



CR Series LED Downlights

# Easy to Install with Unprecedented Payback

THE QUALITY YOU DEMAND WITH THE SAVINGS YOU DESERVE.



Inspired by Your Needs

# Solutions that Deliver

The Cree® CR Series LED downlights make it easy to upgrade existing lighting to more energy efficient, longer lasting, high quality LED technology. Designed for commercial and residential retrofits, they install quickly and easily into 6", some 5" or 4" recessed housings. Available in multiple lumen packages and various color temperatures the CR Series is an ideal retrofit solution.



## Quick and Simple Installation

Quickly and simply installs into new or existing recessed housings from Cree and other manufacturers. An entire kitchen can be converted to energy-efficient LED lighting in minutes.

For installation instructions and to view an installation video visit:

[www.cree.com/lighting/CRSeriesDownlights](http://www.cree.com/lighting/CRSeriesDownlights)

## High Quality LED Light

With color temperatures including 2700K, 3000K, 3500K and 4000K and High CRI, the CR Series light quality is equal to incandescent and halogen, while using up to 87% less energy.

## Efficient and Effective

The CR Series LED Downlights are commercial and residential ENERGY STAR® qualified, opening up opportunities for customers to realize utility rebates and incentives.



Designed with up to 50,000 hour expected useful life, the CR Series LED downlights could last for decades with typical use\*.

CR Series LED lighting is twice as efficient as incumbent CFLs and contain no toxic mercury.

## Instant-on and Fully Dimmable

Stop waiting for CFLs to “warm up”. The CR Series LED downlights turn on instantly, to full brightness.

Continuous dimming down to 5% with most, standard incandescent dimmers\*\*, makes the CR Series LED Downlights ideal for many applications.

**Footnotes:**

\*Typical residential use is 3 hours per day, 50,000 hours is equivalent to 45.7 years at 3 hours per day. Typical incandescent life is 2,000 hours.

\*\*Dimmable to 5% of initial light output. Reference [www.cree.com/CRdimming](http://www.cree.com/CRdimming) for a list of recommended dimmers



CR4™



CR6™



CR4™ FD



CR6™ FD

| Cree TrueWhite® Technology           |   | Cree Full Definition Color Quality |                                   |
|--------------------------------------|---|------------------------------------|-----------------------------------|
| <b>CR4-575L</b>                      | <b>CR6-625L<br/>CR6-800L</b>                    | <b>CR4-575L-FD</b>                 | <b>CR6-625L-FD</b>                |
| 575 lumens, 9.5W, 120V               | 625 lumens, 9.5W, 120V<br>800 lumens, 12W, 120V | 575 lumens, 9.5W, 120V             | 625 lumens, 12.5W, 120V           |
| 90 CRI at 2700K, 3000K, 3500K, 4000K | 90 CRI at 2700K, 3000K, 3500K, 4000K            | 83 CRI at 2700K                    | 83 CRI at 2700K                   |
| Dimmable to 5%                       | Dimmable to 5%                                  | Dimmable to 5%                     | Dimmable to 5%                    |
| 50,000 hours                         | 50,000 hours                                    | 25,000 hours                       | 35,000 hours                      |
| Fits most 4" housings                | Fits most 6" and some 5" housings               | Fits most 4" housings              | Fits most 6" and some 5" housings |
| .9 Power Factor                      | .9 Power Factor                                 | .9 Power Factor                    | .9 Power Factor                   |
| Commercial Energy Star®              | Commercial Energy Star®                         | Commercial Energy Star®            | Commercial Energy Star®           |
| <b>WARRANTY: 5 years</b>             | <b>WARRANTY: 5 years</b>                        | <b>WARRANTY: 5 years</b>           | <b>WARRANTY: 5 years</b>          |

## Cree® CR Series LED Downlights

# Lighting Without Compromise

Choose award-winning Cree color quality, which delivers bright, beautiful light while providing significant energy savings compared to incumbent products.

