



FLAT-OUT BETTER: ULTRA-THIN, EDGE-LIT DESIGN

IMPRESSIVE LIGHT EXPERIENCE

The Essentia® by Cree LED Flat Panel delivers a fully luminous panel of soft, visually comfortable light. The optically efficient edge-lit design provides a better lighting experience with perfectly superior 90 CRI light quality, improving spaces previously lit with outdated fluorescent luminaires.

EXCEPTIONAL PERFORMANCE

Offering outstanding 100 LPW efficiency with excellent return on investment that delivers a payback time of less than 3 years when compared against T8 fluorescent luminaires, the Essentia® by Cree LED Flat Panel is a perfect upgrade option against short-lived, flickering fluorescent solutions.

APPLICATION FLEXIBILITY

At just 2.8" thin, the Essentia® by Cree LED Flat Panel design allows for installation into any plenum regardless of space and offers suspended mounting to create a more stylish environment.

REFINED LOW-GLARE OPTICS

The low-glare optics of the Essentia® by Cree LED Flat Panel are designed to meet low-glare requirements and improve the customer experience by reducing lighting fatigue, providing an impressive lighting experience perfect for any commercial office, healthcare or school application.

ESSENTIA® BY CREE LED FLAT PANEL

The Essentia® by Cree Flat Panel product family provides lighting customers with LED flat panel solutions for use in recessed and suspended commercial applications — all backed by the power of Cree. The fully luminous flat panel design transforms any space into a modern, visually comfortable environment with soft, balanced light. The remarkably thin 2.8" depth of the Essentia® by Cree Flat Panel easily accommodates narrow plenums, or can be suspended for a more stylish look. The Essentia® by Cree LED Flat Panel is available in 2'x4', 2'x2' and 1'x4' configurations and delivers up to 5000 lumens of highly efficacious 100 lumens per watt light with superior 90 CRI color quality. The enhanced optics enable the Flat Panel to meet low glare requirements, delivering an improved customer experience by reducing lighting fatigue.

PERFORMANCE SUMMARY

Efficacy: Up to 100 LPW

Delivered Light Output: Up to 5000 lumens

Dimensions: 2'x4', 2'x2', and 1'x4'

Input Power: 34 watts to 50 watts

CRI: 90+

CCT: 3500K, 4000K, 5000K

Input Voltage: 120-277 VAC, 50/60Hz

Lifetime: 50,000 hours L_{70} @ 25°C

Limited Warranty: 5 years*

Controls: 0-10V continuous dimming

Regulatory: DLC, cULus and RoHS compliant

Mounting: Recessed or suspended

Ingress Protection: IP40

Operating Temperature: -15°C to 40°C

* See lighting.cree.com/warranty for warranty terms.

CONSTRUCTION & MATERIALS

- Solid aluminum frame provides strength and uniformity
- Ultra-thin 2.8" fixture height and design effectively target a broad range of plenum spaces and allow for easy installations
- Luminaire is finished with a soft matte white paint
- Provided t-bar clips and tabs for mounting support wires enable recessed or suspended installation
- Frosted polycarbonate lens for non-pixelated appearance



2'x4' Flat Panel



2'x2' Flat Panel



1'x4' Flat Panel

APPLICATIONS



Corporate Campus

Essentia® by Cree luminaires 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

Essentia® by 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 read and take notes with ease.



Healthcare

Soft, balanced lighting fosters a restful treatment and recovery environment. Efficient, dimmable and available in a variety of colors, Essentia® by Cree LED lighting produces a tranquil environment with quiet ceilings that provide a calm, soothing atmosphere for both patients and families.



Retail/Petroleum

Essentia® by Cree LED lighting helps attract customers inside and out. The exceptional color quality plays a critical role in shaping consumer moods and influencing buying decisions by creating an appealing sales floor and ensuring your merchandise is always rich and colorful.

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

info@cree.com | 800.236.6800

© 2016 Cree, Inc. All rights reserved. For informational purposes only. Not a warranty or specification. See www.cree.com/lighting for warranty and specifications. Cree® and Essentia® are registered trademarks of Cree, Inc. CAT/SSHT-C061 Rev. Date: 05/17/2016



ESSENTIA®
by **CREE**