



LED Lighting Catalog

Fall 2013



CR Series Light Engines



Convert existing fluorescent troffers to efficient LED technology while delivering the same high-quality light and energy savings as the CR Series troffers.

The CR Series Light Engine delivers up to 5000 lumens of exceptional 90+ CRI light while achieving 90 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. The CR-LE is available in neutral or cool color temperatures and has step, 0-10V or Lutron EcoSystem® Enabled dimming options. Its compact, lightweight design easily accommodates recessed, surface mount or suspended installations, making the CR-LE perfect for use in commercial new construction or retrofit applications.

BENEFITS

- Significant energy savings
- Years of near-maintenance free service
- Superior color accuracy and consistency
- Easily designed into any space; a variety of lumens, color temperatures and control options

FEATURES

- Utilizes Cree TrueWhite® Technology or High Definition Color
- Efficacy up to 130 LPW
- Active color management
- Room-side heat sink
- Standard 10-year limited warranty
- 50,000-hour rated (90 LPW - High Definition Color)
- 75,000-hour rated (100 LPW - Cree TrueWhite® Technology)
- 100,000-hour rated (Up to 130 LPW Cree TrueWhite® Technology High Efficacy)

APPLICATIONS

- Airport, corporate campus, healthcare, municipal, restaurant & hospitality, retail & grocery, school & university, government

CR-LE Long (1'x4')



CR-LE Short (1'x2')



Note: Use of Expanded Junction Box will expand the depth to 6.67" and Emergency Backup will expand the depth to 6.30".

CR Series Light Engines

Ordering Information

| PRODUCT | LUMEN OUTPUT | COLOR TEMP. | VOLTAGE | CONTROL | OPTIONS | |
|---------|---------------------|--|--|--------------------------|--|--|
| CR-LE | 20L (1x2) | 22W 2000 Lumens - 90 LPW | 30K 3000K 35K 3500K 40K 4000K 50K 5000K | Blank 120-277V | S Step Dimming to 50% 10V 0-10V Dimming to 5% LES Lutron EcoSystem® Enabled to 5% | HD High Definition Color - CRI 80+ (90 LPW) 32L 35W 3200 Lumens - 90 LPW 40L 44W 4000 Lumens - 90 LPW EB14 Emergency Backup - 1400 Lumens EB14SMK Emergency Backup with Surface Mount Kit - 1400 Lumens |
| | 32L (1x2) | 32W 3200 Lumens - 100 LPW | | | | |
| | 22L (1x4) | 22W 2200 Lumens - 100 LPW | | | | |
| | 31L (1x4) | 34W 3100 Lumens - 90 LPW | | | | |
| | 40L (1x4) | 40W 4000 Lumens - 100 LPW | | | | |
| | 40L HE (1x4) | 30.5W 4000 Lumens - 130 LPW (30K) 32W 4000 Lumens - 125 LPW (35K) 33W 4000 Lumens - 120 LPW (40K) 34.5W 4000 Lumens - 115 LPW (50K) | | | | |
| | 50L (1x4) | 50W 5000 Lumens - 100 LPW | | | | |

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

Accessory Information

SURFACE MOUNT KITS

For installing CR Series troffers onto hard ceilings, where above-ceiling installation isn't possible. Surface Mount Kits come in a standard white color.

SMK-LE-L¹

Surface Mount Kit for CR Series 1'x4' Light Engines 2200, 4000 and 5000 Lumens

SMK-LE-S¹

Surface Mount Kit for CR Series 1'x2' Light Engines 2000 and 3200 Lumens

SMK-LE-EC

End Caps (2 pack, required for all SMK installations, must be ordered separately)

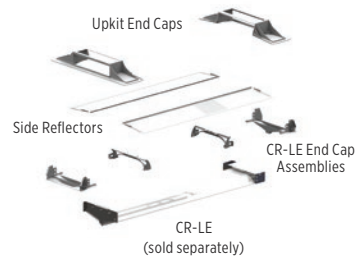
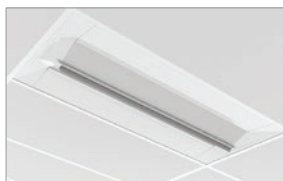
SMK-LE-JP

Joiner Plate (optional for continuous row installation)

1. Included in EB14SMK option.

TROFFER UPGRADE KIT

The CR24™ Upkit is an accessory that converts any Cree CR series light engine to a complete upgrade kit for existing 2'x4' fluorescent luminaires. It installs in most fluorescent troffers and parabolic troffers that have a minimum depth of 3 1/8". Test install prior to ordering project quantities. Not compatible with air handling troffers or EB14, EB14SMK options.

CR24-UPKIT-1PK - 1 Pack**CR24-UPKIT-4PK - 4 Pack**

347V CONVERSION KIT

The 347V Conversion Kit allows a CR Series troffer or CR Series light engine to be converted to work with 347V installations.

CR-347V (347 Volt)**CR-347V-SD** (Step Dimming to 50%)

Note: Not compatible with SMK or Upkit

OTHER ACCESSORIES

PW-18/4-06-9T/SS-CR
(Power Whip)**ACS-18/4-72-PD8-JB**
(Adjustable Cable)**ACS-72-PD8-JB**
(Adjustable Cable)

You May Also Be Interested In:



CR SERIES TROFFERS p.40
High-Efficiency, Affordable Troffers



CS SERIES LINEAR p.58
Commercial Linear Solutions



KR SERIES DOWNLIGHTS p.24
Effective, Efficient LED Downlights