>F</b> Type 2 Short							
<b>G</b>	<b>P</b> Pole Mount with Integral Driver	<b>4</b> Type 4 Medium		<b>D</b>	<b>V</b> Universal 347-480V	<b>D</b> 700mA	<b>A</b> Platinum	<b>7</b> 4000K	
		<b>R</b> Type 5 Short							
<b>G</b>	<b>P</b> Pole Mount with Integral Driver	<b>5</b> Type 5 Medium		<b>D</b>	<b>V</b> Universal 347-480V	<b>X</b> 1000mA	<b>S</b> Silver		
		<b>B</b> Black							
		<b>P</b> Platinum Bronze							
		<b>W</b> White							
		<b>Z</b> Bronze							

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

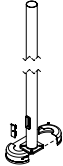
## Poles &amp; Tenon Options

## POLE SPECIFICATION (G MOUNT ONLY)

Consult factory for more information.



**PS**  
Crown-Weld® Square  
Straight Steel Poles



**PS5R**  
Round Steel Poles

## TENON OPTIONS (G MOUNT ONLY)

Consult factory for more information.



**PD** - Square Internal Mount  
Horizontal Tenons



**PT** - Round External Mount  
Horizontal Tenons

## Field-Installed Accessories

## POLE WITH QUICK CONNECT CORD OPTIONS (P MOUNT ONLY)

**PARV12D1\***  
12' (4m) Round Tapered Aluminum Pole, Single Pole Mount Configuration

**PARV15D1\***  
15' (5m) Round Tapered Aluminum Pole, Single Pole Mount Configuration

**PARV20D1\***  
20' (6m) Round Tapered Aluminum Pole, Single Pole Mount Configuration

**PARV24D1\***  
24' (7m) Round Tapered Aluminum Pole, Single Pole Mount Configuration

## POLE ADAPTORS (G MOUNT ONLY)

**XA-XABGSQR\***  
Direct Square Pole Adaptor for Mounting To 3.25–6" (83–152Mm) Square Poles

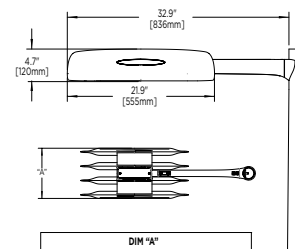
**XA-XABGUNV\***  
Direct Universal Pole Adaptor for Mounting To 3–6" (76–152Mm) Round or Square Poles

\*Specify finish color.

## Dimensions

## AEROBLADES™ AREA LUMINAIRES

## P Mount



DIM "A"		
20 LEDs	40 LEDs	60 LEDs
4.4" (112mm)	10.2" (259mm)	16" (406mm)

## You May Also Be Interested In:



**TRADITIONAL POST-TOP  
UPGRADE KIT p.96**  
Easily Convert Decorative  
Streetlights to LED



**AEROBLADES™ SERIES  
SECURITY p.122**  
Aesthetic Security Solutions



**LEDWAY SERIES SLM  
STREETLIGHTS p.90**  
Sleek, Versatile Streetlight Solutions



## Cree Edge™ Series Pole



## 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 more than 20 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
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Utilizes BetaLED® Technology
- UL wet listed
- Meets Buy American requirements within ARRA
- Two-Level options
- 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, roadway

Cree Edge™ High Output Area



Cree Edge™ Area Square



Cree Edge™ Area Round



## Cree Edge™ Series Pole

## Ordering Information

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

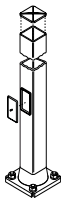
PRODUCT	FAMILY	OPTIC		MOUNTING	# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
ARE	EHO EDR EDG	1S	2MB	AA	02	D	UL	SV	350	40K
		Type 1 Short	Type 2 Medium	Adjustable Arm	04		Universal	Sliver	350mA	4000K CCT
		2M	Type 2 Medium	w/ Backlight	06		120-277V	BZ	525	DIM
		Type 2 Medium	Shield	Direct Arm	08		Bronze	525mA	0-10V Dimming	
		2S	2SB	DL	10		Universal	BK	700	F
		Type 2 Short	Type 2 Medium	Direct Long Arm	12		347-480V	Black	700mA	Fuse
		3M	3MB	R3	14		120V	WH	1000	HL
		Type 3 Medium	Shield	Post Top 2-3/8"	16		227V	White	1000mA	High/Low (175/350/525, Dual Circuit Input)
		4M	Type 3 Medium	to 3" OD	20		27	PB		P
		Type 4 Medium	w/ Backlight	Post Top 4"	24		347V	Platinum		Photocell
		5M	Shield	Square				Bronze		R
		Type 5 Medium	4MB	R5						NEMA Photocell
		5S	Type 4 Medium	Post Top 5"						Receptacle
		Type 5 Short	w/ Backlight	Round Pole						ML
	Shield	Direct/Surface					TL			
							Two-Level (175/525) w/ Integrated Sensor Control			
							UP			
							Uplight Configuration			

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

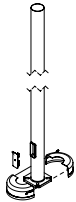
## Poles &amp; Tenon Options

## POLE SPECIFICATION

Consult factory for more information.



**PS**  
Crown-Weld® Square  
Straight Steel Poles



**PSSR**  
Round Steel Poles



**PSCV**  
Curved Round Tapered  
Steel Poles



**PSRV**  
Round Tapered  
Steel Poles

## TENON OPTIONS

Consult factory for more information.



**PA** - Aluminum Square  
Internal Mount Vertical  
Tenons



**PB** - Steel Square Internal  
Mount Vertical Tenons



**PD** - Square Internal  
Mount Horizontal Tenons



**PT** - Round External Mount  
Horizontal Tenons

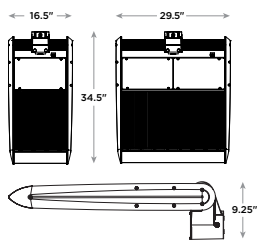
## Dimensions

## CREE EDGE™ HIGH OUTPUT AREA

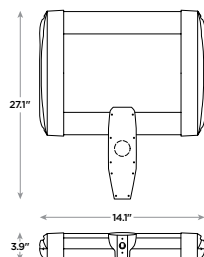
## CREE EDGE™ AREA SQUARE

## CREE EDGE™ AREA ROUND

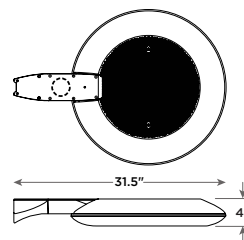
## DM Mount



## DA Mount



## DA Mount



## You May Also Be Interested In:



**CREE EDGE™ SERIES  
PARKING STRUCTURE p.110**  
Scalable, Versatile Streetlight  
Solutions



**CREE EDGE™ SERIES  
SECURITY p.124**  
Security & Perimeter Lighting Solutions



**CREE EDGE™ SERIES  
FLOOD p.116**  
Flood Lighting Solutions

## Accessory Information

## BIRD-SPIKE OPTIONS



**XA-BRDSPK**  
(EDG and EDR models only)

**XA-BRDSPKXAK12**  
(EHO models only for 120 LED luminaires)

**XA-BRDSPKXAK24**  
(EHO models only for 240 LED luminaires)

## Cree Edge™ Series Pathway



Cree Edge™ Pathway



## A pathway to style and performance.

Cree Edge™ Pathway combines style and performance to provide unmatched value in pathway and pedestrian lighting. Available in 13", 18", 36", 42" and 8' lengths, Cree Edge™ Pathway provides 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 is 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)
- Utilizes BetaLED® Technology
- 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, roadway

## Cree Edge™ Series Pathway

## Ordering Information

Example: **PWY-EDG-3M-P3-18-D-UL-BK-525-F**

PRODUCT	FAMILY	OPTIC	MOUNTING	# OF LEDS	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
PWY	EDG	<b>2M</b> Type 2 Medium	<b>P0</b> 13" (330mm) Landscape Fixture	18	D	<b>UL</b> Universal 120-277V	<b>SV</b> Sliver	<b>350</b> 350mA	<b>40K</b> 4000K CCT
		<b>3M</b> Type 3 Medium	<b>P1</b> 18" (457mm) Landscape Fixture						
		<b>5M</b> Type 5 Medium	<b>P3</b> 3' (0.9m) Pathway Fixture (Bollard)						
		<b>5S</b> Type 5 Short	<b>P4</b> 42" (1.1m) Pathway Fixture (Bollard)						
			<b>P8</b> 8' (2.4m) Pedestrian Fixture						
						<b>UH</b> Universal 347-480V	<b>BZ</b> Bronze	<b>525</b> 525mA	<b>F</b> Fuse
						<b>12</b> 120V	<b>BK</b> Black		<b>HL</b> High/Low (175/350/525, Dual Circuit Input)
						<b>27</b> 277V	<b>WH</b> White		<b>TL</b> Two-Level (175/525 w/ Integrated Sensor Control)
							<b>PB</b> Platinum Bronze		<b>TL2</b> Two-Level (0/350 w/ Integrated Sensor Control)
									<b>TL3</b> Two-Level (0/525 w/ Integrated Sensor Control)
									<b>WB</b> Welded 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.

