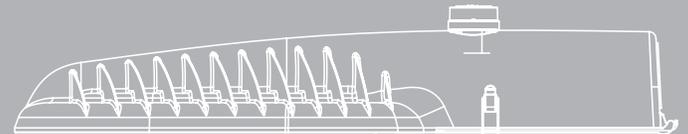
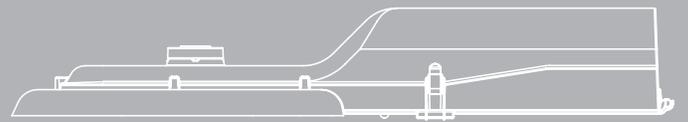


Verdeon
ROADWAY LUMINAIRE



Streetworks



INNOVATION. EVOLUTION.

PRECISE CONTROL, WIDE RANGE OF OPTIONS

From residential streets to busy thoroughfares, the Verdeen LED roadway luminaire gets the job done. Combining low initial cost with superior energy savings, the Verdeen luminaire provides warm, white light with superior color rendering and uniform illumination of the roadway surface. Rugged construction. A classic curved form. Lumen packages tailored to light everything from country roads to highways. The Verdeen LED luminaire delivers superior performance and unbeatable economics.

ENGINEERED FOR PERFORMANCE & RELIABILITY

High performance, long life, low maintenance and low cost are critical factors for any roadway lighting application. The Verdeen luminaire is ideal for retrofit and new construction projects, and it can be tailored to meet your specific needs without compromising on important features. A single basic housing accommodates a wide range of lumen packages, with outstanding ten-year lumen maintenance. CCTs ranging from 2200K to 5700K at 70CRI available. The LEDs are enclosed in IP66 rated optics and the fixture is UL wet location listed with an IP66 housing option available.

REAL-WORLD FEATURES & DURABILITY

The Verdeen luminaire is designed to install easily, meet your performance requirements, and slash your energy and maintenance costs. A tool-less, removable driver door and quick electrical disconnects allow nearly effortless installation and maintenance. Multiple surge protection options provide exactly the level of protection you need, while a super TGIC polyester powder coat finish delivers years of worry-free ownership.



Design Features

The Verdeon luminaire is designed to provide superior optical performance combined with a variety of control options in a package that's easy to install and maintain. Industry-leading AccuLED Optics™ technology ensures maximum pole spacing and uniformity when replacing 50-250W HPS fixtures.

CONSTRUCTION

- Rugged, die-cast aluminum housing
- Tool-less entry with hinged, removable power door for quick, easy maintenance
- 3G vibration rated
- IP66 rated LED optical enclosure
- UL wet location rated housing (IP66 housing optional)

ELECTRICAL

- -40°C to 40°C ambient operating temperature range; 50°C High Ambient option available
- 10kV or 20kV series or parallel, UL 1449 surge protection available
- 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation
- Quick electrical disconnects for tool-less removal of power

CONTROLS

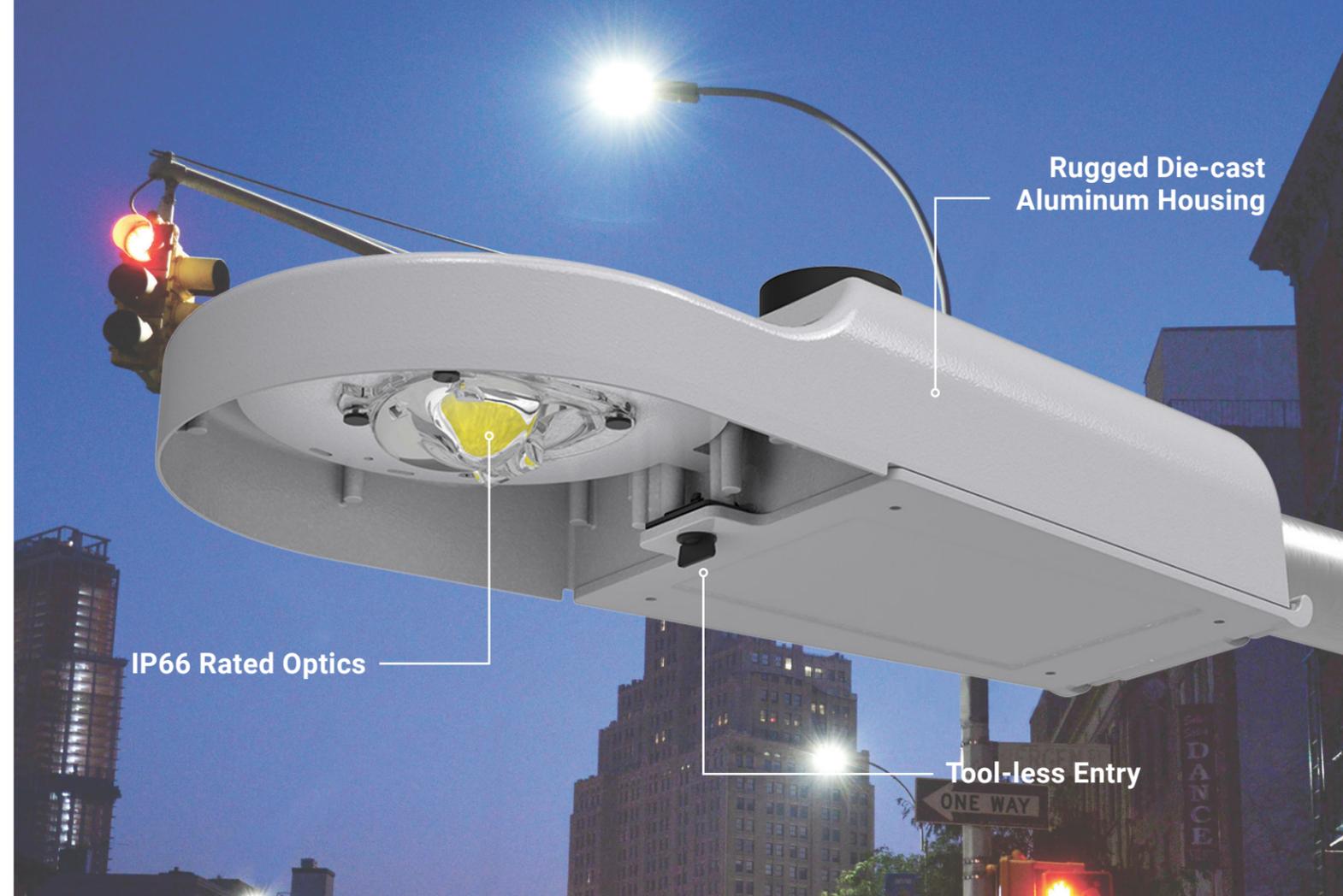
- Controls-ready when equipped with ANSI 7-PIN twistlock photocontrol receptacle
- Available with dimming motion control

