



VG Series

LED Parking Structure Luminaire







Used for Pendant, Hook & Cord, Junction Box,
Direct Mounts and Trunnion Mounts

Reinventing LED Parking Structure Lighting

ENHANCED

Visual Comfort

Designed specifically to meet the illumination performance requirements of parking structures while dramatically reducing glare. The result is a visually more comfortable environment that enhances the safety of vehicle and pedestrian traffic.

DRAMATIC

Savings

Delivering increased value not only through an affordable initial cost but also during the life of the luminaire with extremely low energy consumption and low operating expenses.

PLEASING

Design Aesthetics

Dim and uninviting spaces are no longer a problem with urban design. A well-lit structure delivered by the aesthetically pleasing VG Series will not only improve the visual environment but can also attract more customers.

QUICK AND RELIABLE

Installation

Designed with simplified mounting solutions for seamless installation in virtually any parking deck, the VG Series provides the choice of five mounting options — J-box, direct, pendant, trunnion and hook and cord mounts.

WHY CREE?

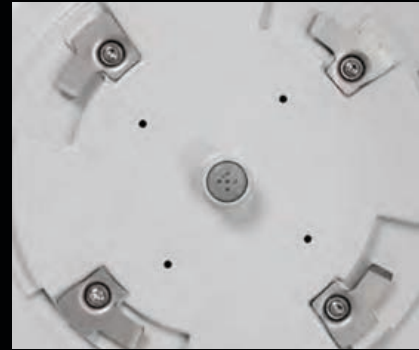
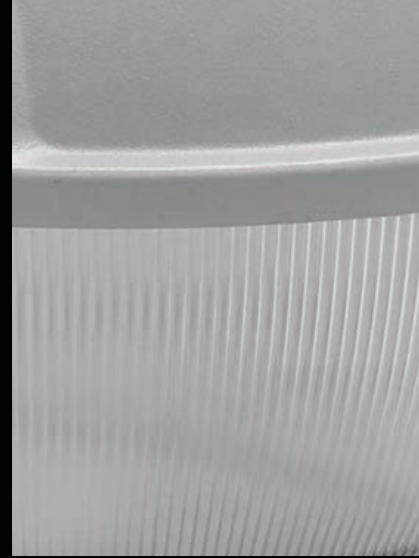
PROVEN PERFORMANCE, UNBEATABLE TECHNOLOGY

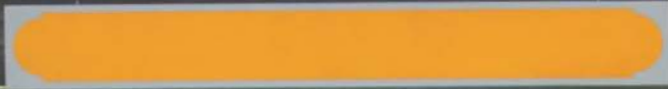
Every Cree product is designed to meet a superior level of craftsmanship and quality, ensuring long life, precise light control and the superior aesthetics that make our products distinct. The optical system in the VG Series features precision designed collimating optics and a state-of-the-art internal reflector system that helps in directing light to the preferential areas while eliminating direct view of LEDs and associated unwanted glare.

The complete optical system together with the precision designed prismatic optical lens provides the final touch to delivering exceptionally low brightness light with great uniformity. The VG luminaire is offered with two optical distributions, Type V Medium and Type V Wide distribution, ideal for both upgrade and new construction parking structure applications. The combined result is a luminaire that satisfies not only the vertical and horizontal illumination needs but also eliminates unwanted glare from the visual environment — all while substantially reducing your maintenance and energy costs.

Industry-Leading Limited Warranty

Cree offers a standard 10-year limited warranty that covers the broadest product range in the industry, including the VG luminaire. Along with the product warranty, Cree offers a standard 10-year limited warranty on our Colorfast DeltaGuard® Finish, the finest industrial-grade finish available.