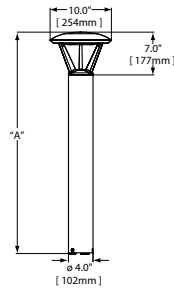
## Accessory Information

## UPGRADE KIT - USED FOR REPLACEMENT OF EXISTING BOLLARDS

**XA**  
XBP8RSV**XA**  
XBP8RBK**XA**  
XBP8RWH**XA**  
XBP8RBZ**XA**  
XBP8RPB

## Dimensions

## CREE EDGE™ PATHWAY



## You May Also Be Interested In:

**CREE EDGE™ SERIES  
PARKING STRUCTURE p.110**  
Scalable, Versatile Streetlight  
Solutions**CREE EDGE™ SERIES  
SECURITY p.124**  
Security & Perimeter Lighting Solutions**CREE EDGE™ SERIES  
FLOOD p.116**  
Flood Lighting Solutions



## Cree SLM Area



Cree SLM Area



## Performance meets style and affordability.

Cree SLM Area blends performance with style and affordability to provide a unique area light solution. Available in 10-LED increments (20 to 60 LEDs), three power conditions and more than 20 optical distributions, our SLM Area offers a distinct look as well as exceptional illumination performance, for site lighting applications.

### 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)
- Utilizes BetaLED® Technology
- UL wet listed
- 10K surge suppression protection tested in accordance with IEEE/ANSI C62.41.2

### APPLICATIONS

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

## Cree SLM Area

## Ordering Information

Example: **ARE-SLM66-2M-DA-04-D-UL-BE-525-ML**

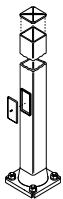
PRODUCT	FAMILY	OPTIC		MOUNTING	LED COUNT (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
ARE	SLM66	1S	3M	DA Direct Arm Mount  HV Horizontal/ Vertical Tenon Mount	02 03 04 05 06	D	UL Universal 120-277V  UH Universal 347-480V	SE	525 525mA  700 700mA  1000 1000mA	40K 4000K CCT  DIM 0-10V Dimming  F Fuse  R NEMA Photocell Receptacle  TF Tool-less Entry  ML Multi-Level
		Type 1 Short	Type 3 Medium					BE		
		2M	3MB					Black		
		Type 2 Medium	Type 3 Medium					ZE		
		2MB	w/Backlight					Bronze		
		Type 2 Medium	Shield					PE		
		w/Backlight	Shield					Platinum		
		Shield	Type 3 Medium					Bronze		
		2MP	w/Partial					White		
		Type 2 Medium	Backlight							
		w/Partial	Shield							
		Backlight	4M							
		Shield	Type 4 Medium							
		2S	4MB							
		Type 2 Short	Type 4 Medium							
2SB	w/Backlight									
Type 2 Short	Shield									
w/Backlight	4MP									
Shield	Type 4 Medium									
2SP	w/Partial									
Type 2 Short	Backlight									
w/Partial	Shield									
Backlight	5M									
Shield	Type 5 Medium									
	5S									
	Type 5 Short									

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

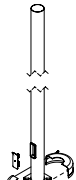
## Poles &amp; Tenon Options

## POLE SPECIFICATION

Consult factory for more information.



**PS**  
Crown-Weld® Square Straight Steel Poles



**PSSR**  
Round Steel Poles



**PSCV**  
Curved Round Tapered Steel Poles



**PSRV**  
Round Tapered Steel Poles

## TENON OPTIONS

Consult factory for more information.



**PA** - Aluminum Square Internal Mount Vertical Tenons



**PB** - Steel Square Internal Mount Vertical Tenons



**PD** - Square Internal Mount Horizontal Tenons

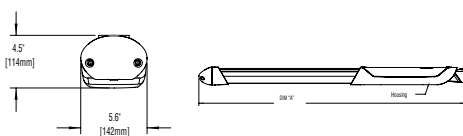


**PT** - Round External Mount Horizontal Tenons

## Dimensions

## SLM IP66

## DA Mount



## You May Also Be Interested In:



**CREE EDGE™ SERIES PARKING STRUCTURE p.110**  
Scalable, Versatile Streetlight Solutions



**CREE EDGE™ SERIES SECURITY p.124**  
Security & Perimeter Lighting Solutions



**CREE EDGE™ SERIES FLOOD p.116**  
Flood Lighting Solutions

## Accessory Information

## BIRD-SPIKE OPTIONS



**XA-BRDSPKSM20**  
(for use with 20-LED fixture)

**XA-BRDSPKSM50**  
(for use with 30- to 50-LED fixture)

**XA-BRDSPKSM60**  
(for use with 60-LED fixture)

## PIPE SEALING KIT (HV MOUNT ONLY)

**XA-SLMFTRKIT**  
(1.25" [32mm] IP Pipe Sealing Kit)

# 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 streetlight 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.





### XSP Series

p.86

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



### LEDway® Series

p.88

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Utilizes BetaLED® Technology
- UL wet listed
- IP66 available
- All aluminum housing



### LEDway SLM™ Series

p.90

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Utilizes BetaLED® Technology
- UL wet listed
- IP66 available
- All aluminum housing



### Cree Edge™ Series

p.92

- 2000, 2200, 3200, 4000 or 5000 lumens
- 22W to 50W (90 to 110 LPW)
- 90 CRI at 3500K or 4000K
- Universal 120-277V driver
- Step dimming to 50%, 0-10V to 5%
- Suspended or surface kit mounting



## XSP Series Streetlights



## 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 unmatched 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 streetlight is an affordable LED solution that doesn't sacrifice performance.

### 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
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Utilizes BetaLED® Technology
- NanoOptic® Precision Delivery Grid optic
- Exclusive DeltaGuard® Finish
- Traditional cobra head appearance
- UL wet listed
- Remote monitoring compatibility

### APPLICATIONS

- Government & municipal, roadway

**XSP1™** (single-module)



**XSP2™ / XSP2L™** (double-module)



## XSP Series Streetlights

## Ordering Information

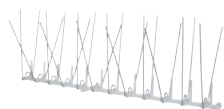
Example: **BXSPA03GA-USR**

PRODUCT	VERSION	MOUNTING	OPTIC	MODULES	INPUT POWER	VOLTAGE	COLOR OPTIONS	OPTIONS
<b>BXSP</b>	<b>A</b>	<b>O</b> Horizontal Tenon	<b>2</b> Type II <b>G</b> Type II w/ Backlight Shield <b>3</b> Type III <b>H</b> Type III w/ Backlight Shield	<b>G</b> 4000K (single-module) <b>N</b> 5700K (single-module) <b>H</b> 4000K (double-module) <b>P</b> 5700K (double-module)	<b>A</b> 53W (single-module) or 101W (double-module) <b>L</b> 168W (double-module)	<b>U</b> Universal 120-277V <b>V</b> Universal 347-480V	<b>S</b> Silver (Standard) <b>T</b> Black <b>Z</b> Bronze <b>B</b> Platinum Bronze <b>W</b> White	<b>F</b> Fuse <b>K</b> Occupancy Control <b>N</b> Utility Label and NEMA Photocell Receptacle <b>Q</b> Field Adjustable Output <b>R</b> NEMA Photocell Receptacle <b>U</b> 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.

## Accessory Information

## BIRD SPIKE OPTION



**XA-SP1BRDSPK**  
(for use with single-module)

**XA-SP2BRDSPK**  
(for use with double-module)

## BACKLIGHT CONTROL SHIELD OPTIONS

Provides 1/2 Mounting Height Cutoff

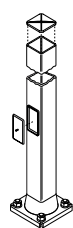
**XA-SP1BLS**  
(for use with single-module)

**XA-SP2BLS**  
(for use with double-module)

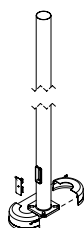
## Poles &amp; Tenon Options

## POLE SPECIFICATION

Consult factory for more information.



**PS**  
Crown-Weld® Square Straight Steel Poles



**PSSR**  
Round Steel Poles



**PSRV**  
Round Tapered Steel Poles



## HORIZONTAL TENON OPTIONS

Consult factory for more information.

**PD-H4**  
Square Internal Mount Horizontal Tenons

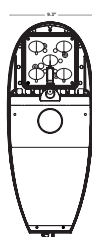
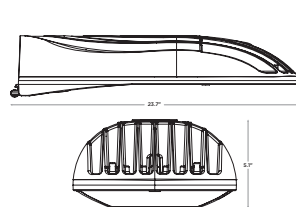


**PT-H**  
Round External Mount Horizontal Tenons

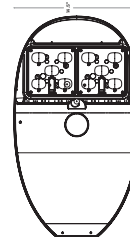
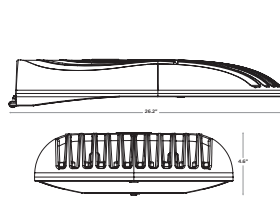
\* Specify mounting configuration.