OPTICAL

- Wide range of lumen packages; replaces 50-250W HPS luminaires in most roadway applications
- Outstanding lumen maintenance ratings at 25°C and 40°C ambient temperatures (Consult spec sheet for specific lumen maintenance data)
- AccuLED Optics technology provide precise, repeatable lighting
- Type I, II, III, IV and V distributions
- CCTs ranging from 2200K to 5700K at 70 CRI available

WARRANTY

- Five-year warranty



Optional Features



SURGE PROTECTION

UL 1449 Listed 10kV/10kA surge protection against common (line-to-ground) and differential (line-to-line) mode surge.



7-PIN NEMA TWISTLOCK PHOTOCONTROL RECEPTACLE

ANSI C136.41 compliant. Enables wireless dimming when used with compatible photo-control. 3-PIN NEMA Twistlock Photocontrol also available.

Ease of Installation and Maintenance

Superior performance comes with years of low-cost, low-hassle ownership. With lumen maintenance and life expectancy far beyond traditional HID light sources, regular and time-consuming service visits are a thing of the past. The simple and spacious Verdeon fixture housing is designed to fit lineman's gloves and can be installed with simple tools. The driver is mounted on the power door, so service is tool-less. The door is small enough to hold in one hand, making field replacement quick and easy.



TOOL-LESS ACCESS

Stainless steel latches provide easy, tool-less access to the electrical compartment, even with lineman's gloves.



HINGED, REMOVABLE POWER DOOR

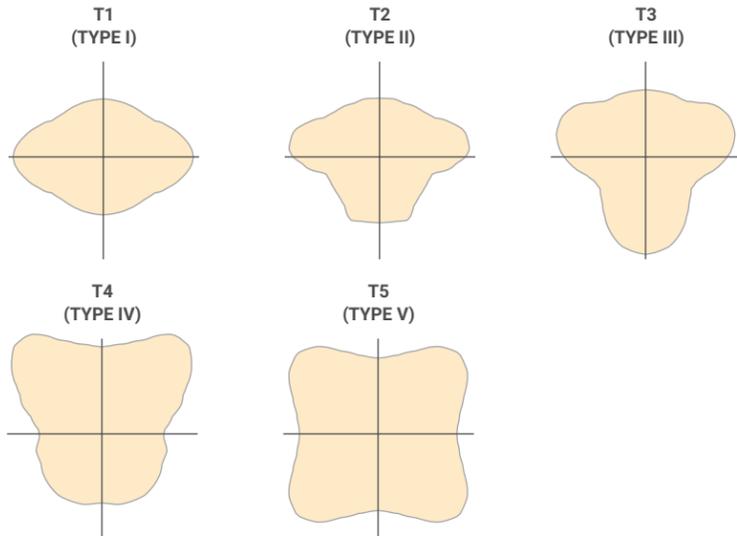
Driver is mounted to door. Integral hinge allows door to hang securely while making wire connections and can be easily removed without the use of tools.



Performance and scalability

OPTICAL PERFORMANCE REDEFINED

Choice of five patented, high-efficiency AccuLED Optics. Available in Type I, II, III, IV and V the optics are precisely designed to shape the distribution maximizing efficiency and application spacing. Offered in 2200K - 5700K CCTs and 70 CRI options. For the ultimate level of spill light control, an optional house side shield accessory is available and can be field or factory installed. Optics are IP66 enclosure rated.



