



# LED LIGHTING PRODUCT GUIDE

CANADA

**CREE**  LIGHTING



## **INDOOR LED PRODUCTS**

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LED DYNAMIC SKYLIGHT	2
LED SPECIFICATION LINEAR	4
LED SPECIFICATION DOWNLIGHT	6
LED RETROFIT DOWNLIGHTS	8
LED TROFFERS	10
LED UPGRADE SOLUTIONS	14
LED SUSPENDED AMBIENT	18
LED SURFACE AMBIENT	22
LED HIGH-BAY/LOW-BAY	26
LED LAMPS	30
LED TRACK LIGHTING	34
TRACK ACCESSORIES	40

## **OUTDOOR LED PRODUCTS**

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LED AREA	44
LED DECORATIVE STREET & ROADWAY	48
LED STREET & ROADWAY	52
LED CANOPY & SOFFIT	56
LED PARKING STRUCTURE	60
LED FLOOD	64
LED WALL MOUNT	68

## **CREE LIGHTING TECHNOLOGIES**

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CREE SMARTCAST INTELLIGENCE PLATFORM™	71
CREE WAVEMAX® TECHNOLOGY	76
COLORFAST DELTAGUARD® FINISH	76
CREE TRUEWHITE® TECHNOLOGY	77
NANOOPTIC® TECHNOLOGY	77

\*LED lighting replacements are general recommendations only. They can vary dependent upon application and optical performance requirements. Consult factory for specific product recommendation based on application.

# LED DYNAMIC SKYLIGHT





COMING SOON

## Cadiant™ Dynamic Skylight

### PRELIMINARY

- CCT: 3000K - 6500K
- Up to 3500 lumens
- Up to 75 LPW

- Input Power: 6W - 50W
- Dimming: Smartcast® Technology to 5%
- 5-year limited warranty

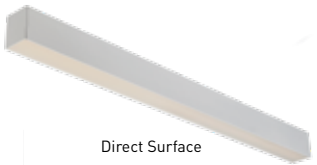
**APPLICATIONS:** Office, education, healthcare, retail, hospitality

Innovative architectural dynamic skylight for any space looking to bring the outdoors in by realistically recreating the natural arc of the sky to allow people to create a connection with nature.

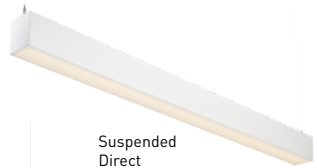
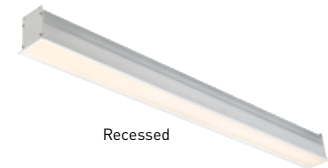
- Enhances architectural designs with visual impact and dramatic scene-setting
- Proprietary spectral recipe simulates the natural cycle of the day from sunrise to sunset with variation of warm and cool light and east to west orientation
- Deep 8" recessed element looks like a portal to the sky and creates the feeling of cycling throughout a day
- Local standalone system uses an intuitive wall-mounted touchscreen with a clean graphic interface that provides control over multiple luminaires
- SmartCast® Technology allows nearby fixtures to connect and harmonize in sync with Cadiant™ dynamic skylights

# LED SPECIFICATION LINEAR

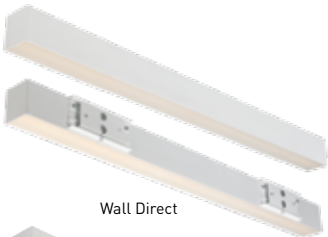




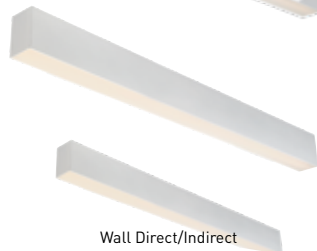
Direct Surface

Suspended  
DirectSuspended  
Direct/Indirect

Recessed



Wall Direct



Wall Direct/Indirect

COMING SOON

## Stylus Series

Specification grade modern 3" linear portfolio designed around architectural simplicity and human comfort

### PRELIMINARY

- Full linear 3" portfolio to design an entire space: suspended, recessed, surface and wall mounts
  - Uplight/downlight option for both suspended and wall mount
  - Continuous row options from 2' to 72' (120V) or 144' (277V) with just one power drop for easy installation
  - Three housing color options of white, black and graphite
  - 90+ CRI, R9>65
  - CCT: 3000K, 3500K, 4000K
  - Input Power: 9W – 141W
- Three lumen options:  
Low: ~ 400 lumens/ft  
Medium: ~ 650 lumens/ft  
High: ~ 900 lumens/ft
  - Up to 85 LPW
  - 120-277 VAC or 347 VAC
  - 10-year limited warranty
  - Individual mount or continuous row for recess, surface, suspended and wall mount
  - Multiple dimming and network control options

APPLICATIONS: Office, education, healthcare, retail, hospitality

# LED SPECIFICATION DOWNLIGHTS





Cree® LED specification downlights allow designers to meet interior lighting performance requirements while achieving beautiful color consistency with easy installation.

## KR Series



- Minimum 90 CRI
- CCT: 2700K, 3000K, 3500K, 4000K, 5000K
- Up to 8000 lumens
- Input Power: 13W – 118W
- Cree TrueWhite® Technology
- Cree WaveMax® Technology in 8" round for precise optical control
- Controls/Dimming: KR4 and KR6: TRIAC 5%, 0-10V 10%, KR8: 0-10V 1%, Cree Sunset Dimming Technology (2700K – 1800K CCT), SmartCast® Technology to 5%, and Lutron EcoSystem® Enabled to 5%
- 4" or 6" round and square apertures with Sunset Dimming from 2700K to 1800K, and SmartCast® Technology
- 10-year limited warranty

**APPLICATIONS:** New construction (heights up to 40')

## Essentia® Series Downlights



- 90+ CRI
- CCT: 2700K, 3000K, 3500K, 4000K
- Up to 6315 lumens
- Input Power: 12W – 86W
- 0-10V continuous dimming to 1%, TRIAC dimming to 10%
- 4", 6" and 8" round apertures, along with wall wash and adjustable accent configurations
- Available with Emergency Backup option
- 5-year limited warranty

**APPLICATIONS:** New construction and retrofit

# LED RETROFIT DOWNLIGHTS



Cree® LED retrofit downlights deliver beautiful light with superior color quality and high energy efficiency — a true no-compromise solution that takes only seconds to install.



## LR Series

Replaces multi-CFL pin-based configurations up to 42 watts.

- 90 CRI
- CCT: 2700K, 3500K, 4000K
- 650, 1050 or 1800 lumens
- Up to 100 LPW
- Input Power: 7.5W, 10.5W or 22W
- Cree TrueWhite® Technology
- Continuous dimming to 5% (120V forward phase; 277V trailing edge)
- 10-year limited warranty

**APPLICATIONS:** Recessed lighting in both new construction and retrofit commercial settings



## CR-T Series

Replaces 75W, 100W or 150W incandescent downlights.

- 90 CRI
- CCT: 2700K, 3000K, 3500K, 4000K
- Up to 1600 lumens
- Input Power: 10.5W - 21W
- Deep recess options for reduced glare
- Dimmable with TRIAC dimmers at 120V
- 4" and 6" sizes
- 5-year limited warranty

**APPLICATIONS:** Recessed lighting in both new and retrofit residential and light commercial



## DDS Series

Replaces 65W or 75W incandescent downlights.