## Dimensions

## XSP1™ (SINGLE-MODULE)



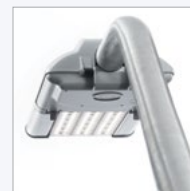
## XSP2™ / XSP2L™ (DOUBLE-MODULE)



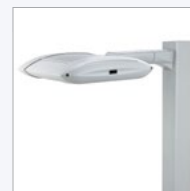
## You May Also Be Interested In:



**TRADITIONAL POST-TOP UPGRADE KIT** p.96  
Decorative, Upgrade Solutions



**LEDWAY® SERIES STREETLIGHTS** p.88  
Versatile Streetlight Solutions



**CREE EDGE™ AREA** p.78  
Sleek, Modular Area Lighting Solutions

## LEDway® Series Streetlights



LEDway® - HT Mount



LEDway® - AA Mount



## Proven performance, proven value.

Launched in 2008, LEDway® LED streetlights are arguably the most successful streetlight in the world. Our LEDway streetlight has built a reputation based on performance and value. Available in 10-LED increments (20 to 120 LEDs), three power conditions and more than 20 optical distributions, the LEDway streetlight 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 streetlight 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)
- Utilizes BetaLED® Technology
- Patented NanoOptic® Technology
- Exclusive 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, industrial & warehouse, pedestrian & recreation, petroleum & convenience store, restaurant & hospitality, retail & grocery, roadway

## LEDway® Series Streetlights

## Ordering Information

Example: STR-LWY-4M-AA-06-D-UL-SV-700-IP

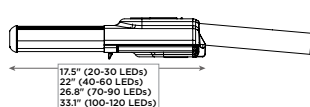
PRODUCT	FAMILY	OPTIC	MOUNTING	# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
STR	LWY	<b>1S</b> Type 1 Short <b>2M</b> Type 2 Medium <b>2MB</b> Type 2 Medium w/Backlight Shield <b>2MP</b> Type 2 Medium w/Partial Backlight Shield <b>2S</b> Type 2 Short <b>2SB</b> Type 2 Short w/Backlight Shield <b>2SP</b> Type 2 Short w/Partial Backlight Shield <b>3M</b> Type 3 Medium <b>3MB</b> Type 3 Medium w/Backlight Shield <b>3MP</b> Type 3 Medium w/Partial Backlight Shield <b>4M</b> Type 4 Medium <b>4MB</b> Type 4 Medium w/Backlight Shield <b>4MP</b> Type 4 Medium w/Partial Backlight Shield <b>5M</b> Type 5 Medium <b>5S</b> Type 5 Short	<b>AA</b> Adjustable Arm <b>HT</b> Horizontal Tenon	<b>02</b> <b>03</b> <b>04</b> <b>05</b> <b>06</b> <b>07</b> <b>08</b> <b>09</b> <b>10</b> <b>11</b> <b>12</b>	<b>D</b>	<b>UL</b> Universal 120-277V <b>UH</b> Universal 347-480V	<b>SV</b> Silver (Standard) <b>BK</b> Black <b>BZ</b> Bronze <b>PB</b> Platinum Bronze <b>WH</b> White	<b>350</b> 350mA <b>525</b> 525mA <b>700</b> 700mA (Standard)	<b>IP</b> IP66 Classification <b>40K</b> 4000K CCT <b>DIM</b> 0-10V Dimming <b>F</b> Fuse <b>HL</b> High/Low (175/350/525, Dual Circuit Output) <b>N</b> No Quick Disconnect Harness or Leveling Bubble <b>PD</b> Power Door <b>ML</b> Multi-Level <b>R</b> NEMA Photocell Receptacle <b>SC</b> Door Safety Tether <b>UTL</b> 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.

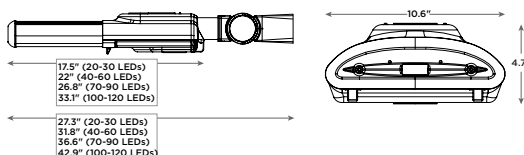
## Dimensions

## LEDWAY® LED STREETLIGHT

## HT Mount

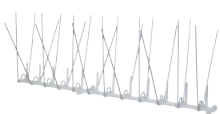


## AA Mount



## 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)

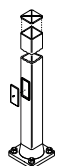
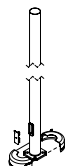
**XA-XSLBLS120**

(for use with 100 to 120 LED luminaires)

## Poles &amp; Tenon Options

## POLE SPECIFICATION

Consult factory for more information.

**PS**  
Crown-Weld® Square Straight Steel Poles**PS5R**  
Round Steel Poles**PSRV**  
Round Tapered Steel Poles

## TENON OPTIONS

Consult factory for more information.

**PD-H4**

Square Internal Mount Horizontal Tenons

**PT-H**

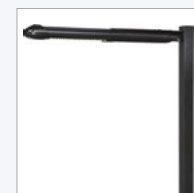
Round External Mount Horizontal Tenons

**WM-4L**

Round External Mount

\*Specify mounting configuration.

## You May Also Be Interested In:

**LEDWAY SERIES SLM™ STREETLIGHTS p.90**  
Sleek, Versatile Streetlight Solutions**AREA SLM p.82**  
Low-Profile Area Lighting Solutions**CREE EDGE™ TSP TRANSPORTATION MOUNT p.92**  
Bridge, Overpass & Tunnel Lighting Solutions



## LEDway SLM™ Series Streetlights



### Fresh aesthetic without compromised performance.

Tired of the same old looking streetlights? The LEDway SLM™ offers a new look for street lighting without sacrificing performance. Available in 10-LED increments (20 to 60 LEDs), three power conditions and more than 20 optical distributions, the LEDway SLM streetlight can meet sustainable illumination performance requirements while maximizing energy savings in a budget-friendly manner. LEDway SLM can provide a distinct look while still delivering exceptional illumination performance, significant energy, maintenance savings and value.

#### 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)
- Utilizes BetaLED® Technology
- Patented NanoOptic® Technology
- UL wet listed
- Exclusive DeltaGuard® Finish
- Field adjustable power conditions
- Scalable design

#### APPLICATIONS

- Government & municipal, roadway

LEDway SLM™ Streetlight



LEDway SLM™ IP66 Streetlight



## LEDway SLM™ Series Streetlights

## Ordering Information

Example: STR-SLM-4MB-HT-02-D-UL-SV-700

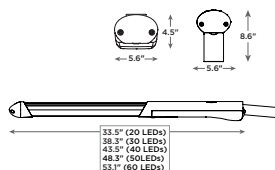
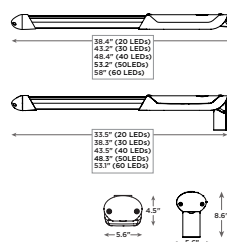
PRODUCT	FAMILY	OPTIC	MOUNTING	LED COUNT (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
STR	SLM SLM66	<b>1S</b> Type 1 Short	<b>HT</b> Horizontal Tenon <b>HV</b> Horizontal/Vertical Tenon	<b>02</b> <b>03</b> <b>04</b> <b>05</b> <b>06</b>	<b>D</b>	<b>UL</b> Universal 120-277V <b>UH</b> Universal 347-480V	<b>SV</b> Silver (Standard) <b>BK</b> Black <b>BZ</b> Bronze <b>PB</b> Platinum Bronze <b>WH</b> White <b>SE</b> Silver <b>BE</b> Black <b>ZE</b> Bronze <b>PE</b> Platinum Bronze <b>WE</b> White	<b>525</b> 525mA <b>700</b> 700mA <b>1000</b> 1000mA	<b>40K</b> 4000K CCT <b>CD</b> 24" Cord <b>DIM</b> 0-10V Dimming <b>F</b> Fuse <b>ML</b> Multi-Level <b>R</b> NEMA Photocell <b>RE</b> Receptacle <b>UTL</b> Utility
		<b>3M</b> Type 3 Medium							
		<b>2M</b> Type 2 Medium							
		<b>3MB</b> Type 3 Medium w/ Backlight Shield							
		<b>2MB</b> Type 2 Medium w/ Backlight Shield							
		<b>3MP</b> Type 3 Medium w/ Partial Backlight Shield							
		<b>2MP</b> Type 2 Medium w/ Partial Backlight Shield							
		<b>4M</b> Type 4 Medium							
		<b>4MB</b> Type 4 Medium w/ Backlight Shield							
		<b>2S</b> Type 2 Short							
		<b>4MP</b> Type 4 Medium w/ Partial Backlight Shield							
		<b>2SB</b> Type 2 Short w/ Backlight Shield							
		<b>5M</b> Type 5 Medium							
		<b>2SP</b> Type 2 Short w/ Partial Backlight Shield							
		<b>5S</b> Type 5 Short							

\*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 SLM™ LED STREETLIGHT

## LEDway SLM™ (HT Mount)

LEDway SLM™  
IP66 (HV Mount)

## Accessory Information

## BIRD SPIKE OPTIONS

## XA-BRDSPKSM50

For use with 30-50 LED light engines

## XA-BRDSPKSM20

For use with 20 LED light engines

## XA-BRDSPKSM60

For use with 60 LED light engines

## PIPE SEALING KIT (SLM66 MODELS ONLY)

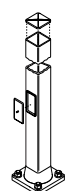
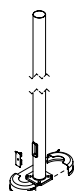
## XA-SLMFTRKIT

1.25" (32mm) IP Pipe Sealing Kit

## Poles &amp; Tenon Options

## POLE SPECIFICATION

Consult factory for more information.

