

LR24-HE

2'x2' Architectural LED Troffer

Product Description

The LR24-HE high efficacy architectural LED troffer delivers 3200 lumens of exceptional 90+ CRI light while achieving 100 lumens per watt. This breakthrough performance is achieved by combining the high efficacy and high-quality light of Cree TrueWhite® Technology. The LR24-HE is available in a neutral color temperature and offers 0-10V DC Control dimming standard. Its compact, lightweight design easily accommodates recessed installations, making the LR24-HE perfect for use in commercial new construction or retrofit applications.

Performance Summary

Utilizes Cree TrueWhite® Technology

Active Color Management

Efficacy: 100 LPW

Delivered Light Output: 3200 lumens

Input Power: 32 watts (120V), 34 watts (277V)

CRI: 90

CCT: 3500K

Input Voltage: 120-277 VAC

Warranty: 5 years[†]

Lifetime: Designed to last 50,000 hours

Dimming: Dimmable to 5% with 0-10V DC control

Mounting: Recessed

Dimensions: L 24" x W 24" x H 5.8"

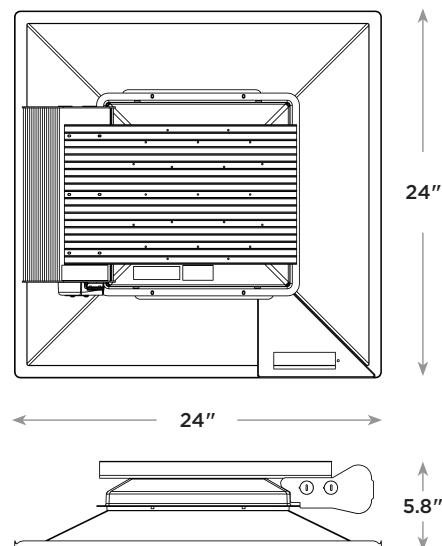
Weight: max 15lbs.

Ordering Information

Example: LR24-32SKA35-HE US

Product
LR24-32SKA35-HE US 3200 Lumens, 32W, 120V 3200 Lumens, 34W, 277V

LR24-HE



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Product Specifications

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology mixes the light from the highest performing red and unsaturated yellow LEDs. This patented approach 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

- Field replaceable light engine integrates LEDs, driver, power supply, thermal management, and optical mixing components.
- Thermal management system uses integral heat sink to conduct heat away from LEDs and transfer it to the plenum space for optimal performance. LED junction temperatures stay below specified maximum when installed in typical commercial installations.
- Cold-rolled steel lower reflector finished with a textured high reflectance white polyester powder coating creates a comfortable visual transition from the lens to the ceiling plane.

NOTE: Reference www.cree.com/lighting for detailed instructions on field replacement of the light engine.

OPTICAL SYSTEM

- Unique combination of reflective and refractive optical components achieves a uniform, comfortable appearance while eliminating pixelation and color fringing.
- 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 while lower reflector balances brightness of lens with the ceiling to create a low-glare high angle appearance.

ELECTRICAL SYSTEM

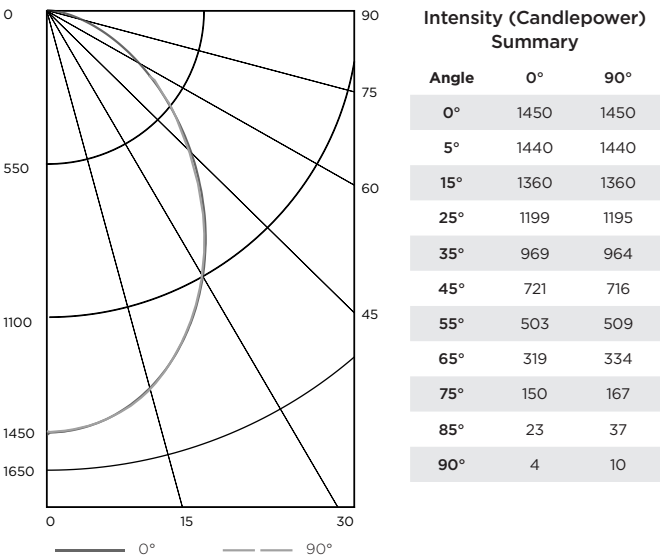
- Integral, high-efficiency driver and power supply.
- **Power Factor** = 0.9 nominal
- **Input Voltage:** 120V-277V, 50/60Hz
- **Dimming:** Dimmable to 5% with 0 to 10V DC control protocol. Reference www.cree.com/lighting for recommended dimming controls.

REGULATORY & VOLUNTARY QUALIFICATIONS

- cETLus Listed
- DLC qualified

Photometry

LR24-32HE35 BASED ON ONSPEX #:30015094



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fix
0-30	1073	33.5%	33.5%
0-40	1680	52.5%	52.5%
0-60	2690	84.1%	84.1%
0-90	3200	100%	100%

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

Application Reference

Open Space					
Spacing	Lumens	Wattage	LPW	w/ft²	Average fc
8 x 8	3200L	32	100	0.48	48
8 x 10				0.38	38
10 x 10				0.32	32
10 x 12				0.26	25

9' ceiling: 80/50/20 reflectances, 2.5' workplane, open room.
LLF: 1.0 Initial. Open Space: 50' x 40' x 10'