A true no-compromise solution that provides:

- **EXCEPTIONAL LIGHT QUALITY**

Delivers superior color accuracy with beautiful light characteristics and consistent color temperature.

- **EQUAL LIGHT OUTPUT USING LESS ENERGY**

Produces light output equal to incumbent products while saving consumers up to 85% in energy costs.

- **LOW MAINTENANCE**

Designed to last up to 50,000 hours while maintaining color consistency over the life of the product.

- **UNPRECEDENTED PAYBACK**

With significantly lower energy costs and virtually no maintenance, payback is less than one year in many applications\*



### Cree® TrueWhite® Technology

The highest level of color quality in the portfolio. Highly efficient light designed to enhance the details of a physical space or product where first impressions set the tone.

| Color Quality (CRI) | Red Content (R9) | Lifetime Color Consistency | Visual Acuity |
|---------------------|------------------|----------------------------|---------------|
| <b>Best</b>         | <b>Best</b>      | <b>Best</b>                | <b>Best</b>   |



## FD

### Cree® Full Definition

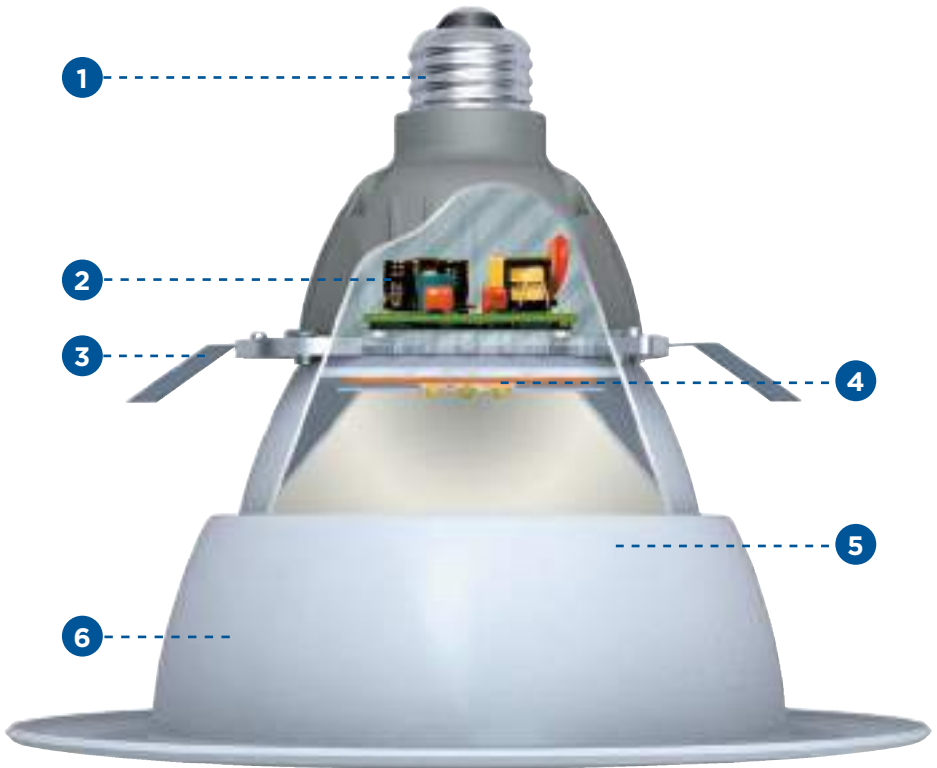
Color quality that meets the needs of many spaces and is superior to most incumbent lighting technologies.

| Color Quality (CRI) | Red Content (R9) | Lifetime Color Consistency | Visual Acuity |
|---------------------|------------------|----------------------------|---------------|
| <b>Good</b>         | <b>Good</b>      | <b>Good</b>                | <b>Good</b>   |