**PS**  
Crown-Weld® Square  
Straight Steel Poles**PSSR**  
Round Steel Poles**PSCV**  
Curved Round Tapered  
Steel Poles**PSRV**  
Round Tapered  
Steel Poles**PA** - Aluminum Square  
Internal Mount Vertical  
Tenons**PB** - Steel Square Internal  
Mount Vertical Tenons**PD** - Square Internal  
Mount Horizontal Tenons**PT** - Round External Mount  
Horizontal Tenons**PD-H4** - Square Internal  
Mount Horizontal Tenons**PT-H** - Round External  
Mount Horizontal Tenons

## You May Also Be Interested In:

**OL SERIES FLOOD** p.118  
Versatile Illumination Opportunity  
with 360° Adjustability**CREE EDGE™ AREA** p.78  
Sleek, Modular Area Lighting Solutions**XSP SERIES STREETLIGHT** p.86  
High-Efficiency Streetlight Solutions

## Cree Edge™ Series TSP Transportation Mount



## 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™ TSP Transportation Mount



## Cree Edge™ Series TSP Transportation Mount

## Ordering Information

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

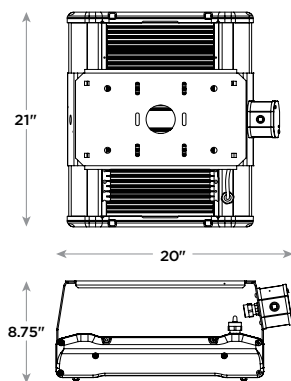
PRODUCT	FAMILY	OPTIC	MOUNTING	# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
TSP	EDG	<b>1S</b> Type 1 Short	<b>DM</b> Direct Mount	<b>04</b>	<b>D</b>	<b>UL</b> Universal 120-277V	<b>SV</b> Silver	<b>350</b> 350mA	<b>40K</b> 4000K CCT
		<b>2M</b> Type 2 Medium		<b>06</b>					
		<b>2S</b> Type 2 Short		<b>08</b>					
		<b>3M</b> Type 3 Medium		<b>10</b>					
		<b>4M</b> Type 4 Medium		<b>12</b>					
		<b>5M</b> Type 5 Medium		<b>14</b>					
		<b>5S</b> Type 5 Short		<b>16</b>					
		<b>2MB</b> Type 2 Medium w/ Backlight Shield		<b>18</b>					
		<b>2MP</b> Type 2 Medium w/ Partial Backlight Shield		<b>20</b>					
		<b>2SB</b> Type 2 Short w/ Backlight Shield		<b>24</b>					
		<b>2SP</b> Type 2 Short w/ Partial Backlight Shield							

\*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™ TSP TRANSPORTATION MOUNT

## DM Mount



## You May Also Be Interested In:



**CREE EDGE™ SERIES  
PARKING STRUCTURE p.110**  
Scalable, Versatile Streetlight  
Solutions



**CREE EDGE™ SERIES  
SECURITY p.124**  
Security & Perimeter Lighting Solutions



**CREE EDGE™ SERIES  
FLOOD p.116**  
Flood Lighting Solutions



# LED Decorative Street & Roadway

Traditional post-top luminaires are designed for use with traditional sources like high-pressure sodium or metal halide lamps and the light distribution these sources produce. 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 luminaires. The result is improved optical control and target efficacy that combines a classic day-form style with a beautiful nightscape appearance.





### LED Upgrade Kit

p.96

- 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

## Traditional Post-Top Upgrade Kit



## Yesterday's products, today's technology.

Powered by BetaLED® 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)
- Utilizes BetaLED® Technology
- 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: BXRAAH53-UD7Y

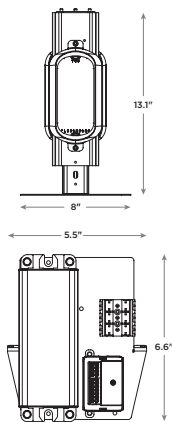
PRODUCT	VERSION	STYLE	OPTIC	# OF SIDES	VOLTAGE	INPUT POWER	COLOR TEMPERATURE	OPTIONS
BXRA	A	<b>A</b>	5 Symmetric Module	3	<b>U</b> Universal 120-277V	<b>D</b> 65W-68W	<b>1</b> 2700K CCT	<b>Y</b> 0-10V Dimming
		Holophane® Granville Acorn						
		<b>B</b>						
		Holophane® Washington PostLite® Acorn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