The Result:

Enhanced Lighting with Fast Payback

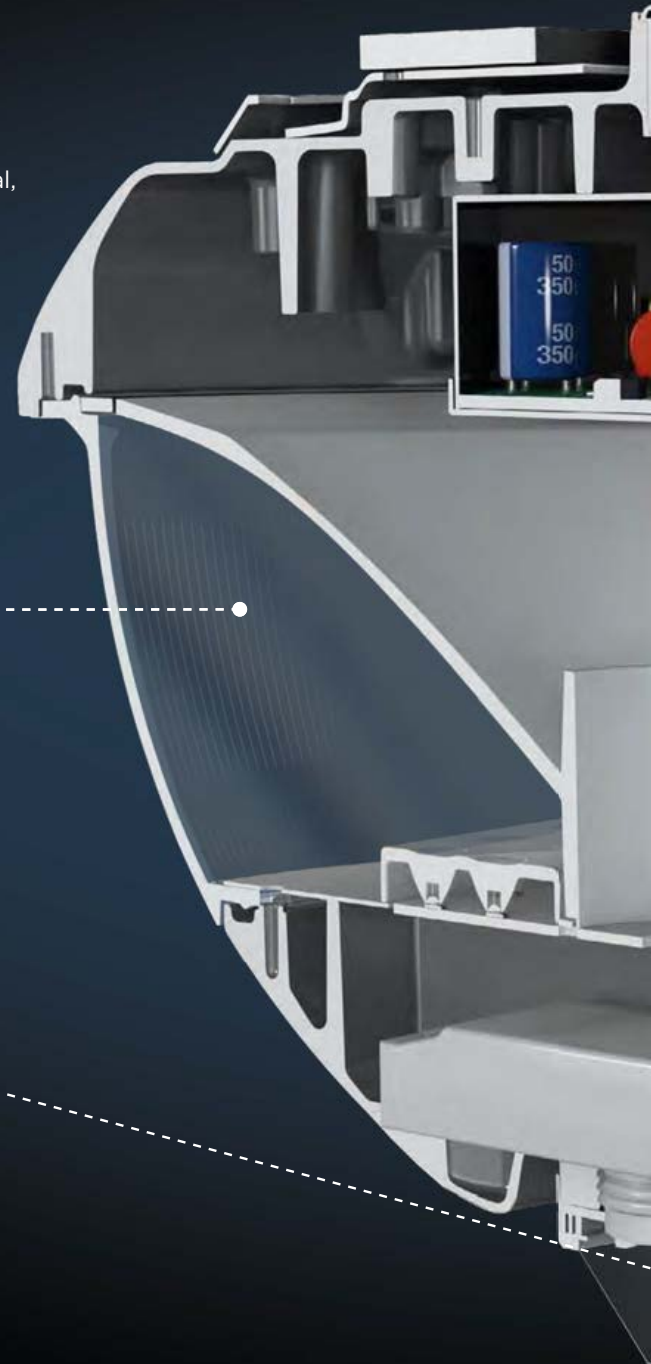
VG Series parking structure luminaires are engineered to deliver optimal, low-glare illumination by intelligently eliminating direct view of LEDs with a revolutionary optical system. The VG luminaire eliminates the need for spot or group re-lamping enabling a virtually maintenance-free solution for the designed life of the installation.