- 90 CRI
- CCT: 2700K, 3000K, 4000K
- 750 or 900 lumens
- Up to 85 LPW
- Input Power: 9W or 10.5W
- 4" and 6" sizes
- Dimmable with most standard dimmers
- Wet rated
- 5-year limited warranty

**APPLICATIONS:** Recessed lighting in both new and retrofit residential and light commercial



# LED TROFFERS





SmartCast® Technology optional



Adjustable CCT with optional SmartCast® Technology

## CR Series

Replaces linear fluorescent fixtures in new construction or renovation.

- 80+ – 90 CRI
- CCT: 3000K, 3500K, 4000K, 5000K or adjustable CCT with Cree SmartCast® Technology
- 2000 to 5000 lumens
- 90 - 130 LPW
- Input Power: 22W – 50W
- Cree TrueWhite® Technology (90 CRI)
- Available with Cree SmartCast® Technology; step level to 50%, 0-10V dimming to 5% or Lutron EcoSystem® Enabled to 5%
- 10-year limited warranty

APPLICATIONS: Office, education and healthcare



On CR HD and CR TW



On CR HE TW



SmartCast® Technology optional



Removable lens

## ZR Series

Replaces linear fluorescent fixtures in new construction or renovation.

- 80+ CRI for ZR-C
- 90+ CRI for ZR-MT & ZR Series
- CCT: 3000K, 3500K, 4000K or 5000K\*
- 3200 to 5000 lumens
- High efficacy up to 132 LPW
- Input Power: 25W – 44W
- Cree TrueWhite® Technology (90 CRI)
- 0-10V dimming to 5% standard; SmartCast® Technology optional
- Intuitive removable lens
- 10-year limited warranty for ZR-MT and ZR Series
- 5-year limited warranty on ZR-C Series

APPLICATIONS: Office, education and healthcare



On ZRMT TW



On ZRC-FD

\* Not available on all types



## FLEX Series

Specification LED troffer that replaces linear fluorescent fixtures in new construction or renovation.

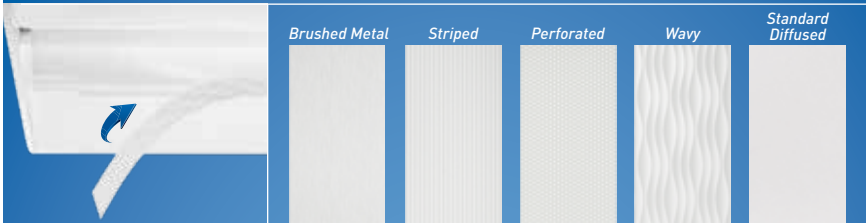
- 83+ CRI
- CCT: 3000K, 3500K, 4000K, 5000K
- 3200 or 5000 lumens (2x2)
- 3200, 4000, 5000 or 6000 lumen options (2x4, 1x4)
- Up to 145 LPW
- Input Power: 23W - 43W
- 0-10V dimming to 1% standard; SmartCast® Technology optional
- Inner Optic accessory options for more flexibility and enhanced aesthetics
- Brushed Metal, Striped, Perforated, Wavy, and Standard Diffused options
- Emergency Battery option on board
- 10-year limited warranty

**APPLICATIONS:** Office, retail, education, and healthcare

Targeted to meet DLC Premium certification

### 5 INNER OPTIC DESIGN CHOICES

The inner optics simply snap into the FLEX lens channel for enhanced design flexibility.





Green Team (301-311)  
Nurse Station

Red Team (301-311)  
Nurse Station

# LED UPGRADE SOLUTIONS





Cree® LED upgrade solutions offer customers the ability to maintain the existing aesthetic of a fluorescent fixture but take advantage of the greater energy efficiency and long lifespan of LED lights.



## ZR-RK Commercial Series LED Troffer Retrofit Kit

**Replaces most existing 2'x4' and 2'x2' recessed troffers.**

- Easy installation: 4 parts, 4 minutes
- 80+ CRI
- CCT: 3000K, 3500K, 4000K
- 3200 to 5000 lumens
- Up to 132 LPW
- Input Power: 24W – 38W
- 0-10V dimming to 5%
- 5-year limited warranty

**APPLICATIONS:** Office, education, hospitality and healthcare



# ZR-RK Commercial Series LED Troffer Retrofit Kit continued





# LED SUSPENDED AMBIENT



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



## LN Series

Replaces linear fluorescent indirect/direct suspended fixtures.

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• 90 CRI</li> <li>• CCT: 3500K, 4000K</li> <li>• 3400 – 3700 lumens</li> <li>• 115 LPW</li> <li>• Input Power: 32W</li> <li>• Cree WaveMax® Technology</li> </ul> | <ul style="list-style-type: none"> <li>• Cree TrueWhite® Technology</li> <li>• 0-10V dimming to 5% or Cree SmartCast® Technology</li> <li>• Modular light engine for simpler design and installation</li> <li>• 10-year limited warranty</li> </ul> |
|--|---|

APPLICATIONS: Office, education



SmartCast® Technology  
Ambient/Motion Sensor



Interlocking Units

## LSQ Square Series

Replaces linear fluorescent lamp systems, strips, wraps and more.

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• 80+, 90 CRI</li> <li>• CCT: 3500K, 4000K, 5000K</li> <li>• 4,000 - 10,000 lumens</li> <li>• Up to 130 LPW</li> <li>• Input Power: 44W - 87W</li> <li>• 120-277 or 347 VAC</li> </ul> | <ul style="list-style-type: none"> <li>• 0-10V dimming to 5%</li> <li>• Individual mount or continuous row - surface mount, suspended, pendant and cove</li> <li>• 5-year limited warranty LSQ-C; 10-year limited warranty LSQ</li> </ul> |
|---|---|

APPLICATIONS: Office, education, grocery and retail



Square Beauty  
End Cap





Round Beauty End Cap



Suspended mount with optional reflectors

## LS Series

Replaces linear fluorescent lamp systems, strips, wraps and more.

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• 90+ CRI (LS TrueWhite®) or 80+ CRI (LS-C)</li> <li>• CCT: 3500K, 4000K, 5000K</li> <li>• 2500, 4000 and 5000 lumens for 4'</li> <li>• 8000 and 10,000 lumens for 8'</li> <li>• Up to 150 LPW</li> <li>• Input Power: 44W and 88W (LS TrueWhite®) 20W and 51W (LS-C)</li> </ul> | <ul style="list-style-type: none"> <li>• Cree TrueWhite® Technology</li> <li>• 0-10V dimming to 5%</li> <li>• 4' and 8' sizes</li> <li>• Thru-wiring option available</li> <li>• 10-year limited warranty for LS TrueWhite®</li> <li>• 5-year limited warranty on LS-C</li> </ul> |
|---|---|

APPLICATIONS: Industrial, manufacturing, grocery and retail



LS TrueWhite®



LS-C



## CS Series

Replaces fluorescent indirect/direct suspended fixtures.