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

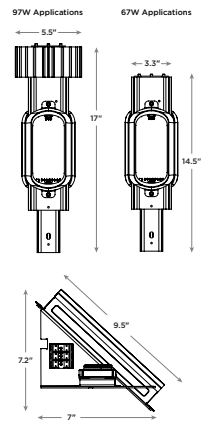
## Dimensions

### TRADITIONAL POST-TOP UPGRADE KITS

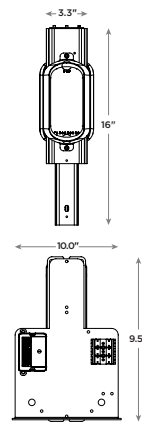
BXRAAA



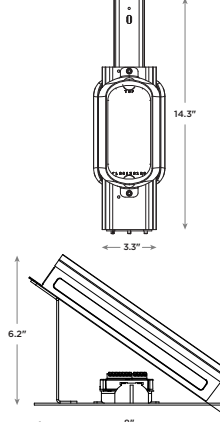
BXRAAB



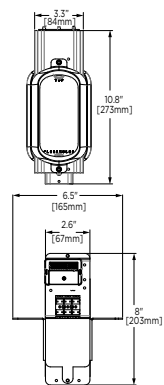
BXRAAD



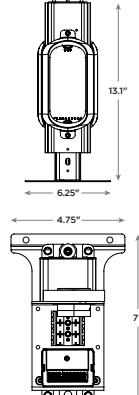
BXRAAE



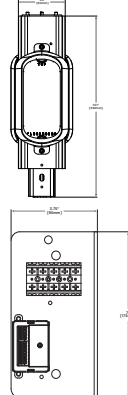
BXRAAF



BXRAAH



BXRAAK



## You May Also Be Interested In:



**CREE EDGE™ SERIES  
SECURITY p.124**  
Security & Perimeter Lighting Solutions



**CREE EDGE™ SERIES  
AREA p.78**  
Sleek, Modular Area Lighting Solutions

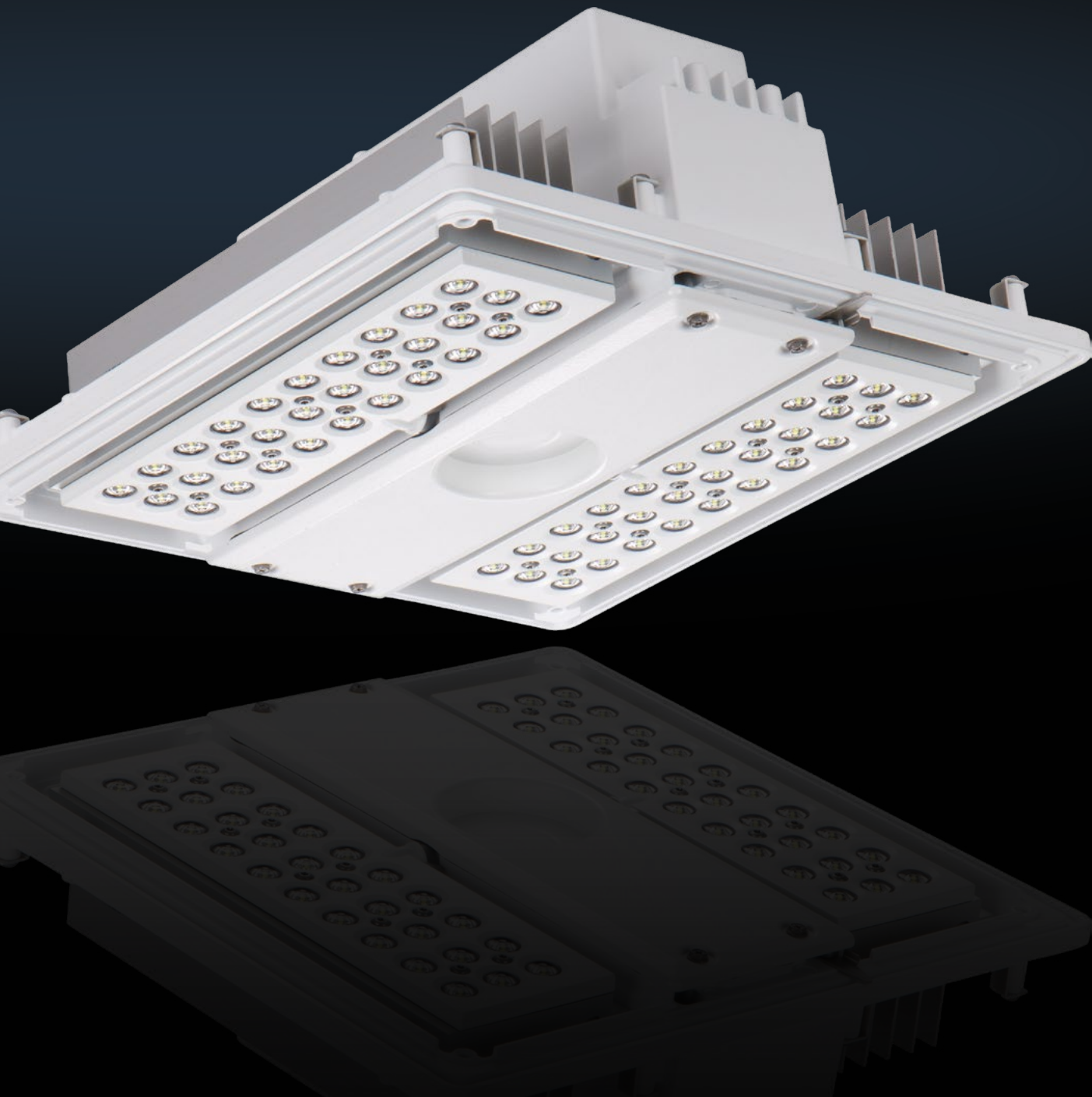


**CREE EDGE™ SERIES  
FLOOD p.116**  
Flood Lighting Solutions



# LED Canopy

Commercial and retail canopy lighting plays a vital role in the appearance and perception of a business. Reduced light levels and random lamp outages over time typical of traditional lighting products can leave businesses looking unsafe and uninviting. 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.





### 228 Series™

p.100

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



### 304 Series™

p.102

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

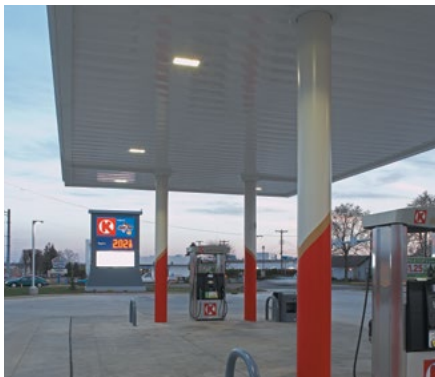


### Cree Edge™ Series

p.104

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

## 228 Series™ Recessed Canopy and 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

### FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Utilizes BetaLED® Technology
- UL wet listed
- Serviceable from below the canopy deck
- Drive currents field adjustable
- Suitable for use in single or double skin canopies with 12" or 16" wide panels
- Designed for ease of installation
- 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



228 Series™ Recessed Soffit



## 228 Series™ Recessed Canopy and Soffit

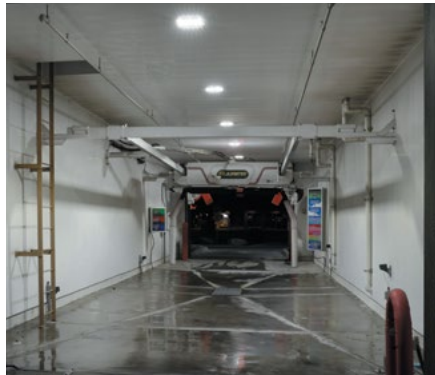
### Ordering Information

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

FAMILY	PRODUCT	OPTIC	MOUNTING		# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
CAN SFT	228	<b>3M</b> Type 3 Medium	<b>RM</b> Recessed	<b>RT4</b> Upgrade for ElSCO Merritt Series	<b>03</b> <b>06</b> <b>09</b>	<b>D</b>	<b>UL</b> Universal 120-277V	<b>WH</b> White (Standard)	<b>350</b> 350mA	<b>40K</b> 4000K CCT
		<b>5M</b> Type 5 Medium	<b>RR</b> Recessed Remodel	<b>RT5</b> Upgrade for Jet-Philips Series						
		<b>5S</b> Type 5 Short	<b>RT1</b> Upgrade for ElSCO Franciscan Series	<b>RT6</b> Upgrade for LSI Richmond or Whiteway Civic Series						
		<b>PS</b> Petroleum Symmetric	<b>RT2</b> Upgrade for LSI Dakota or Masters Series	<b>RT3</b> Upgrade for Whiteway Riviera 2 or Rig-A-Lite Series						
		<b>SL</b> Sparkle Petroleum								



## 304 Series™ Recessed Canopy and Soffit



304 Series™ Recessed Canopy



304 Series™ Recessed Soffit



## An investment in savings that looks great for years.

The 304 Series™ canopy luminaire can dramatically improve illumination performance while saving significant energy. In addition, since it is designed to operate near 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, three power conditions, and multiple optical distributions and mountings, 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)
- Utilizes BetaLED® Technology
- 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, pedestrian & recreation, petroleum & convenience store, restaurant & hospitality, retail & grocery, roadway

# 304 Series™ Recessed Canopy and Soffit

## Ordering Information

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

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

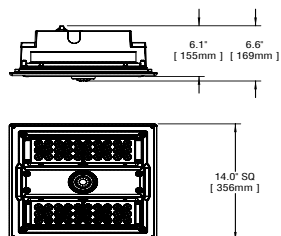
\* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

## Dimensions

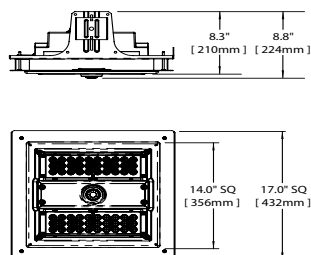
### 304 SERIES™ RECESSED CANOPY

### 304 SERIES™ RECESSED SOFFIT

#### RD Mount



#### RM Mount



## You May Also Be Interested In:



**304 SERIES™ FLOOD p.114**  
Low-Profile Flood Lighting Solutions

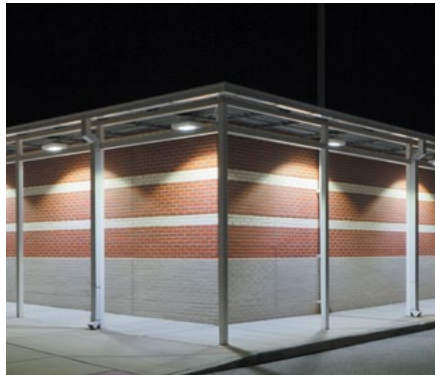


**304 SERIES™ PARKING  
STRUCTURE p.108**  
Low-Profile Parking Structure  
Lighting Solutions



**304 SERIES™ INTERIOR p.48**  
High-Performance Interior  
Lighting Solutions

## Cree Edge™ Series 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 power conditions and more than 20 optical distributions, Cree Edge™ canopy luminaires offer a scalable solution that provides exacting illumination performance. Built utilizing BetaLED® Technology, 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

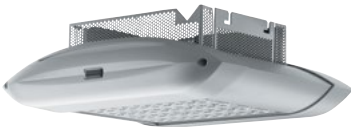
### FEATURES

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Utilizes BetaLED® Technology
- UL wet listed
- International Dark Sky Association approved
- 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, roadway

Cree Edge™ Surface Mount Canopy



## Cree Edge™ Series Surface Mount Canopy


## Ordering Information

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

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

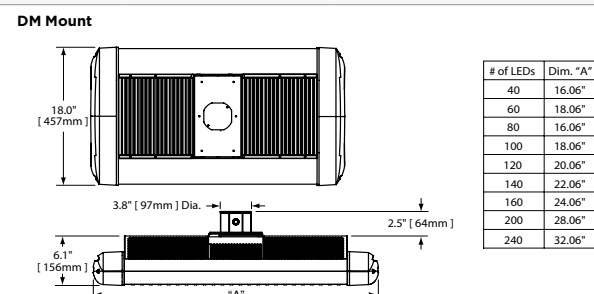
\* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

## 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)
 <p><b>XA-BRDSKP</b></p>	<p><b>XA-CL5B16</b> - For use when mounting fixture to solid surfaces</p>	<p><b>XA-PNDTLVL</b> - For 0-13° sloped ceilings</p>	<p><b>XA-CL12KIT</b> - 12" (305mm)*  <b>XA-CL18KIT</b> - 18" (457mm)*  <b>XA-CL22KIT</b> - 22" (559mm)*</p> <p>* Pendant height to bottom of fixture; mounting accessories or surface boxes will add to overall height.</p>	<p><b>XA-PSFTG</b></p>

## Dimensions

CREE EDGE™ SURFACE MOUNT CANOPY



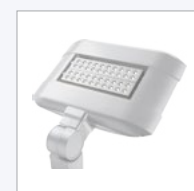
### You May Also Be Interested In:



**CREE EDGE™ SERIES**  
**PARKING STRUCTURE** p.110  
Scalable, Versatile Streetlight  
Solutions



**CREE EDGE™ SERIES**  
**SECURITY p.124**  
Security & Perimeter Lighting Solutions

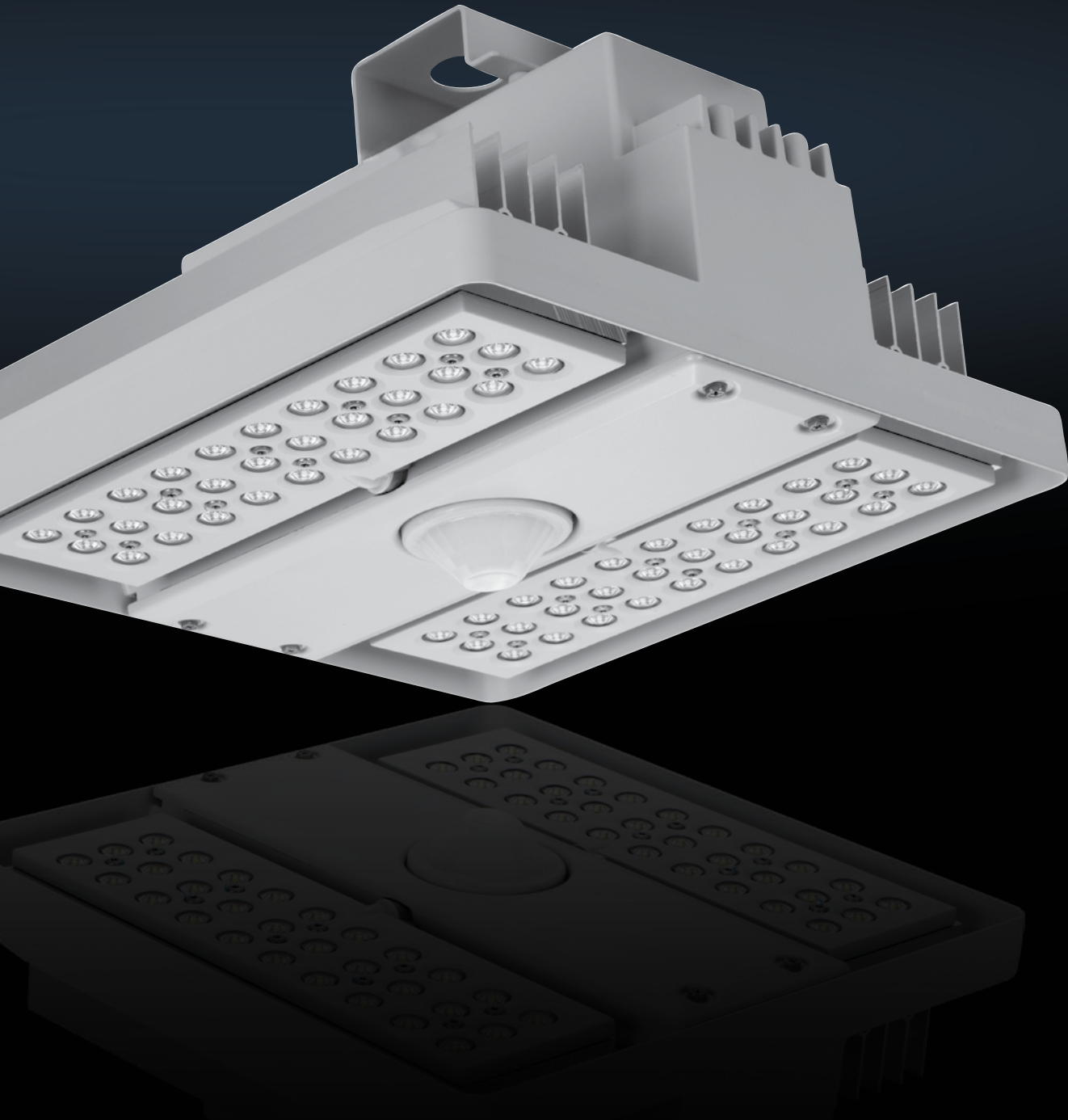


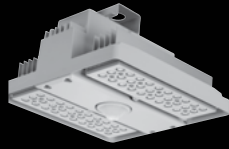
**CREE EDGE™ SERIES**  
**FLOOD p.116**  
Flood Lighting Solutions



# 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.



**304 Series™**

p.108

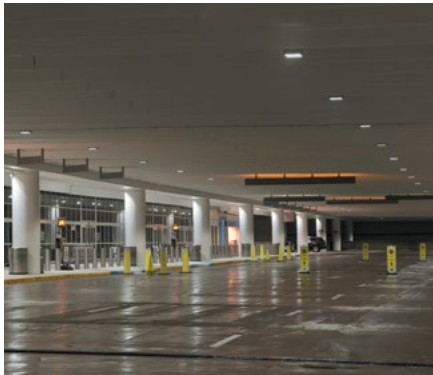
- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Utilizes BetaLED® Technology
- UL wet listed
- Multi-Level options
- Integrated occupancy sensor
- Low-profile design

**Cree Edge™ Series**

p.110

- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Utilizes BetaLED® Technology
- UL wet listed
- Two-Level options
- Integrated occupancy sensor
- Modular, low-profile design

## 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 PKG-304 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)
- Utilizes BetaLED® Technology
- UL wet listed
- Multi-Level options
- Integrated occupancy sensor
- 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™ Parking Structure



## 304 Series™ Parking Structure

## Ordering Information

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

FAMILY	PRODUCT	OPTIC	MOUNTING	# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
PKG	304	5M Type 5 Medium 5S Type 5 Short PS Petroleum Symmetric SL Sparkle Petroleum 25 25-degree 40 40-degree	DM Direct Mount HC Hook and Cord PD Pendant Mount	04 06	D	UL Universal 120-277V UH Universal 347-480V	SV Silver BZ Bronze BK Black WH White PB Platinum Bronze	350 350mA 525 525mA 700 700mA (Standard)	40K 4000K CCT DIM 0-10V Dimming F Fuse ML Multi-Level (75/525) J Alternate Junction Box

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

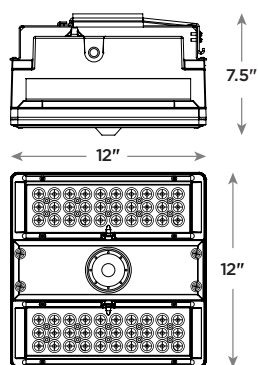
## Accessory Information

FOR DIRECT MOUNT	FOR HOOK AND CORD MOUNT	FOR PENDANT MOUNT
<b>XA-XCPVLNC</b> - Bird Valence	<b>XA-L515P</b> (120V) - Locking-Type Plug <b>XA-L615P</b> (208/240V) - Locking-Type Plug <b>XA-L715P</b> (277V) - Locking-Type Plug <b>XA-L3720P</b> (347V) - Locking-Type Plug <b>XA-L515R</b> - Locking-Type Receptacle (120V) <b>XA-L615R</b> - Locking-Type Receptacle (208/240V) <b>XA-L715R</b> - Locking-Type Receptacle (277V) <b>XA-L720R</b> - Locking-Type Receptacle (347V) <b>XA-XCPBRDGRD</b> - Bird Guard	<b>XA-PNDTLVL</b> - Leveler (For 0-13° sloped ceilings) <b>XA-PS12KIT</b> - 12" (305mm) Pendant Kit* <b>XA-PS18KIT</b> - 18" (457mm) Pendant Kit* <b>XA-PS22KIT</b> - 22" (559mm) Pendant Kit* <b>XA-PSFTG</b> - Pendant Fitting <b>XA-XCPBRDGRD</b> - Bird Guard  *Pendant height from ceiling surface to bottom fixture; mounting accessory or surface boxes will add overall height.

## Dimensions

## 304 SERIES™ PARKING STRUCTURE

## DM Mount



## You May Also Be Interested In:



**CREE EDGE™ SERIES CANOPY** p.104  
Low-Profile, Easy-Mount Canopy Lighting Solutions



**CREE EDGE™ SERIES SECURITY** p.124  
Security & Perimeter Lighting Solutions



**CREE EDGE™ SERIES FLOOD** p.116  
Flood Lighting Solutions

## Cree Edge™ Series Parking Structure



### Tight operating budgets could use an Edge.

Like our 304 Series Parking Structure offering, the Cree Edge™ Parking Structure luminaire provides the opportunity for improved illumination performance and significant energy and maintenance savings, but in a different form factor. Launched in 2007 with BetaLED® Technology, the Cree Edge™ Parking Structure luminaire has earned a reputation for performance and reliability. Available in 20- LED increments (20 to 100 LEDs), three power conditions and multiple optical distributions, our Cree Edge™ Parking Structure luminaire provides flexibility needed to meet application-specific illumination performance requirements. Energy savings can be enhanced with our optional integrated occupancy sensor.

