

WS Series

Wet Location LED Linear Luminaire



Durable and Robust - Ideal for Environmentally-Demanding Locations

EXCEPTIONAL Lighting Performance

Reliable illumination for demanding applications. Diffused lens prevents direct view of LEDs and pixelation. Features a full, luminous appearance with optimized lumen distribution.

PERFORMANCE-OPTIMIZED Technology & Design

Beautifully designed, highly efficient IP65-rated LED luminaire producing up to 98 lumens per watt with 70,000 hours of life and offering a 10-year limited warranty.

ROBUST Construction

Constructed of one-piece molded, rugged fiberglass-reinforced polyester and UV-stabilized, impact-resistant diffused acrylic shielding. Optimal choice for cold or hot weather installations.

BROAD RANGE OF Applications

With an operating range of -25°C to 35°C and built for wet locations and areas with dust, dirt or humidity, ideal for showers, walk-in coolers & more.

Maximum Value. Maximum Protection.

The versatile Cree® WS Series wet location LED linear luminaire is a durable, robust wet location fixture ideal for environmentally-demanding indoor and outdoor applications. This IP65-rated luminaire is water-resistant and provides dust protection for use in environments where similarly-rated fluorescent fixtures are installed. Suitable for operating temperatures ranging from -25° to 35°C, the WS Series provides protection from external elements, allowing for cold to hot weather environment installations in both new construction and upgrade applications.

PERFORMANCE SUMMARY

Cree Full Definition Technology

DELIVERED LIGHT OUTPUT: 4700, 5000, 5900 and 6300 lumens

EFFICACY: Up to 98 LPW

CRI: FD (Full Definition) color - minimum 80 CRI

CCT: 3500K, 4000K, 5000K, 5700K

INPUT VOLTAGE: 120-277 VAC

LIFETIME: Designed to last 70,000 hours at 25°C

WARRANTY: 10-year limited warranty

DIMENSIONS: L 51.8" x W 6.8" x H 4.3"

WEIGHT: 12 lbs.

MOUNTING: Ceiling or wall

DIMMING: 0-10V standard: 10% - 47L and 50L;
15% - 59L and 63L

Product specifications subject to change at any time.
Visit www.cree.com/canada to find the most up-to-date information.

CONSTRUCTION & MATERIALS

- Constructed of fiberglass reinforced polyester
- Polycarbonate latches
- Two 1/2" entry points are provided (one at each end of the housing) for continuous feed
- Top of housing has six embossments providing mounting flexibility to uneven surfaces

OPTICAL SYSTEM

- Full Definition LEDs
- Frosted injection molded acrylic shielding
- Polyurethane gasketing is poured in place, providing a continuous, seamless seal
- Highly reflective reflector plate provides maximum efficiency

ELECTRICAL SYSTEM

- Power Factor = 0.9 nominal
- Input Power: Stays constant over life
- Input Voltage: 120-277 VAC
- Temperature rating: Designed to operate in temperatures -25°C to 35°C
- Total Harmonic Distortion: <20%

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus listed
- IP65 rated
- UL listed for wet locations

CONTROLS

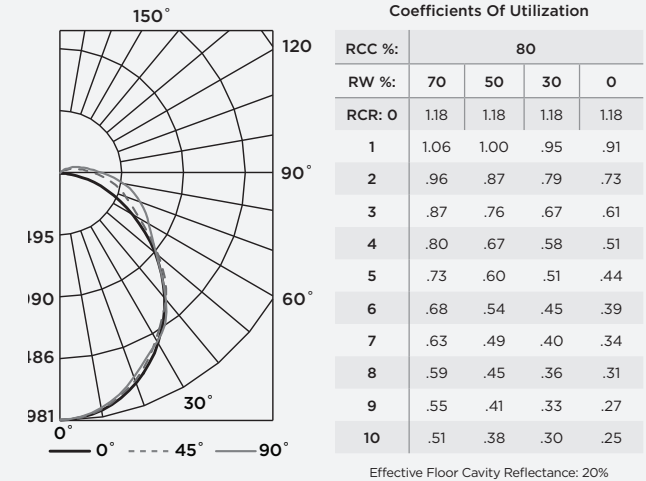
- Continuous dimming with 0-10V DC control protocol

MOUNTING OPTIONS

- Ceiling
- Wall

PHOTOMETRY

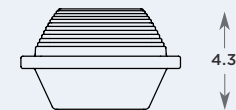
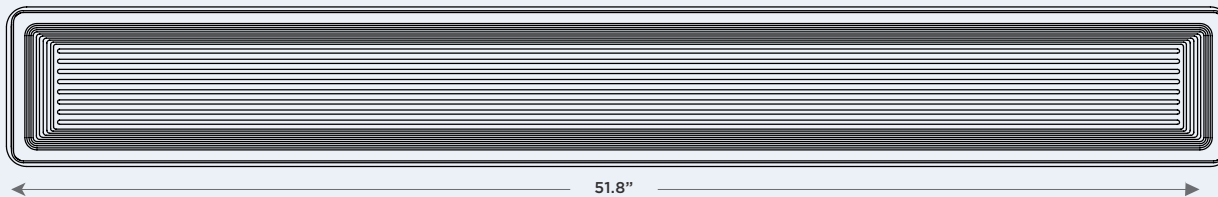
WS4-59L-35K-10V-FD / Based on DTC Report Test #: 38552



Average Luminance Table (cd/m2)

Vertical Angle	Horizontal Angle			Zonal Lumen Summary	
	0°	45°	90°	Zone	Lumens Luminaire
0°	1,992	1,992	1,992	0-30	1,482 24.9%
45°	1,152	1,163	1,170	0-40	2,387 40.2%
55°	831	878	889	0-60	4,075 68.6%
65°	530	586	731	0-90	5,556 93.5%
75°	278	357	597	0-180	5,941 100%
85°	86	192	425		

Visit www.cree.com/canada for an explanation of calculations for these recommended WS Series Lumen Maintenance Factors. Reference www.cree.com/canada for detailed photometric data.



WS4™

WS4-59L-35K-10V-FD

- 5900 lumens, 94 LPW
- 70,000 hours
- 10-year limited warranty

Dimensions: L 51.8" x W 6.8" x H 4.3"