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• 90 CRI</li> <li>• CCT: 3500K, 4000K</li> <li>• 2200 to 8000 lumens</li> <li>• Up to 115 LPW</li> <li>• Input Power: 22W – 75W</li> </ul> | <ul style="list-style-type: none"> <li>• Cree TrueWhite® Technology</li> <li>• Available with Cree SmartCast® Technology; 0-10V dimming to 5%</li> <li>• 10-year limited warranty</li> </ul> |
|---|--|

APPLICATIONS: Grocery, retail or light industrial





# LED SURFACE AMBIENT

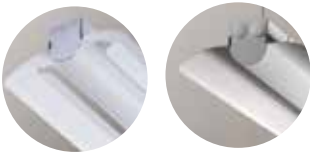




Cree® surface ambient fixtures provide exceptional illumination performance, cost-effective lighting and are designed for easy installation to save time and money.



Round Beauty End Cap



Suspended mount with optional reflectors

## LS Series

Replaces linear fluorescent lamp systems, strips, wraps and more.

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• 90+ CRI (LS TrueWhite®) or 80+ CRI (LS-C)</li> <li>• CCT: 3500K, 4000K, 5000K</li> <li>• 2500, 4000 and 5000 lumens for 4'</li> <li>• 8000 and 10,000 lumens for 8'</li> <li>• Up to 150 LPW</li> <li>• Input Power: 44W and 88W (LS TrueWhite®) 20W and 51W (LS-C)</li> </ul> | <ul style="list-style-type: none"> <li>• Cree TrueWhite® Technology</li> <li>• 0-10V dimming to 5%</li> <li>• 4' and 8' sizes</li> <li>• Thru-wiring option available</li> <li>• 10-year limited warranty for LS TrueWhite®</li> <li>• 5-year limited warranty on LS-C</li> </ul> |
|---|---|

APPLICATIONS: Industrial, manufacturing, grocery and retail



LS TrueWhite®



LS-C

## LSQ Square Series

Replaces linear fluorescent lamp systems, strips, wraps and more.

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• 80+, 90 CRI</li> <li>• CCT: 3500K, 4000K, 5000K</li> <li>• 4,000 - 10,000 lumens</li> <li>• Up to 130 LPW</li> <li>• Input Power: 44W - 87W</li> <li>• 120-277 or 347 VAC</li> </ul> | <ul style="list-style-type: none"> <li>• 0-10V dimming to 5%</li> <li>• Individual mount or continuous row - surface mount, suspended, pendant and cove</li> <li>• 5-year limited warranty LSQ-C; 10-year limited warranty LSQ</li> </ul> |
|---|---|

APPLICATIONS: Office, education, grocery and retail



Square Beauty End Cap





## WS Series

Replaces linear fluorescent lamp systems, strips, wraps and more.

- |  |  |
|--|--|
| <ul style="list-style-type: none"><li>• 80 CRI</li><li>• CCT: 3500K, 4000K, 5000K</li><li>• 4100 or 6100 lumens</li><li>• Up to 142 LPW</li><li>• Input Power: 30W - 43W</li></ul> | <ul style="list-style-type: none"><li>• 0-10V dimming to 10% (standard)</li><li>• IP65 and IP66 rated</li><li>• NSF Splash Zone II certified</li><li>• 5-year limited warranty</li></ul> |
|--|--|

**APPLICATIONS:** Industrial, manufacturing, grocery and retail settings





# 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.



## KBL Series

Replaces 250W, 400W HID or up to six-lamp 54W T5HO fixtures.

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• 70, 80+ CRI</li> <li>• CCT: 3000K, 3500K, 4000K, 5000K</li> <li>• 20,900 or 27,500 lumens</li> <li>• Up to 150 LPW</li> <li>• Input Power: 142W – 189W</li> <li>• Operating temperature: -40°C up to 50°C</li> <li>• 0-10V dimming to 10%</li> <li>• Low-profile, lightweight design -14 lbs.</li> </ul> | <ul style="list-style-type: none"> <li>• Universal mounting</li> <li>• Optional multi-level occupancy sensing</li> <li>• IP65 optical assembly</li> <li>• 10-year limited warranty</li> <li>• Onboard emergency battery backup</li> </ul> <p><b>Coming Soon:</b><br/>Optional Synapse®<br/>SimplySNAP controls</p> |
|---|--|

**APPLICATIONS:** Industrial, warehouse, manufacturing, retail, grocery and gymnasiums



Opaque Glare Shield Uplight



Translucent Glare Shield Uplight

## HXB Series

Replaces 750W and 1000W HID fixtures.

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• 70 CRI; 80 CRI</li> <li>• CCT: 3500K, 4000K, 5000K</li> <li>• 35,000 and 70,000 lumens</li> <li>• Up to 150 LPW</li> <li>• Input Power: 276W – 485W</li> <li>• 0-10V dimming to 10%</li> </ul> | <ul style="list-style-type: none"> <li>• Operating temperature: -40°C to +60°C</li> <li>• Universal mounting: hook &amp; cord or pendant mount</li> <li>• Input Voltage: 120-277V (UL), 347-480V (UH)</li> <li>• 10-year limited warranty</li> </ul> |
|---|--|

**APPLICATIONS:** Industrial, warehouse, manufacturing, grocery, gymnasium and retail spaces





## LXB Series

Replaces up to 8-lamp T5HO and 1000W metal halide fixtures.

- 80+ CRI
- CCT: 4000K, 5000K
- Up to 60,000 lumens
- Up to 162 LPW
- Input Power: 80W - 365W
- Operating temperature: -30°C up to 55°C
- 0-10V dimming to 10% or multi-level occupancy sensor accessory
- 5-year limited warranty

**APPLICATIONS:** Retail and industrial high-bay, airport hangars, and gymnasiums



## Cree Edge™ Series High Output

Replaces multiple 1000W MH fixtures.

- 70 CRI (4000K & 5700K); 90 CRI (5000K)
- CCT: 5700K standard, 5000K, 4000K
- Up to 76,123 lumens
- Input Power: 267W - 831W
- Cree TrueWhite® Technology on 5000K luminaires
- 0-10V dimming to 5%
- 10-year limited warranty

**APPLICATIONS:** Retail and industrial high-bay, airport hangars, and gymnasiums

## 304 Series™

Replaces up to 320W MH fixtures.

- 70 CRI
- CCT: 4000K, 5700K
- Input Power: 46W - 101W
- UL wet listed
- Multi-Level options
- IC rated and non-IC rated available
- Modular, low-profile design
- 10-year limited warranty

**APPLICATIONS:** Interior high-bay or low-bay, convenience stores, warehouses and gymnasiums





# LED LAMPS





Soft accents or dramatic highlights — Cree® Pro Series LED lamps offer design freedom with beautiful, high-impact illumination for every lamp application.



## A19 Pro Series

40W, 60W and 75W equivalent.

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• 90 CRI</li> <li>• CCT: 2700K, 3000K, 4000K (60W only), 5000K</li> <li>• 460, 800, 1100 lumens</li> <li>• Up to 91 LPW</li> <li>• Input Power: 5.5W, 10W, 12W</li> </ul> | <ul style="list-style-type: none"> <li>• 25,000 hour rated lifetime</li> <li>• Dimmable to 5% with select dimmers</li> <li>• Suitable for damp locations</li> <li>• Good for enclosed use</li> <li>• 5-year limited warranty</li> </ul> |
|--|---|

**APPLICATIONS:** Residential, hospitality, retail and grocery



## A21 Pro Series

100W and 40W/60W/100W equivalent.