Technical specifications

PERFORMANCE

Distributions: Type I, Type II, III, IV, V
Lumens
 Verdeon Small: 3,000 - 11,500
 Verdeon Grande: 14,000 - 24,000
 Verdeon Maximus: 22,000 - 37,000
CCT/CRI: 2200K / 70 CRI, 2700K / 70 CRI
 3000K / 70 CRI, 4000K / 70 CRI,
 5000K / 70 CRI, 5700K / 70 CRI
Controls: 0-10V, occupancy sensor, 3-PIN or 7-PIN
 NEMA twistlock photocontrol receptacle

ADDITIONAL INFORMATION

Warranty: 5 year (optional 10 year)
Vibration tested: 3G
UL/cUL listed: Wet location
IP66 rated: Yes (optics)
ISO 9001: Certified
RoHS: Compliant

CERTIFICATIONS

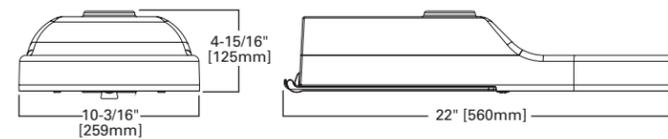


ENERGY DATA

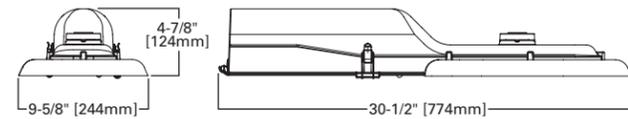
Power factor: >0.9
Total harmonic distortion: <20%
Minimum temperature: -40°C
Ambient temperature rating: 40°C / 50°C
Operation: 120-277V 50/60Hz, Optional 347V
 and 480V

Dimensions

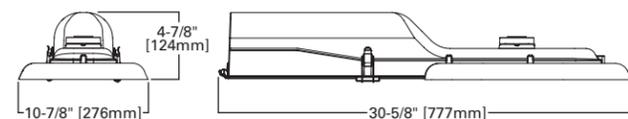
VERD-S



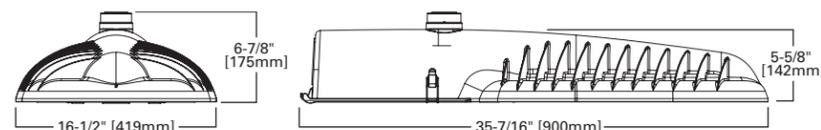
VERD



VERD-G



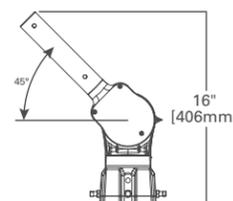
VERD-M



MOUNTING OPTIONS



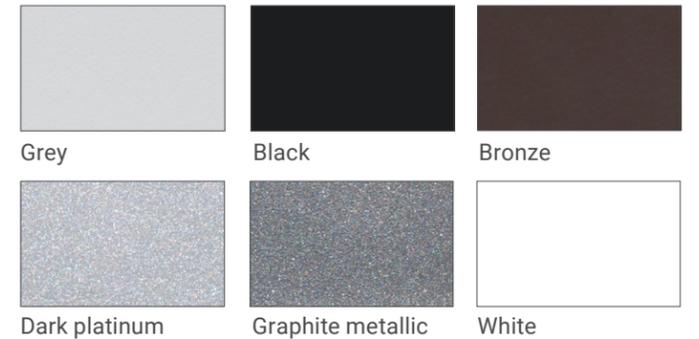
ADJUSTABLE SLIPFITTER OFFSET ARM



Finish selection

Five-stage super TGIC paint resists extreme weather conditions, while providing optimal color and gloss retention.

Cooper Lighting Solutions utilizes premium ultra-weatherable TGIC based polyester powder coatings that are specifically formulated to withstand extended outdoor exposure. The powders are formulated exclusively for Cooper Lighting Solutions to serve functionally as well as decorative. Good film appearance combined with excellent mechanical and exterior exposure qualities display greater than twice as much gloss retention. Finish is compliant with ASTM B117 3000hr salt spray standard. RAL and custom color finishes available.



NOTE: Colors and textures have been matched as close as possible. Consult your lighting representative at Cooper Lighting Solutions for more information, or visit cooperlighting.com to find the most up to date information.

Product specifications subject to change without notice.
 Visit cooperlighting.com to find the most up to date information.

Lighting Product Lines

Ametrix
AtLite
Corelite
Ephesus
Fail-Safe
Halo
Halo Commercial
Invue
io
Iris
Lumark
Lumière
McGraw-Edison
Metalux
MWS
Neo-Ray
Portfolio
RSA
Shaper
Streetworks
Sure-Lites

Controls Product Lines

Fifth Light Technology
Greengate
iLight (International Only)
iLumin
Zero 88

Connected Lighting Systems

Distributed Low-Voltage Power
Halo Home
iLumin Plus
WaveLinx
WaveLinx Lite

VERDEON
Roadway Luminaire



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Printed in USA
Publication No. BR521001EN
October 2021