#### 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)
- Utilizes BetaLED® Technology
- UL wet listed
- Two-Level options
- Integrated occupancy sensor
- 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, roadway

Cree Edge™ Parking Structure





## Cree Edge™ Series Parking Structure

## Ordering Information

Example: **PKG-EDG-5M-DM-06-D-UL-SV-525-ML**

FAMILY	PRODUCT	OPTIC	MOUNTING	# OF LEDs (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
PKG	EDG	<b>5M</b> Type 5 Medium	<b>DM</b> Direct Mount	<b>02</b>	<b>D</b>	<b>UL</b> Universal 120-277V	<b>SV</b> Silver	<b>350</b> 350mA	<b>40</b> 4000K CCT
		<b>5S</b> Type 5 Short		<b>04</b>					
		<b>PS</b> Petroleum Symmetric		<b>06</b>					
		<b>15</b> 15°		<b>08</b>					
		<b>25</b> 25°		<b>10</b>					
		<b>40</b> 40°							
						<b>UH</b> Universal 347-480V			
						<b>12</b> 120V			
						<b>24</b> 240V			
						<b>27</b> 277V			
						<b>34</b> 340V			
							<b>BZ</b> Bronze	<b>525</b> 525mA	<b>DIM</b> 0-10V Dimming
							<b>BK</b> Black	<b>700</b> 700mA	<b>F</b> Fuse
							<b>WH</b> White		<b>HL</b> High/Low (175/350/525 Dual Circuit Input)
							<b>PB</b> Platinum		<b>P</b> Photocell
							<b>BZ</b> Bronze		<b>ML</b> 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

## FOR PENDANT MOUNT

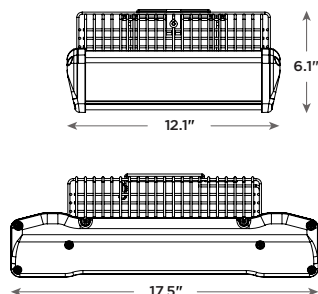
**XA-PNDTLVL** - Leveler (For 0-13° sloped ceilings)**XA-PSFTG** - Pendant Fitting**XA-PS12KIT** - 12" (305mm) Pendant Kit\***XA-PS18KIT** - 18" (457mm) Pendant Kit\***XA-PS22KIT** - 22" (559mm) Pendant Kit\*

\*Pendant height from ceiling surface to bottom of fixture; mounting accessories or surface boxes will add to overall height.

## Dimensions

## CREE EDGE™ PARKING STRUCTURE

## DM Mount



## You May Also Be Interested In:

**CREE EDGE™ SERIES  
AREA** p.78

Sleek, Modular Area Lighting Solutions

**CREE EDGE™ SERIES  
SECURITY** p.124

Security &amp; Perimeter Lighting Solutions

**CREE EDGE™ SERIES  
FLOOD** p.116

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 featuring patented BetaLED® NanoOptic® Technology 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.





### 304 Series™

p.114

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



### Cree Edge™ Series

p.116

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

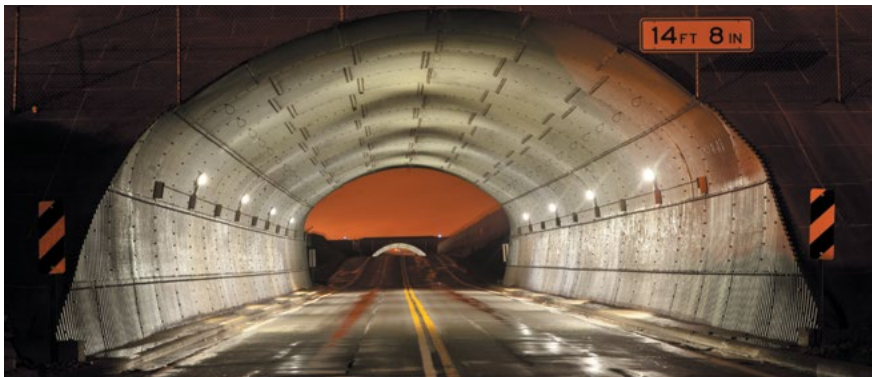


### OL Series™

p.118

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

## 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)
- Utilizes BetaLED® Technology
- UL wet listed
- Photometric testing to IESNA-79-08 standards
- 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



## 304 Series™ Flood

## Ordering Information

Example: FLD-304-25-06-D-UL-WH-525-40K

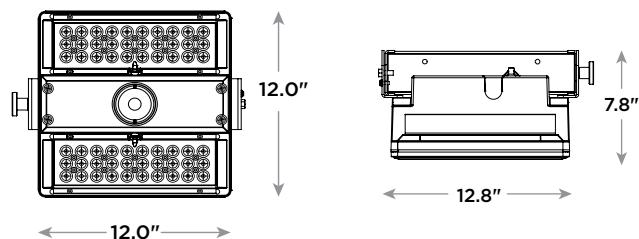
FAMILY	PRODUCT	OPTIC	MOUNTING	# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
FLD	304	<b>2M</b> Type 2 Medium	<b>YM</b> Yoke Mount	<b>04</b> <b>06</b>	<b>D</b>	<b>UL</b> Universal 120-277V	<b>SV</b> Silver	<b>350</b> 350mA	<b>40K</b> 4000K CCT
		<b>3M</b> Type 3 Medium					<b>BZ</b> Bronze	<b>525</b> 525mA	<b>DIM</b> 0-10V Dimming
		<b>5M</b> Type 5 Medium					<b>BK</b> Black	<b>700</b> 700mA (Standard)	<b>F</b> Fuse
		<b>5S</b> Type 5 Short Medium					<b>WH</b> White		<b>ML</b> Multi-Level (75/525)
		<b>N6</b> NEMA 6x6					<b>PB</b> Platinum Bronze		
		<b>PS</b> Petroleum Symmetric							

\* 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™ FLOOD

## YM Mount

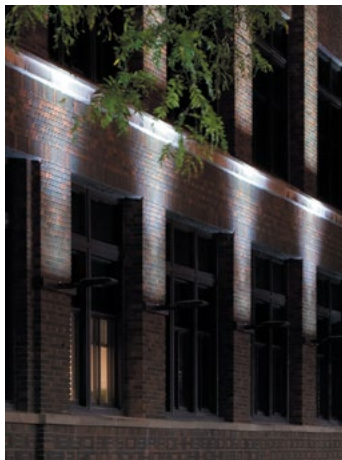


## You May Also Be Interested In:

**304 SERIES™ CANOPY** p.102  
Canopy Lighting Solutions**304 SERIES™ PARKING STRUCTURE** p.108  
Low-Profile Parking Structure Lighting Solutions**304 SERIES™ INTERIOR** p.48  
High-Performance Interior Lighting Solutions



## Cree Edge™ Series Flood



## A flood lighting solution with precise optical control.

Featuring BetaLED® Technology, 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)
- Utilizes BetaLED® Technology
- 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, roadway

Cree Edge™ High Output Flood

Cree Edge™ Flood Round

Cree Edge™ Flood Square



## Cree Edge™ Series Flood

## Ordering Information

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

FAMILY	PRODUCT	OPTIC	MOUNTING	# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
FLD	EHO	N6	AA	02	D	UL	SV	350	40K
	EDR	NEMA 6x6	Adjustable Arm	04		Universal	Silver	350mA	4000K CCT
	EDG	SN	SA	06		120-277V	BZ	525	DIM
		Sign	Side Arm Mount	08		Universal	Bronze	525mA	0-10V Dimming
		15°		10		347-480V	BK	700	F
		15°		12			Black	700mA	Fuse
		25°		14		120V	WH	1000	HL
		25°		16			White	1000mA	High/Low (175/350/525 Dual Circuit Input)
		40°		20		208V	PB		P
		40°		24			Platinum		Photocell
		70°				244V	Bronze		R
		70°				277V			NEMA Photocell Receptacle
						340V			ML
						480V			Multi-Level (75/525)
									UP

\* 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 (EDG AND EDR MODELS ONLY)



XA-BRDSPK

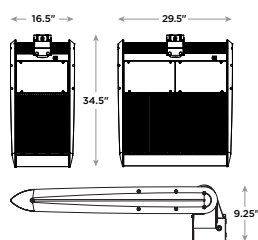
## Dimensions

## CREE EDGE™ HIGH OUTPUT FLOOD

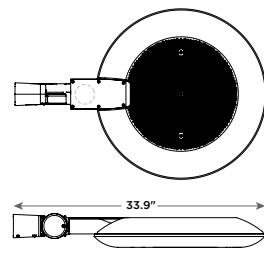
## CREE EDGE™ FLOOD ROUND

## CREE EDGE™ FLOOD SQUARE

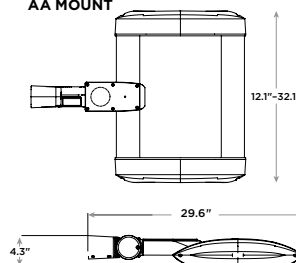
## AA MOUNT



## AA MOUNT



## AA MOUNT



## You May Also Be Interested In:



**CREE EDGE™ SERIES PARKING STRUCTURE p.110**  
Scalable, Versatile Streetlight Solutions



**CREE EDGE™ SERIES SECURITY p.124**  
Security & Perimeter Lighting Solutions



**CREE EDGE™ AREA p.78**  
Sleek, Modular Area 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: 4000K (+/-300K), 5700K (+/-500K)
- Utilizes BetaLED® Technology
- UL wet listed
- Photometric testing to IESNA-79-08 standards
- 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, roadway