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• 90 CRI</li> <li>• A21 100W: 2700K, 3000K, 5000K</li> <li>• A21 3-way: 2700K</li> <li>• Up to 1600 lumens</li> <li>• Up to 94 LPW</li> <li>• Input Power: 17W; 5.5/9/17W</li> </ul> | <ul style="list-style-type: none"> <li>• 25,000 hour rated lifetime</li> <li>• Dimmable to 5% with select dimmers</li> <li>• Suitable for damp locations</li> <li>• 5-year limited warranty</li> </ul> |
|---|--|

**APPLICATIONS:** Hospitality, retail, grocery and residential



# BR Pro Series

- 90 CRI
- 25,000 hour rated lifetime
- Suitable for damp locations
- Dimmable to 5% with select dimmers
- 5-year limited warranty

**APPLICATIONS:** Residential, hospitality, retail and grocery



R20

## R20 50W and 75W equivalent

- CCT: 2700K, 5000K
- 560, 980 lumens
- Up to 80 LPW
- Input Power: 7W, 13W



BR30

## BR30 65W and 100W equivalent

- BR30 65W: 2700K, 3000K, 4000K
- BR30 100W: 2700K, 3000K, 5000K
- 665, 1400 lumens
- Up to 88 LPW
- Input Power: 8.8W; 16W



BR40

## BR40 120W equivalent

- BR40 120W: 2700K, 3000K, 5000K
- 1750 lumens
- 76 LPW
- Input Power: 23W



# B11 Candelabra Pro Series

**25W, 40W and 60W equivalent.**



- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• 90 CRI</li> <li>• CCT: 2700K, 5000K</li> <li>• 220, 300, 515 lumens</li> <li>• Up to 97 LPW</li> <li>• Input Power: 2.6W - 5.3W</li> <li>• 15,000 hours rated lifetime</li> <li>• E12 candelabra base</li> </ul> | <ul style="list-style-type: none"> <li>• Decorative Glass Filament</li> <li>• Dimmable to 5% with select dimmers</li> <li>• Suitable for damp locations</li> <li>• Good for enclosed use (25W, 40W)</li> <li>• 5-year limited warranty</li> </ul> |
|---|---|

**APPLICATIONS:** Chandeliers, lamps and ceiling fan fixtures





PAR30S



PAR30L



PAR38

## PAR Pro Series

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Up to 50,000 hours rated lifetime</li> <li>• CCT: 2700K, 3000K, 4000K</li> <li>• Up to 92 LPW</li> <li>• Multiple beam angles available: 15°, 25°, 40°</li> </ul> | <ul style="list-style-type: none"> <li>• Dimmable to 5% with select dimmers</li> <li>• Suitable for Wet Locations (PAR38)</li> <li>• 5-year limited warranty</li> </ul> |
|--|---|

**APPLICATIONS:** Hospitality, restaurants, retail, grocery and residential

Lamps available:

**PAR20 50W equivalent**

**PAR30 Short 75W equivalent**

**PAR30 Long 75W equivalent**

**PAR38 120W equivalent**

**PAR38 150W equivalent**



MR16



GU10

## MR Lamps

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• 90 CRI</li> <li>• 25,000 hour rated lifetime</li> <li>• CCT: 2700K, 3000K</li> <li>• Multiple beam angles available: 15°, 25°, 35°</li> </ul> | <ul style="list-style-type: none"> <li>• GU5.3 12V, GU10 120V Input</li> <li>• Suitable for damp locations</li> <li>• Smooth dimming</li> <li>• 5-year limited warranty</li> </ul> |
|--|--|

**APPLICATIONS:** Hospitality, restaurants, retail, grocery and residential

Lamps available:

**MR16 50W equivalent**

**MR16 75W equivalent**



# LED TRACK LIGHTING



*LED Integrated Track Heads*

The Essentia® Series is well-designed and well-made to deliver exceptional track lighting.



## Essentia® Series Beveled Cylinder LED Track Head

Replaces standard halogen and incandescent track heads.

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• 80 CRI</li> <li>• CCT: 3000K, 3500K, 4000K</li> <li>• 1000 lumens</li> <li>• Input Power: 15W (75W equivalent)</li> <li>• Available in White, Black and Silver finishes</li> </ul> | <ul style="list-style-type: none"> <li>• 20° spot reflector with optional 40° diffuser included</li> <li>• Dimmable to 10%</li> <li>• Designed to last 35,000 hours</li> <li>• 3-year limited warranty</li> </ul> |
|---|---|

**APPLICATIONS:** Indoor residential, commercial, retail or industrial



## Essentia® Series Mini Flat Back LED Track Head

Replaces standard halogen and incandescent track heads.

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• 80 CRI</li> <li>• CCT: 2700K, 3000K, 3500K, 4000K</li> <li>• 500 lumens</li> <li>• Input Power: 8W</li> <li>• Available in White, Black and Silver finishes</li> </ul> | <ul style="list-style-type: none"> <li>• 36° beam angle</li> <li>• Utilizes Cree LEDs</li> <li>• Designed to last 30,000 hours</li> <li>• 3-year limited warranty</li> </ul> |
|---|--|

**APPLICATIONS:** Indoor commercial, residential, retail or industrial



12" Wall Washer



24" Wall Washer

Both shown with louver and track accessory

## Essentia® Series Wall Wash Track Head

Replaces standard halogen, incandescent and fluorescent track heads.

- 80 CRI
- CCT: 2700K, 3000K, 3500K, 4000K
- 3000 lumens: 12" Wall Wash
- 6000 lumens: 24" Wall Wash
- Up to 100 LPW
- Input Power: 30W (39W CMH equivalent); 60W (70W CMH equivalent)
- Dimmable to 10% using compatible TRIAC dimmers
- Designed to last 55,000 hours at 25°
- Five-year limited warranty

APPLICATIONS: Indoor commercial, retail and hospitality



## Essentia® Series Track Systems

Replaces standard one- and two-circuit track systems.

- One- and two-circuit track
- Extensive collection of connectors available
- Available in White, Black and Silver finishes
- 4, 6 and 8 feet
- Fixtures can be surface or pendant mounted
- UL and cUL listed
- One-year limited warranty

APPLICATIONS: Indoor commercial, retail and hospitality



## Essentia® Series Front Loading Gimbal Ring Track Head

Replaces standard halogen and incandescent gimbal ring track heads.

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Lamp compatibility: PAR38 maximum 150W</li> <li>• Die-cast aluminum housing and polyester powder coated finish</li> <li>• UL and cUL listed</li> <li>• Easy relamping from the front of the gimbal ring</li> </ul> | <ul style="list-style-type: none"> <li>• Line voltage - medium base</li> <li>• Recommended lamp: Cree PAR38</li> <li>• One-year limited warranty</li> </ul> |
|---|---|

**APPLICATIONS:** Indoor commercial, retail or industrial



## Essentia® Series Rear Loading Gimbal Ring Track Head

Replaces standard halogen and incandescent rear-loading gimbal ring track heads.