## Anatomy of CR Series LED Downlights

# The Cree Difference



- 1. LAMP BASE:** Available as Edison (E26) or GU24
- 2. INTEGRATED POWER SUPPLY AND DRIVER ELECTRONICS**
- 3. FLIP CLIPS:** Used for installation into 6-inch housings
- 4. CREE LED ARRAY**
  - Cree TrueWhite Technology\*
  - Cree® Full Definition Color Quality Technology\*\*
- 5. ADVANCED OPTICAL DIFFUSING LENS**
- 6. LIGHT MIXING CHAMBER**

\* CR4™, CR6™

\*\* CR4™ FD, CR6™

## Accessory Information

### SNAP-IN TRIMS (Only available for CR6™)

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



**CT6A**  
Silver  
Diffuse Finish  
Reflector



**CT6AW**  
Wheat  
Diffuse Finish  
Reflector



**CT6AB**  
Black  
Diffuse Finish  
Reflector



**CT6BB**  
Flat Black  
Diffuse Finish  
Reflector



**CT6 Installed**

### 6" HOUSINGS (Only available for CR6™, CR6™ FD and LR6™)

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 (Only available for CR6™, CR6™ FD and LR6™)

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



**SC6**  
Ceiling Mounts



**SC6-WM**  
Wall Mounts



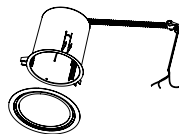
**SC6-CM**  
Cord Mounts

### 6" COMMERCIAL RETROFIT KITS (Only available for CR6™, CR6™ FD and LR6™)

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

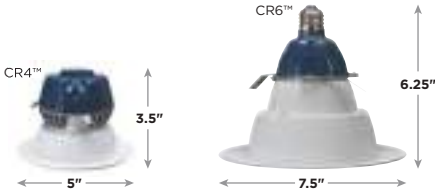


**C6**  
Commercial 120V, Edison Base, "Pan" Adaptor Kit



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

## Ordering Information



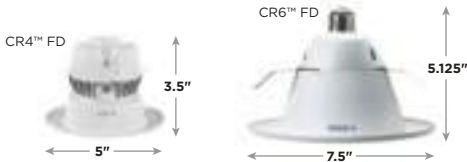
### REPLACES:

- 575L** = 50W BR Incandescent 15W CFL
- 625L** = 65W BR Incandescent 18W CFL
- 800L** = 90W BR Incandescent 26W CFL

### Cree TrueWhite®

Example: **CR6-575L-27K-120V-E26**

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



### REPLACES:

- 575L** = 50W BR Incandescent 15W CFL
- 625L** = 65W BR Incandescent 18W CFL

### Full Definition

Example: **CR6-575L-27K-120V-E26-FD**

| SERIES | SIZE                     | LUMENS                                   | CCT         | VOLTAGE/<br>BASE | BASE TYPE   | LED TECHNOLOGY       |
|--------|--------------------------|--|-------------|------------------|---|----------------------|
| CR     | 4 = 4 inch<br>6 = 6 inch | 575L = 575 Lumens<br>625L = 625 Lumens** | 27K - 2700K | 120V - 120 Volts | E26 - Edison Base<br>GU24 - GU24 Base<br>(Title 24 Compliant) | FD - Full Definition |

\*Only available for 4 inch models

\*\* Only available for 6 inch models

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

## Extended Product Offering



### LR Series

- Equivalent up to Twin 26W CFL
- 6" aperture with multiple reflector depths
- Efficacy up to 90 LPW
- Up to 1800 lumens at 20W
- Multiple CCTs at 90 CRI
- Dimmable to 5% (120V)
- Available in 120V only



### LR4™

- Equivalent to 50W BR20 Incandescent
- 4" aperture with spun aluminum reflectors
- Efficacy up to 51 LPW
- Up to 540 lumens at 10.5W
- Multiple CCTs at 90 CRI
- Dimmable to 20%
- Available in 120V only



### LE6™

- Equivalent up to 32W Fluorescent
- 6" aperture with adjustable lens
- Efficacy up to 42 LPW
- Up to 500 lumens at 12W
- Multiple CCTs at 90 CRI
- Dimmable to 5% (120V)
- Available in 120V only