

CR4™

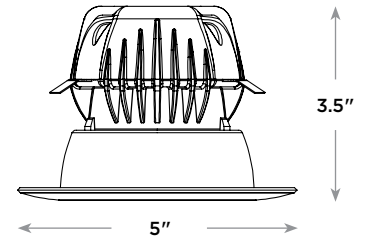
4" LED Downlight

Product Description

The CR4™ LED downlight delivers 575 lumens of exceptional 90+ CRI light while achieving over 60 lumens per watt. This breakthrough performance is achieved by combining the high efficacy and high-quality light of Cree TrueWhite® Technology. The CR4 is available in a warm color temperature and easily installs into most standard four-inch recessed IC or non-IC housings, making the CR4 perfect for use in both residential and light commercial, new construction or retrofit, applications.

Performance Summary

- Utilizes Cree TrueWhite® Technology
- Delivered Light Output:** 575 lumens
- Input Power:** 9.5 watts
- CRI:** 90
- CCT:** 2700K, 3000K, 3500K, 4000K
- Limited Warranty†:** 5 years
- Lifetime:** Designed to last 50,000 hours
- Dimming:** Dimmable to 5%*



Ordering Information

Example: CR4-575L-27K-12-E26

QUICKSHIP™

For full list of Cree Quick Ship products visit www.cree.com/lighting/quickship

CR4		575L	10V	12		
Series	Size	Source Lumen Output	CCT	Voltage	Base Type	Options
CR4	4 4 inch	575L 575 Lumens	27K 2700K 30K 3000K 35K 3500K 40K 4000K	12 120 Volts	E26 Edison Base GU24 GU24 Base (Title 24 Compliant)	D Specular Reflector

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

* Reference www.cree.com/lighting for recommended dimmers



Rev. Date 05/16/2014



Product Specifications

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics, and lifelong color consistency, all while maintaining high luminous efficacy - a true no compromise solution.

CONSTRUCTION & MATERIALS

- Durable upper housing protects LEDs, driver and power supply. Adjustable flip clips resist heat while providing retention for flush ceiling fit
- Thermal management system uses the lower reflector to conduct heat away from LEDs and transfer it to the plenum space for optimal performance. LED junction temperatures stay below specified maximum even when installed in attic insulation
- Suitable for insulated and non-insulated ceilings
- One-piece aluminum lower reflector redirects light while also conducting heat away from LEDs. It creates a comfortable visual transition from the lens to the ceiling plane

OPTICAL SYSTEM

- Unique combination of reflective and refractive optical components achieves a uniform, comfortable appearance while eliminating pixelation and color fringing. This ensures smooth light patterns are projected with no hot spots and minimal striations
- Components work together to optimize distribution, balancing the delivery of high illuminance levels on horizontal surfaces with an ideal amount of light on walls and vertical surfaces. This increases the perception of spaciousness
- Diffusing lens shields direct view of LEDs

ELECTRICAL SYSTEM

- Integral, high-efficiency driver and power supply
- **Power Factor:** > 0.9
- **Input Voltage:** 120V, 60Hz
- **Dimming:** Dimmable to 5% with most incandescent dimmers*

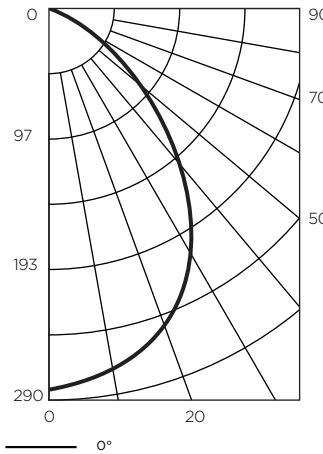
REGULATORY & VOLUNTARY QUALIFICATIONS

- ENERGY STAR® qualified
- cULus Listed
- Exceeds California Title-24 high efficacy luminaire requirements
- Suitable for wet locations

* Reference www.cree.com/lighting for recommended dimmers

Photometry

CR4-575 BASED UPON CREE TEST REPORT #: 2,066



Intensity (Candlepower) Summary

Angle	Mean CP
0°	276
5°	274
15°	260
25°	237
35°	210
45°	168
55°	104
65°	31
75°	1
85°	0
90°	0

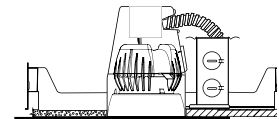
Zonal Lumen Summary

Zone	Lumens	% Fix
0-30	209.4	36.40%
0-40	330.2	57.40%
0-60	506.9	88.20%
0-90	575	100%

Reference www.cree.com/lighting for detailed photometric data

Installation

- Designed to easily install in standard 4" downlight housings.*
- Quick install system utilizes a unique retention feature. Simply attach socket to CR4. Move light to ready position and slide into housing.



NOTE: Reference www.cree.com/lighting for detailed installation instructions.

*Reference www.cree.com/lighting for a list of compatible housings.

Application Reference

Open Space					
Spacing	Lumens	Wattage	LPW	w/ft²	Average FC
4 x 4	575	9.5	61	0.52	38
6 x 6				0.25	18
8 x 8				0.14	10
10 x 10				0.08	6

10' Ceiling, 80/50/20 Reflectances, 2.5 workplane.
LLF: 1.0 Initial. Open Space: 50' x 40' x 10'

Corridor					
Spacing	Lumens	Wattage	LPW	w/ft²	Average FC
4' on Center	575	9.5	61	0.33	15
6' on Center				0.23	10
8' on Center				0.17	8
10' on Center				0.13	6

10' Ceiling, 80/50/20 Reflectances, Light levels on the ground.
LLF: 1.0 Initial. Corridor: 6' Wide x 100' Long