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Lamp compatibility: PAR20, PAR30, PAR38</li> <li>• Deep-drawn steel housing with U-shaped double yoke and polyester powder coated finish</li> <li>• Line voltage - medium base</li> </ul> | <ul style="list-style-type: none"> <li>• Fixture relamps from the back of the ring</li> <li>• UL and cUL listed</li> <li>• One-year limited warranty</li> </ul> |
|--|---|

**APPLICATIONS:** Indoor commercial, retail or industrial



## Essentia® Series Flat Back Line Voltage Track Head

Replaces standard line voltage track heads.

- Lamp compatibility: PAR20, BR30, PAR30L
- Deep-drawn steel round back housing and polyester powder coated finish
- Line voltage - medium base
- This classic shape has a U-shaped double yoke with a single-locking knob to secure the aiming angle
- UL and cUL listed
- One-year limited warranty

**APPLICATIONS:** Indoor commercial, retail or industrial





# TRACK ACCESSORIES











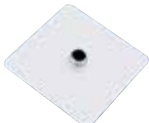




## Essentia® Series Track Accessories

- Accessories including adaptors, connectors, clips, collars, caps and covers
- For use with all Essentia® Series track products
- For either one-circuit or two-circuit applications
- Available in White, Black and Silver finishes
- One-year limited warranty

### *Current Limiters, Power Feeds and Circuit Breakers*

<p>Current Limiter In-Line Adjustable Power Feed</p> 	<p>Current Limiter End Power Feed</p> 
<p>Title 24 Compliant Current Limiter In-Line Adjustable Power Feed</p> 	<p>Title 24 Compliant Current Limiter End Power Feed</p> 
<p>Current Limiter Mini End Power Feed</p> 	<p>Title 24 Compliant Current Limiter Mini End Power Feed</p> 
<p>Circuit Breakers</p> 	<p>Cord &amp; Plug Feed</p> 
<p>Floating Feed</p> 	<p>Conduit Feed</p> 

*Current Limiters, Power Feeds and Circuit Breakers*

<p>Outlet Box Feed</p> 	<p>T-Bar End Feed</p> 
<p>End Feed</p> 	<p>Adjustable Connector/Feed</p> 
<p>"T" Connector Feed</p> 	<p>"X" Connector</p> 
<p>T-Bar Adjustable Connector/Feed</p> 	<p>Mini Straight Connector</p> 
<p>Outlet Box Cover</p> 	<p>Midpoint Mounting</p> 
<p>T-Bar Attachment Clips (Flush Tiles)</p> 	<p>T-Bar Attachment Clips (Drop Tiles)</p> 
<p>Pendant Adaptor</p> 	



# LED AREA



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

**NEW**

## Noctura Series



Replaces up to 1000W MH fixtures\*

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Minimum 70 CRI</li> <li>• CCT: 3000K*, 4000K, 5000K, 5700K*</li> <li>• Up to 35,600 lumens</li> <li>• Up to 155 LPW</li> <li>• Input Power: 75W – 230W</li> <li>• Versatile mounting: Direct Arm, Adjustable Arm and Trunnion</li> </ul> | <ul style="list-style-type: none"> <li>• Suitable for wet locations</li> <li>• IP66 rated</li> <li>• 1.5G Vibration certified</li> <li>• NEMA® 3-Pin Photocell Receptacle available</li> <li>• 5-year limited warranty</li> </ul> |
|---|---|

**APPLICATIONS:** Parking lots, security, site pathway and general site lighting

\*Limited availability, consult factory

## XSP Series



Replaces up to 400W MH fixtures.\*

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Minimum 70 CRI</li> <li>• CCT: 2700K, 3000K, 4000K, 5000K, 5700K</li> <li>• Up to 23,800 lumens</li> <li>• Up to 129 LPW</li> <li>• Input Power: 47W – 184W</li> <li>• NanoOptic® Precision Delivery Grid™ optic</li> </ul> | <ul style="list-style-type: none"> <li>• Designed with 0-10V dimming capabilities</li> <li>• cULus listed</li> <li>• Utility label and NEMA® 7-Pin Photocell Receptacle</li> <li>• 10-year limited warranty</li> </ul> |
|--|--|

**APPLICATIONS:** Parking lots, walkways and general area spaces





## OSQ High Output Series

Replaces multiple 1000W MH fixtures.\*

- Minimum 70 CRI (3000K, 4000K, 5700K); 90 CRI (5000K)
- CCT: 3000K, 4000K, 5000K, 5700K
- Up to 68,691 lumens
- Up to 125 LPW
- Input Power: 341W - 550W
- Programmable Multi-Level options
- IP66 rated
- 3G Vibration certified
- Colorfast DeltaGuard® finish
- Optional NEMA® 7-Pin Photocell Receptacle
- 10-year limited warranty

**APPLICATIONS:** Auto dealerships, parking lots, campuses, facade lighting, high-mast and general site lighting



## OSQ Series (Medium & Large)

Replaces up to 1000W MH fixtures.\*

- Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K)
- CCT: 3000K, 4000K, 5000K, 5700K
- Up to 27,103 lumens
- Up to 139 LPW
- Input Power: 53W – 215W
- NanoOptic® Precision Delivery Grid™ optic
- Versatile mounting
- Programmable Multi-Level options
- IP66 rated
- 3G Vibration certified
- Colorfast DeltaGuard® finish
- 10-year limited warranty
- Optional NEMA® 7-Pin Photocell Receptacle

**APPLICATIONS:** Parking lots, walkways, campuses, auto dealerships, general site lighting and internal roadways







## Cree Edge™ Series

Replaces multiple 1000W MH fixtures.\*

- Minimum 70 CRI (4000K & 5700K); 90 CRI (5000K)
- CCT: 4000K, 5000K (High Output), 5700K
- Up to 85,638 lumens
- Input Power: 25W – 831W
- Utilizes Cree TrueWhite® Technology
- UL wet listed
- Programmable Multi-Level options
- Modular, low-profile design
- 3G Vibration certified
- Colorfast DeltaGuard® finish
- Optional NEMA® 7-Pin Photocell Receptacle
- 10-year limited warranty

**APPLICATIONS:** Auto dealerships, large parking lots, campuses, facade lighting and general site lighting applications



## Cree Edge™ Series Round

Replaces up to 400W MH or HPS fixtures.\*

- Minimum 70 CRI
- CCT: 4000K, 5700K
- Up to 25,065 lumens
- Input Power: 46W – 202W
- UL wet listed
- Modern, low-profile design
- Colorfast DeltaGuard® finish
- 10-year limited warranty

**APPLICATIONS:** Campus pathway, parking facilities



## Cree Edge™ Series Pathway

Replaces up to 100W PSMH or 100W HPS fixtures.\*

- Minimum 70 CRI
- CCT: 4000K, 5700K
- Up to 2,716 lumens
- Input Power: 22W – 40W
- UL wet listed
- Two-Level options
- Multiple heights available
- IP66 rated
- Colorfast DeltaGuard® finish
- 10-year limited warranty

**APPLICATIONS:** Landscape, walkways and general site lighting

\*Replacements are general recommendations only. They can vary dependent upon application and optical performance requirements. Consult factory for specific product recommendation based on application.

# LED DECORATIVE STREET & ROADWAY



Maintain the day form, but modernize the incumbent technology with energy-efficient, low-maintenance LED solutions from Cree.



