

Cree® CR Series

Architectural LED Troffer



THE INTERSECTION OF PERFORMANCE, EFFICIENCY AND AFFORDABILITY

Better Light with Exceptional Performance

The Cree CR Series LED troffer with Cree TrueWhite® Technology delivers up to 130 lumens per watt of stunning 90 CRI light with unparalleled lifetime color consistency to enhance the aesthetics of any space.

Intelligence By Design

The CR Series LED troffer with SmartCast® Technology, Cree's intelligent light solution, provides a combination of extreme energy productivity and code compliance that's so intuitive and simple, it just works. Luminaires combine best-in-class light with onboard sensors and intelligence to deliver a better light experience.

Unrivalled Design Versatility

CR Series LED troffers with SmartCast® Technology are the first Cree luminaires to offer field-adjustable color temperatures that make "smart" lighting design a cinch. Projects are simplified by allowing one troffer to be used in any space regardless of color temperature preference.

Where Form Follows Function

The unique thermal management system dramatically improves performance and enables the CR Series to set the industry standard in efficacy, lifetime, and delivered light quality and distribution, all backed by the Cree 10-year limited warranty.*

CREE ™

CR SERIES ARCHITECTURAL LED TROFFER

The CR Series LED troffer portfolio offers a unique design with 2x2, 1x4 and 2x4 options that easily accommodate recessed, surface mount or suspended installations for both new construction and renovation. The CR Series troffer delivers 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. Along with a variety of dimming options that increase energy savings and help meet local energy codes, the CR Series is available with Cree SmartCast® Technology, the most intuitive and easiest to install intelligent light solution on the market, delivering up to 70% energy savings at up to half the cost of other solutions. And now, CR Series troffers with Cree SmartCast® Technology offer field-adjustable color temperatures that enable better control over spaces while simplifying project specification, ordering and installation – all while still achieving remarkable color quality and consistency.

PERFORMANCE SUMMARY

Cree TrueWhite® Technology (90 CRI) or available in 80+ CRI
Efficacy: Up to 130 LPW
Delivered Light Output: 2,000 to 5,000 lumens
Input Power: 22 to 50 watts
CRI: 80 - 90
CCT: 3000K, 3500K, 4000K, 5000K or adjustable CCT
Input Voltage: 120-277 VAC or 347 VAC
Lifetime: Designed to last from 50,000 hours (HD), 75,000 hours (Standard TW), and 100,000 hours (HE TW)
Limited Warranty: 10 years
Mounting: Recessed

CONTROLS

- Cree SmartCast® Technology with field-adjustable color temperatures
- 0-10V dimming control to 5% (standard all types), or optional Cree SmartCast® Technology on 90 CRI and 50L type*
- Step level to 50%*
- Lutron EcoSystem® Enabled to 5%*

CONSTRUCTION & MATERIALS

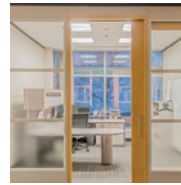
- Durable 20-gauge steel housing with standard troffer access plate provides strength and uniformity.
- Field-replaceable light engine integrates LEDs, driver, power supply, thermal management and optical mixing components.
- With a beautiful design and soft indirect light distribution, the CR Series creates a comfortable visual transition from lens to ceiling.
- Provided t-bar clips and holes for mounting support wires enable recessed or suspended installation.
- Individual fixtures may be mounted end to end for a continuous row of illumination.

Product specifications subject to change at any time.

Visit lighting.cree.com/warranty for warranty terms.

*Visit lighting.cree.com for recommended dimming control options.

APPLICATIONS



Corporate Campus

Cree fixtures create appealing visual environments to help impress visitors and enable employees. Clean lines and balanced light distribution promote greater employee productivity while attractive pricing and impressive energy and maintenance savings color the bottom line green.



Education

Cree LED lighting provides classrooms with exceptional clarity and consistent full-spectrum lighting without the flicker and glare to help minimize fatigue, encourage alertness and help students learn with ease.



Healthcare

Doctors and nurses must have clear, bright light with superior color rendering for accurate patient assessment. Cree LED lighting promotes better visibility in diagnostic and clinical areas, enabling staff to perform more accurate evaluations and provide more efficient treatment.



CR22™ LED troffer with Cree SmartCast® Technology

CR14™ LED troffer with Cree SmartCast® Technology

CR24™ LED troffer with Cree SmartCast® Technology

Visit lighting.cree.com or contact a Cree lighting representative to learn more.

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