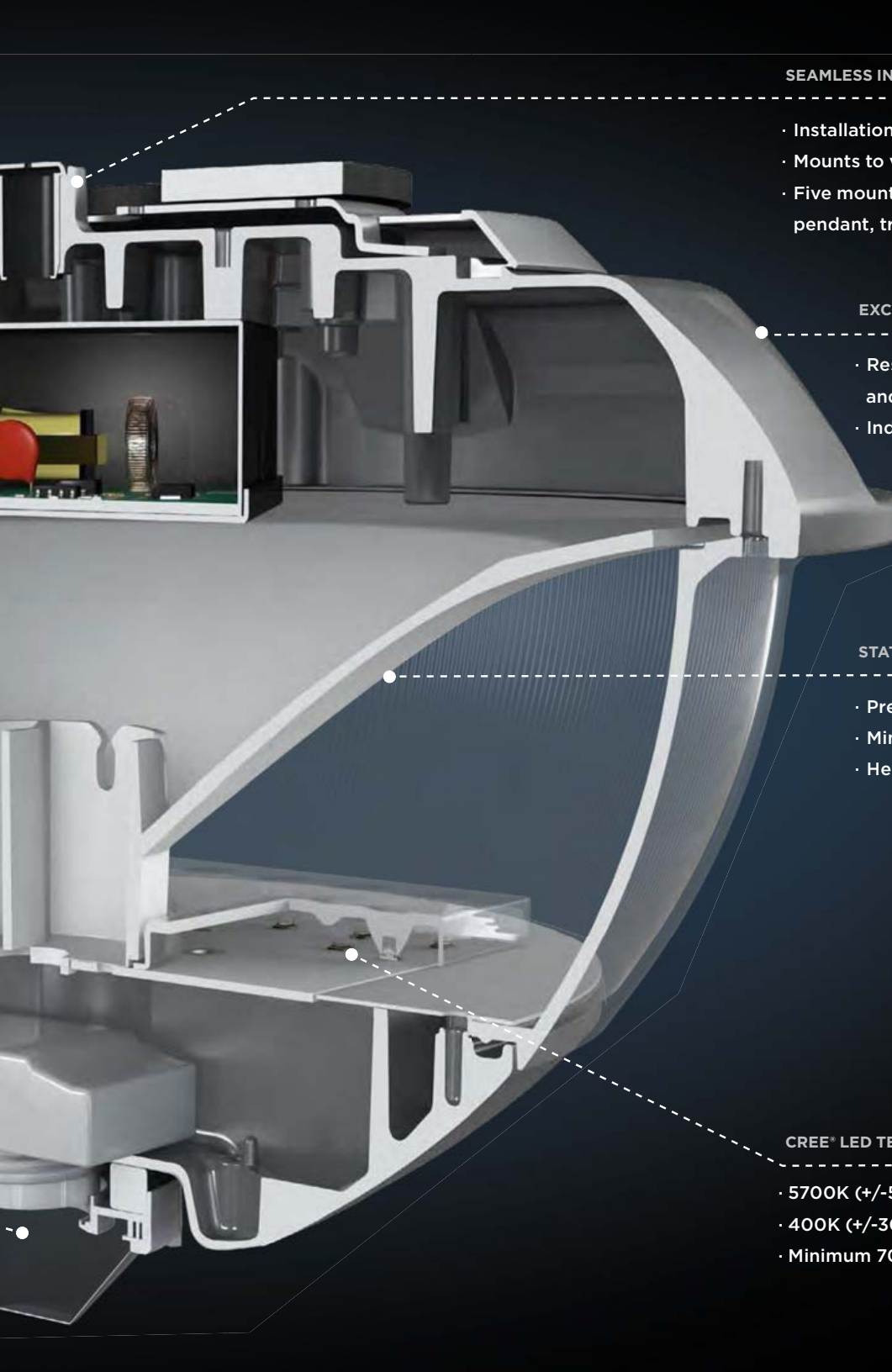
PRISMATIC OPTICAL LENS

- Delivers exceptional uniform lighting
- Complements the internal reflector system
- Helps in delivering a comfortable safe visual environment

OPTIONAL OCCUPANCY SENSOR

- Reduced light levels and energy costs when the coverage area is vacant
- Ambient and occupancy control
- Field adjustable





SEAMLESS INSTALLATION

- Installation in minutes
- Mounts to virtually any parking deck
- Five mounting options: direct, J-box, surface mount, pendant, trunion and hook & cord

EXCLUSIVE COLORFAST DELTAGUARD® FINISH

- Resistant to corrosion, ultraviolet degradation and abrasion
- Industry-leading 10-year limited finish warranty

STATE-OF-THE-ART INTERNAL REFLECTOR SYSTEM

- Prevents direct view of LEDs
- Minimizes glare
- Helps direct light to preferred areas

CREE® LED TECHNOLOGY

- 5700K (+/-500K)
- 400K (+/-300K)
- Minimum 70 CRI

Inspired Design, Uniform Lighting.

Architectural design, quick and easy installation and low total cost of ownership makes the VG Series ideal for both new and existing parking structures.

PERFORMANCE SUMMARY

Made in the U.S.A. of U.S. and imported parts

INITIAL DELIVERED LUMENS: 3,710 to 3,870

OPTICAL DISTRIBUTIONS: Type V Medium or Type V Wide

INPUT POWER: 50W

CRI: Minimum 70 CRI

CCT: 5700K (+ / - 500K), 4000K (+ / - 300K)

INPUT VOLTAGE: 120-277V, 347V, or 480V

LIMITED WARRANTY: 10 years on luminaire / 10 years on Colorfast DeltaGuard® finish*

DIMMING: 0-10V Dimming

MOUNTING: Direct Junction Box, Pendant, Trunnion, Hook & Cord

*See www.cree.com/lighting for warranty terms.
Product specifications subject to change at any time.