## DPT Series

Replaces up to 70W MH or HPS and up to 175W Mercury Vapor fixtures.\*

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Minimum 70 CRI</li> <li>• CCT: 3000K, 4000K</li> <li>• Up to 3,780 lumens</li> <li>• Input Power: 34W</li> <li>• Input Voltage: Integral 120-277V, 50/60Hz</li> </ul> | <ul style="list-style-type: none"> <li>• Utilizes a standalone UL 1598 compliant light engine</li> <li>• Made with Cree® LED technology</li> <li>• 10-year limited warranty</li> </ul> |
|--|--|

**APPLICATIONS:** Decorative street, pathway and general area lighting



DPT luminaire shown mounted to an enabling luminaire base



DPT Series with optional Backlight Control Shield accessory: DPT-BLS



## LED Post-Top Upgrade Kit

Replaces up to 175W MH or 150W HPS fixtures.\*

- Minimum 70 CRI
- CCT: 2700K, 4000K
- Up to 6,400 lumens
- Input Power: 65W – 97W
- 0-10V dimming option
- Field Adjustable Output for increased flexibility
- Reuses most of existing luminaire for little waste
- 10-year limited warranty

**APPLICATIONS:** Decorative street, pathway and general area lighting



**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



\*Replacements are general recommendations only. They can vary dependent upon application and optical performance requirements. Consult factory for specific product recommendation based on application.



# LED STREET & ROADWAY



From rural streets to major highways, we have economical LED street lighting solutions that reduce energy and maintenance costs without sacrificing illumination performance.



## RSW Series

Replaces up to 400W HPS fixtures.\*

- 80 CRI (Small & Medium); 70 CRI
- CCT: 2700K (Small & Medium), 3000K, 4000K, 5000K
- Up to 31,300 lumens
- Up to 128 LPW
- Input Power: 26W – 244W
- Utilizes WaveMax® Technology
- IP66 rated optic box and driver
- Lightweight and easy to install
- Utility label and NEMA® 7-Pin Photocell Receptacle
- 10-year limited warranty

**APPLICATIONS:** Residential, local/collector roadways, intersections, major roads and highways



## XSP Series

Replaces up to 400W HPS fixtures.\*

- Minimum 70 CRI
- CCT: 2700K, 3000K, 4000K, 5000K, 5700K
- Up to 23,800 lumens
- Up to 129 LPW
- Input Power: 47W – 184W
- NanoOptic® Precision Delivery Grid™ optic
- Designed with 0-10V dimming capabilities
- cULus listed
- Utility label and NEMA® 7-Pin Photocell Receptacle
- 10-year limited warranty

**APPLICATIONS:** Street lighting – from residential streets to major roadways



The word on the street is Cree. Communities are saving up to 70% on energy costs while enhancing driver and pedestrian safety.

**NEW**

# Traveyo Series



Replaces up to 400W HPS fixtures.\*

- Minimum 70 CRI
- CCT: 2700K, 3000K, 4000K, 5000K
- Up to 32,600 lumens
- Up to 155 LPW
- Input Power: 17W – 219W
- Lightweight and easy to install
- Utility label and NEMA® 7-Pin Photocell Receptacle
- 5-year limited warranty

**APPLICATIONS:** Residential, local/collector roadways, intersections, major roads and highways



# RUL Series

Replaces up to 100W HPS or 100W to 175W Mercury Vapor fixtures.\*

- Minimum 70 CRI
- CCT: 3000K, 4000K
- Up to 5,682 lumens
- Up to 114 LPW
- Input Power: 50W
- UL wet listed
- Significant energy and maintenance savings
- Easy installation
- Utility label and NEMA® 3-Pin Photocell Receptacle
- Utility kits available
- 10-year limited warranty



RUL luminaire shown with reflector/ refractor included in ES-K2 option

**APPLICATIONS:** Rural and residential street lighting, agricultural, general security and loading/receiving areas







## LEDway® High Output Series

Replaces up to 400W HPS fixtures.\*

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• Minimum 70 CRI</li> <li>• CCT: 3000K, 4000K, 5700K</li> <li>• Up to 28,462 lumens</li> <li>• Input Power: 136W or 274W</li> <li>• UL wet listed</li> </ul> | <ul style="list-style-type: none"> <li>• Field Adjustable Output option</li> <li>• Utility option</li> <li>• 10-year limited warranty</li> </ul> |
|---|--|

**APPLICATIONS:** Street lighting – from local/collector streets to major roadways



## LEDway® Series

Replaces up to 250W HPS fixtures.\*

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Minimum 70 CRI</li> <li>• CCT: 4000K, 5700K</li> <li>• Up to 24,717 lumens</li> <li>• Input Power: 35W – 274W</li> </ul> | <ul style="list-style-type: none"> <li>• UL wet listed</li> <li>• Modular design</li> <li>• Utility option</li> <li>• 10-year limited warranty</li> </ul> |
|---|---|

**APPLICATIONS:** Street lighting – from residential streets to major roadways



\*Replacements are general recommendations only. They can vary dependent upon application and optical performance requirements. Consult factory for specific product recommendation based on application.

# LED CANOPY & SOFFIT



Cree® recessed canopy and soffit luminaires efficiently light the way to exterior sites, surrounding areas and interior high-bay applications leading to an overall low total cost of ownership.



Flat Lens



Drop Lens

## CPY Series

Replaces up to 400W HID fixtures.\*

- Minimum 70 CRI
- CCT: 3000K, 4000K, 5700K
- Up to 20,080 lumens
- Input Power: 31W – 145W
- Direct, pendant or hook and cord mount
- Flat or drop lenses available
- Class I, Division II Hazardous Location rating
- Programmable Multi-Level option
- Easy and quick installation
- IP66 rated
- Upgrade Kit options
- 10-year limited warranty

**APPLICATIONS:** Convenience stores, drive-thru banks, restaurants, retail and grocery, petroleum stations, industrial low-bay and high-bay



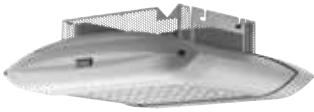
## 304 Series™

Replaces up to 320W HID fixtures.\*

- 70 CRI
- CCT: 4000K, 5700K
- Up to 13,697 lumens
- Input Power: 46W – 135W
- UL wet listed
- IP66 rated
- Driver centrally located
- Convenient electrical inspection access from below
- Modular, flush mount design
- 10-year limited warranty

**APPLICATIONS:** Convenience stores, drive-thru banks, petroleum stations, restaurants, retail and grocery





## Cree Edge™ Series

Replaces up to 700W HID fixtures.\*

- 70 CRI
- CCT: 4000K, 5700K
- Up to 31,193 lumens
- Input Power: 46W – 263W
- UL wet listed
- IP66 rated
- Programmable Multi-Level option
- Modular, low-profile design
- 10-year limited warranty

**APPLICATIONS:** Petroleum canopies, medium-high bay general lighting and soffits



\*Replacements are general recommendations only. They can vary dependent upon application and optical performance requirements. Consult factory for specific product recommendation based on application.



# LED PARKING STRUCTURE



First impressions start in the garage. Cree® parking structure luminaires make it a better one by providing clean, uniform, low-glare illumination with superior performance that enhances safety and visibility.