OL Series™ Linear Flood



## OL Series™ Linear Flood

## Ordering Information

Example: FLD-OL-25-D4-07-D-UL-WH-700-40K

FAMILY	PRODUCT	OPTIC	MOUNTING/LENGTH	# OF LEDS PER FOOT	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
FLD	OL	N6 NEMA 6x6	D2 Direct Rotatable - 2' (.6m)	07 14	D	UL Universal 120-277V	SV Silver	350 350mA	40K 4000K CCT
		SN Sign	D4 Direct Rotatable - 4' (1.2m)			UH Universal 347-480V	BZ Bronze	525 525mA	35K 3500K CCT
		15 15°	D8 Direct Rotatable - 8' (2.4m)				BK Black	700 700mA (Standard)	DIM 0-10V Dimming
		25 25°					WH White		
		40 40°					PB Platinum		
		70 70°					BZ Bronze		

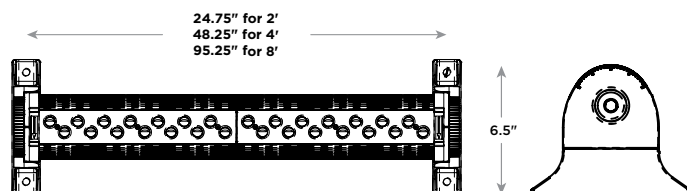
\* Ordering information is for reference only. Some product configurations are not available. Please consult spec sheets for specific product availability and for further details.

## 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-XFR9PB XA-XFR9BZ	Spaces luminaire center 12" (305mm) away from the mounting surface XA-XFR12SV XA-XFR12WH XA-XFR12BK XA-XFR12PB XA-XFR12BZ	Spaces luminaire center 18" (457mm) away from the mounting surface XA-XFR18SV XA-XFR18WH XA-XFR18BK XA-XFR18PB XA-XFR18BZ

## Dimensions

## OL SERIES™ FLOOD



## You May Also Be Interested In:



**CREE EDGE™ SERIES FLOOD p.116**  
Flood Lighting Solutions



**304 SERIES™ FLOOD p.114**  
Low-Profile Flood Lighting Solutions



**304 SERIES™ INTERIOR p.48**  
High-Performance Interior Lighting Solutions

# LED Security

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.





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	<p data-bbox="829 205 1081 237"><b>Aeroblades™ Series</b></p> <p data-bbox="1430 212 1487 237">p.122</p> <ul data-bbox="829 258 1276 541" style="list-style-type: none"><li>· Minimum 70 CRI</li><li>· CCT: 4000K (+/-300K), 5700K (+/-500K)</li><li>· Utilizes BetaLED® Technology</li><li>· UL wet listed</li><li>· Dimming options</li><li>· Integral and remote drivers available</li><li>· Modular, low-profile design</li><li>· 2-, 4- or 6-blade configurations</li></ul>
	<p data-bbox="829 609 1073 640"><b>Cree Edge™ Series</b></p> <p data-bbox="1430 615 1487 640">p.124</p> <ul data-bbox="829 661 1276 871" style="list-style-type: none"><li>· Minimum 70 CRI</li><li>· CCT: 4000K (+/-300K), 5700K (+/-500K)</li><li>· Utilizes BetaLED® Technology</li><li>· UL wet listed</li><li>· Multi-Level options</li><li>· Modular, low-profile design</li></ul>

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## Aeroblades™ Series Security



## Leadership in performance meets leadership in design.

Developed in partnership with the renowned design firm Speirs + Major, Cree® Aeroblades Series combines industry-leading BetaLED® Technology with unmatched design. The result is a luminaire that is architecturally pleasing by day without sacrificing illumination performance by night. Available in 20-, 40- and 60-LED configurations, multiple power conditions and optical distributions, as well as seven color selections, the Aeroblades Series has what it takes to satisfy both lighting designers and architects alike.

### 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)
- Utilizes BetaLED® Technology
- UL wet listed
- Dimming options
- Integral and remote drivers available
- Modular, low-profile design
- 2-, 4- or 6-blade configurations

### APPLICATIONS

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

### Aeroblades™ Security



## Aeroblades™ Series Security

## Ordering Information

Example: **BXAB-R-2-4-D-V-D-G-6-Y**

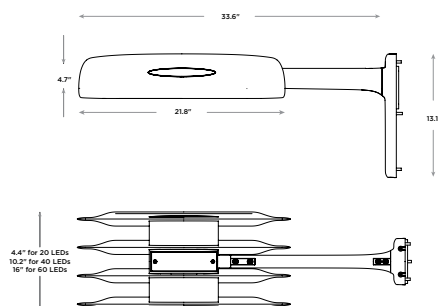
PRODUCT	MOUNTING	OPTIC	# OF LEDs (X10)	LED SERIES	VOLTAGE	DRIVE CURRENT	COLOR OPTIONS	COLOR TEMP OPTIONS	FACTORY INSTALLED OPTIONS
<b>BXAB</b>	<b>R</b> Wall Mount with Remote Driver	<b>2</b> Type 2 Medium	<b>2</b>	<b>D</b>	<b>U</b> Universal 120-277V	<b>C</b> 525mA	<b>G</b> Graphite	<b>6</b> 5700K	<b>Y</b> 0-10V Dimming
		<b>4</b> Type 2 Medium	<b>4</b>			<b>D</b> 700mA	<b>A</b> Platinum	<b>7</b> 4000K	
		<b>F</b> Type 2 Short	<b>6</b>			<b>V</b> Universal 347-480V	<b>S</b> Silver		
	<b>W</b> Wall Mount with Integral Driver	<b>3</b> Type 3 Medium				<b>X</b> 1000mA	<b>T</b> Black		
		<b>4</b> Type 4 Medium					<b>P</b> Platinum Bronze		
							<b>W</b> White		
							<b>Z</b> Bronze		

\* 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

## AEROBLADES™ SECURITY

## R MOUNT



## You May Also Be Interested In:

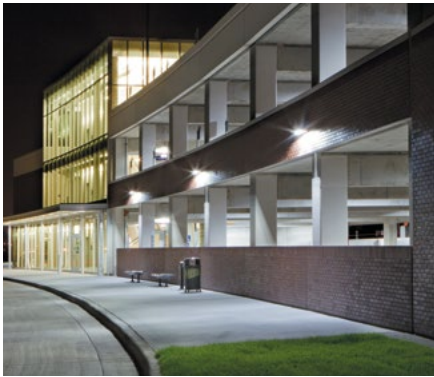


**TRADITIONAL POST-TOP UPGRADE KIT p.96**  
Easily Convert Decorative Streetlights to LED



**AEROBLADES™ SERIES AREA p.76**  
Aesthetic Area Lighting Solutions

## Cree Edge™ Series 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. Built utilizing BetaLED® Technology, 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)
- 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™ Security



## Cree Edge™ Series Security

## Ordering Information

Example: SEC-EDG-2M-WM-06-D-UL-SV-525-DIM

PRODUCT	FAMILY	OPTIC	MOUNTING	# OF LEDS (X10)	LED SERIES	VOLTAGE	COLOR OPTIONS	DRIVE CURRENT	FACTORY INSTALLED OPTIONS
SEC	EDG	<b>2M</b> Type 2 Medium <b>2S</b> Type 2 Short <b>3M</b> Type 3 Medium <b>4M</b> Type 4 Medium <b>2MB</b> Type 2 Medium w/Backlight Shield <b>2SB</b> Type 2 Medium w/Backlight Shield <b>3MB</b> Type 3 Medium w/Backlight Shield <b>4MB</b> Type 4 Medium w/Backlight Shield	WM Wall Mount	<b>04</b> <b>06</b> <b>08</b> <b>10</b> <b>12</b>	D	<b>UL</b> Universal 120-277V <b>UH</b> Universal 347-480V <b>12</b> 120V <b>24</b> 240V <b>27</b> 277V <b>34</b> 347V	<b>SV</b> Silver <b>BZ</b> Bronze <b>BK</b> Black <b>WH</b> White <b>PB</b> Platinum Bronze	<b>350</b> 350mA <b>525</b> 525mA <b>700</b> 700mA	<b>40K</b> 4000K CCT <b>DIM</b> 0-10V Dimming <b>F</b> Fuse <b>P</b> Photocell <b>ML</b> 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 OPTION

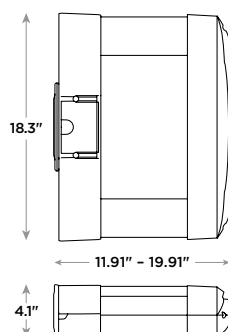


XA-BRDSPK

## Dimensions

## CREE EDGE™ SECURITY

## WM MOUNT



## You May Also Be Interested In:



**CREE EDGE™ SERIES PARKING STRUCTURE p.110**  
Scalable, Versatile Streetlight Solutions



**CREE EDGE™ AREA p.78**  
Sleek, Modular Area Lighting Solutions



**CREE EDGE™ SERIES FLOOD p.116**  
Flood Lighting Solutions



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## Cree IS LED Lighting

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

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