VG Series

LED Parking Structure Luminaire

VG

Used for **Junction Box and Direct Mounts**

- 3,820 lumens 50W (5700K; Type V Medium)
- 3,710 lumens 50W (4000K; Type V Medium)
- 10-year limited warranty

Dimensions: L 13.3" x W 13.3" x H 7.9"



VG

Used for **Pendant, Hook & Cord and Trunnion Mounts**

- 3,870 lumens 50W (5700K; Type V Wide)
- 3,760 lumens 50W (4000K; Type V Wide)
- 10-year limited warranty

Dimensions: L 13.3" x W 13.3" x H 7.9"



CONSTRUCTION & MATERIALS

- **Direct:** Provided with surface mount box for conduit entry
- **J-Box:** Mounting bracket designed to mount directly over existing single gang and octagonal junction boxes for direct mount. **Pendant:** Includes 36" wires out of fixture and is intended to be mounted by 3/4 IP pendant (by others).
- **Trunnion:** Provided with trunnion mounting. **Hook & Cord:** Provided with 3 foot cord and spring lock hook for mounting
- Low profile, lightweight design provides ease of installation
- Constructed of rugged die cast aluminum with integral, weather tight LED driver compartments and high performance heat sink
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Standard is silver. Black, bronze, platinum bronze, and white are also available.

ELECTRICAL SYSTEM

- Input Voltage: 120-277V, 347V, or 480V, 50 / 60Hz
- Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load

FINISH COLORS

Black (BK)



Bronze (BZ)



Platinum Bronze (PB)



Silver (SV)



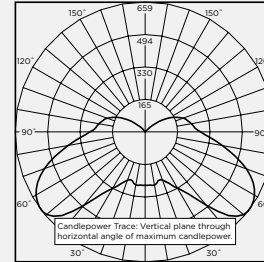
White (WH)



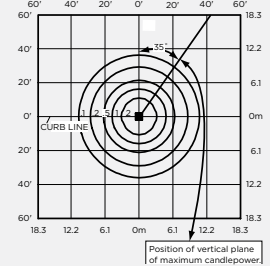
PHOTOMETRY

VG-A**-5M-A-40K-UL

Based on ITL Report Test #: 78019



Initial Delivered Lumens: 3,776

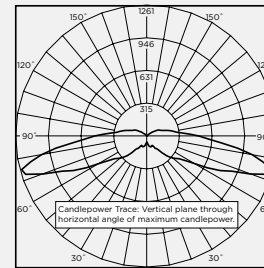


Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 3,710
Initial FC at grade

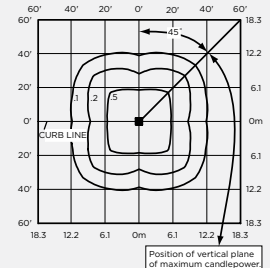
PHOTOMETRY

VG-A**-5W-A-40K-UL

Based on CESTL Report Test #: 2013-0219



Initial Delivered Lumens: 3,769



Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 3,760
Initial FC at grade

For exact photometric data please reference our available spec sheets and IES test results at: www.cree.com/lighting/vgseries

LUMEN OUTPUT, ELECTRICAL AND LUMEN MAINTENANCE DATA

VG Parking Structure Luminaire													
Optic	5700K		4000K		System Watts 120-277V	System Watts 347-480V	TOTAL CURRENT						50K Hours Projected Lumen Maintenance Factor @ 15°C (59°F)***
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11			120V	208V	240V	277V	347V	480V	
5M	3,820	B2 U4 G2	3,710	B2 U4 G2	50	52	0.43	0.25	0.22	0.19	0.15	0.11	91%
5W	3,870	B2 U4 G3	3,760	B2 U3 G3	50	52	0.43	0.25	0.22	0.19	0.15	0.11	91%

* Actual production yield may vary between -4 and +10% of initial delivered lumens.

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf.

*** For recommended lumen maintenance factor data see TD-13. Calculated L₇₀ based on 6,000 hours LM-80-08 testing: > 150,000 hours.



America's Leading Innovator of LED Lighting

The VG Series is built on innovative thinking and revolutionary technology that reflect America's pioneering spirit. How fitting, then, that it was designed and assembled right here in the U.S. by Cree, America's leading innovator of LED lighting.

Cree **IS** LED Lighting.

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