## IG Series

Replaces up to 175W HID fixtures.\*

- Minimum 80 CRI
- CCT: 3000K, 4000K, 5700K
- Up to 7,500 lumens
- Up to 118 LPW
- Input Power: 33W or 66W
- Utilizes WaveMax® Technology
- Designed with 0-10V dimming capabilities standard (non-PML)
- UL wet listed
- IP66 rated
- Precise low-glare optics
- Integrated Control options available
- ENCELIUM® Enabled option
- 10-year limited warranty

**Coming Soon:**  
Optional Synapse®  
SimplySNAP controls

APPLICATIONS: Parking structure



## VG Series

Replaces up to 175W HID fixtures.\*

- Minimum 70 CRI
- CCT: 3000K, 4000K, 5700K
- Up to 5,700 lumens
- Input Power: 33W or 54W
- UL wet listed
- IP66 rated
- Low glare, indirect view LEDs
- Programmable Multi-Level option
- 10-year limited warranty

APPLICATIONS: Parking structures





## 304 Series™

Replaces up to 320W HID fixtures.\*

- Minimum 70 CRI
- CCT: 4000K, 5700K
- Up to 13,712 lumens
- Input Power: 46W – 135W
- UL wet listed
- IP66 rated
- Programmable Multi-Level option
- Integrated occupancy sensor
- Low-profile design
- 10-year limited warranty

**APPLICATIONS:** Parking structures



\*Replacements are general recommendations only. They can vary dependent upon application and optical performance requirements. Consult factory for specific product recommendation based on application.





# LED FLOOD



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



**NEW**

## Noctura Series

Replaces up to 400W MH fixtures\*

- Minimum 70 CRI
- CCT: 3000K\*, 4000K, 5000K, 5700K\*
- Up to 28,400 lumens
- Up to 158 LPW
- Input Power: 12W – 186W
- IP66 rated
- Suitable for wet locations
- Versatile mounting: Small - Knuckle, Yoke Large - Adjustable Arm, Trunnion
- 1.5G Vibration certified
- NEMA® 3-Pin Photocell Receptacle available
- 5-year limited warranty

**APPLICATIONS:** Accent, sign or building facades

\*Limited availability, consult factory



OSQ Series

## OSQ Series

Replaces up to 1000W MH fixtures.\*

- Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K)
- CCT: 3000K, 4000K, 5000K, 5700K
- Up to 27,103 lumens
- Input Power: 53W – 215W
- Up to 139 LPW
- NanoOptic® Precision Delivery Grid™ optic
- Programmable Multi-Level options
- IP66 rated
- 3G Vibration certified
- Colorfast DeltaGuard® finish
- Optional NEMA® 7-Pin Photocell Receptacle
- 10-year limited warranty

**APPLICATIONS:** Parking lots, walkways, campuses, auto dealerships and building façades





OSQ Series Utility  
UA Mount

## OSQ Series Utility

Replaces up to 1000W MH fixtures.\*

- Minimum 70 CRI
- CCT: 3000K, 4000K
- Up to 26,583 lumens
- Input Power: 53W – 215W
- 45° Utility Arm (with Cord Side or End Exit); Direct Mounts available
- Utility label & NEMA® 7-Pin Photocell Receptacle included
- Suitable for wet locations
- 3G Vibration certified
- Colorfast DeltaGuard® finish
- 10-year limited warranty

**APPLICATIONS:** Parking lots, walkways, campuses, auto dealerships and building façades – designed for utilities



## 304 Series™

Replaces up to 250W HID fixtures.\*

- Minimum 70 CRI
- CCT: 4000K, 5700K
- Up to 13,712 lumens
- Input Power: 46W – 135W
- UL wet listed
- Programmable Multi-Level option
- Modular, low-profile design
- 10-year limited warranty

**APPLICATIONS:** Underpasses and sign lighting

\*Replacements are general recommendations only. They can vary dependent upon application and optical performance requirements. Consult factory for specific product recommendation based on application.



Cree Edge™ High Output Flood

## Cree Edge™ Series

Replaces multiple 1000W MH fixtures.\*

- Minimum 70 CRI (4000K & 5700K); 90 CRI (5000K)
- CCT: 4000K, 5000K (High Output), 5700K
- Up to 85,638 lumens
- Input Power: 25W – 831W
- UL wet listed
- Programmable Multi-Level options
- Modular, low-profile design
- IP66 rated (select versions)
- 3G Vibration certified
- Colorfast DeltaGuard® finish
- Optional NEMA® Photocell Receptacle
- 10-year limited warranty

**APPLICATIONS:** Parking lots, walkways, campuses, auto dealerships and building façades



Cree Edge™ Flood Square



# LED WALL MOUNT



Sleek and stylish security and perimeter lighting features a low-profile design that provides clean, uniform illumination for increased visibility and a secure environment.



**NEW**

## Noctura Series

Replaces up to 400W MH fixtures\*

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Minimum 70 CRI</li> <li>• CCT: 3000K*, 4000K, 5000K, 5700K*</li> <li>• Up to 22,600 lumens</li> <li>• Input Power: 12W – 148W</li> </ul> | <ul style="list-style-type: none"> <li>• Suitable for wet locations</li> <li>• IP66 rated</li> <li>• 5-year limited warranty</li> </ul> |
|---|---|

**APPLICATIONS:** Building facades, security, general outside lighting

\*Limited availability, consult factory



## XSP Series

Replaces up to 250W MH fixtures.\*

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Minimum 70 CRI (3000K, 4000K &amp; 5700K); 90 CRI (5000K)</li> <li>• CCT: 3000K, 4000K, 5000K, 5700K</li> <li>• Up to 8,475 lumens</li> <li>• Input Power: 19W – 78W</li> <li>• Suitable for wet locations</li> </ul> | <ul style="list-style-type: none"> <li>• IP66 rated</li> <li>• Multi-Level options</li> <li>• Utilizes Cree TrueWhite® Technology</li> <li>• 10-year limited warranty</li> </ul> |
|--|--|

**APPLICATIONS:** Security and perimeter outside lighting



## Cree Edge™ Series

Replaces up to 320W MH fixtures.\*

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• Minimum 70 CRI</li> <li>• CCT: 4000K, 5700K</li> <li>• Up to 15,094 lumens</li> <li>• Input Power: 25W – 134W</li> <li>• Suitable for wet locations</li> </ul> | <ul style="list-style-type: none"> <li>• Multi-Level options</li> <li>• Modular, low-profile design</li> <li>• IP66 rated</li> <li>• Colorfast DeltaGuard® finish</li> <li>• 10-year limited warranty</li> </ul> |
|---|--|

**APPLICATIONS:** Security and perimeter outside lighting



\*Replacements are general recommendations only. They can vary dependent upon application and optical performance requirements. Consult factory for specific product recommendation based on application.

# CREE LIGHTING TECHNOLOGY





## THE SMARTCAST INTELLIGENCE PLATFORM™

Wherever the lights, whatever the environment, the SmartCast Intelligence Platform™ enables advanced lighting control and limitless business applications with value far beyond lighting.

---

### Simply Intuitive, Advanced Lighting Control—Everywhere.

Featuring an intuitive, simple design and user experience for operation, commissioning and data collection, the SmartCast Intelligence Platform™ brings scalable, intelligent lighting networks to every space, delivering energy savings of 70% or more and a highly personalized lighting experience.

### An Open System That Supports SmartCast® and 3rd-Party Technologies.

This isn't another proprietary "black-box" system that locks you into costly vendor charges for upgrades or inter-network connectivity. BACnet integration and a ReST-based application programming interface (API) open the door to virtually unlimited applications through seamless connectivity with enterprise networks, building management software and the Internet of Things.

### A Secure Architecture.

Designed with security in mind from day one, the SmartCast Intelligence Platform™ employs industry-standard encryption to protect data streams, SmartCast® luminaires and other network endpoints. End users always retain control over access privileges, enabled applications and data streams shared with third parties. Software and security updates? They're seamless.

### Business Value Far Beyond Lighting.

Add SmartCast Advisor™, and the platform lets you turn data into dollars from day one with occupancy-based space optimization and situational awareness. For the future, the SmartCast Intelligence Platform™ is ready to pioneer data-driven applications that help businesses become more agile, productive and profitable.



**SMARTCAST® TECHNOLOGY**

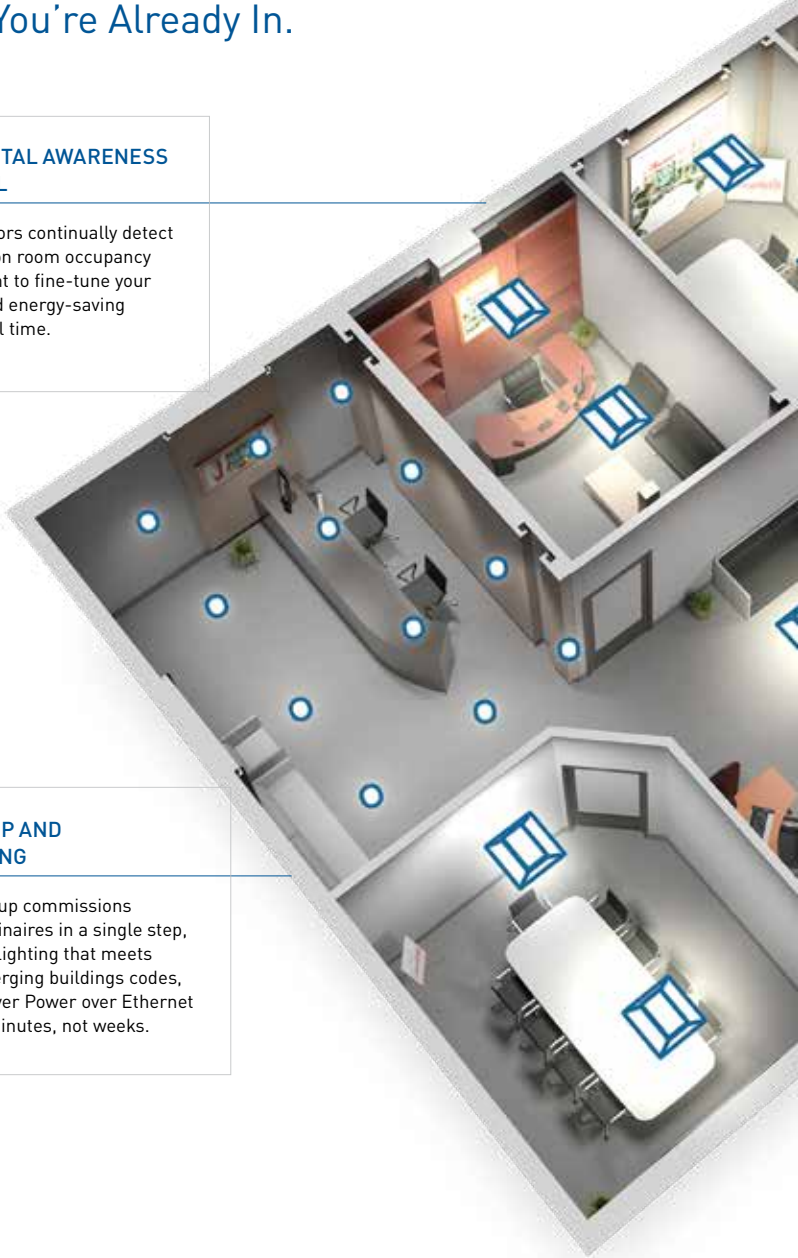
# So Easy, the Building of the Future Can Be the One You're Already In.

## ENVIRONMENTAL AWARENESS AND CONTROL

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

## SIMPLE SET-UP AND COMMISSIONING

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





### VALUE BEYOND LIGHTING

SmartCast® Technology creates secure lighting networks that connect seamlessly with other building management systems and with third-party IoT systems for even more value.

### A PLATFORM FOR INTELLIGENT LIGHTING

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



**SMARTCAST®** TECHNOLOGY

# Cree SmartCast® Technology Products

## CR SERIES ARCHITECTURAL TROFFERS

## ZR COMMERCIAL SPEC TROFFERS



Integrated Motion Sensor



CR24™

See page 11 for more information.



Integrated Motion Sensor



ZR24™

See page 11 for more information.

## FLEX SERIES SPEC TROFFER



FLX24™

See page 12 for more information.



SMARTCAST™ TECHNOLOGY

**LN SERIES SUSPENDED AMBIENT  
INDIRECT/DIRECT**



LN4™

See page 19 for more information.



**KR SERIES DOWNLIGHTS**



KR6™

See page 7 for more information.



**CS SERIES LINEAR LUMINAIRES**



CS14™

See page 20 for more information.



Configuration Tool



0-10V Interface



Plug Load Controller



Light Dimmer

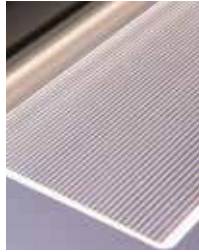


CCT Dimmer

Visit [creelighting-canada.com](http://creelighting-canada.com) for additional offerings including Lutron EcoSystem® Enabled controls.

### CREE WAVEMAX® TECHNOLOGY

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



LN Series



IG Series



RSW Series



Before: Metal Halide Lighting



After: Cree WaveMax® Technology LED Lighting

### COLORFAST DELTAGUARD® FINISH

Cree's exclusive Colorfast DeltaGuard® Finish protects our LED outdoor fixtures without compromise. Immersive conditioning across 18 stages delivers an e-coat epoxy primer with an ultra-durable powder topcoat, providing unmatched protection against corrosion, UV light, fading and weathering complete with a 10-year limited warranty.

### CREE TRUEWHITE® TECHNOLOGY

Cree TrueWhite® Technology provides exceptional colour quality to lighting applications. Featuring a broad spectral power distribution, Cree TrueWhite® Technology delivers 90+ CRI, high R9 values, and accurate and consistent colour. The result is high performing, beautiful white light that can dramatically improve the visual appearance of both interior and exterior spaces — all while offering significant energy savings compared to traditional technologies.



Before: Fluorescent Lighting



After: Cree TrueWhite® LED Lighting

### NANOOPTIC® TECHNOLOGY

With patented NanoOptic® Technology available in multiple distributions, Cree® outdoor LED fixtures provide precise optical control for exceptional application performance and energy savings. The NanoOptic® refractor system offers superior light control with more lumens delivered in the target area, improved uniformity ratios and controlled high-angle brightness.



High Pressure Sodium Lighting

Cree Edge Series™ Lighting



Visit [creelighting-canada.com](http://creelighting-canada.com) or contact a Cree Lighting representative to learn more.

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