

VersaTEK Large LED Floodlight Series



The VersaTEK Floodlight Series is an extremely durable & performance focused solution for both specification & budget minded applications for demanding Utility, Municipality, DOT & Commercial project applications.

A value-driven solution for any flood application where the VersaTEK Flood's product reliability & performance is paired with lineman-friendly installation & hassle-free maintenance design to help provide the lowest total cost of ownership possible over an expected installed service life of 10-20 years.

Whether you need to light a loading dock, large open spaces, to accenting a building facade or structure like a bridge, the VersaTEK Flood has a wide range of mounting and performance optical solutions to get the job done right. Three slipfitters, yoke, trunnion and adjustable wall or direct to pole mounting options coupled with wide selection of all-purpose & performance flood optics to design with, making this floodlight ideal for new construction or as a retrofit solution providing ~70-80%+ in combined energy & maintenance savings vs. legacy HID alternatives.

Key Features, Details & Specs

- 31,700 to 59,000 lumens w/ efficacies up to 175 LPW
- True 400-1000+ watt HID replacement (70%+ energy savings)
- Performance Selector option for field adjustment of wattage & lumens
- High performance flood optics & shield options
- 2700K, 3000K, 4000K & 5,000K CCT options available
- Weighs only 34-37 lbs. for safe single person installation
- 6kV integral surge standard, 10kV & 20kV surge options available
- Entire luminaire & optical assembly is rated IP66
- 50°C (122°F) high-ambient rating is standard
- Pass-thru convective cooling & integral thermal heatsink design
- IK10 rated glass lens (for flood configurations)
- A360 die-cast low copper content alloy (< 0.6%)
- 5,000-hour salt spray finish standard (coastal finish available)
- All exposed fasteners are stainless steel & captive
- 3G vibration rated suitable for high winds, overpasses, bridges, etc.
- Tool-free access w/ optional tool-free removable 'Power Door'
- Tested before & after rigorous 2-hour burn-in cycle
- Assembled in the USA at LEOTEK's San Jose, CA facility



'SF' slipfitter mount

Typical Applications

- Electrical Substations
- Water Treatment Facilities
- Rail & Intermodal Yards
- Storage Yards
- Loading Docks
- Prisons
- Bridges
- Facades & Large Structures

Integral Tool-Free Access Design

Tool-free electrical access & removable hinged door w/ fixed open door prop design for ease of installation or maintenance (compatible w/ most lineman safety gloves)



Hassle Free Installation & Maintenance Features

Optional terminal block, slipfitter w/ self-centering 'star' design assists with leveling to a tenon and a UL recognized splice compartment ('SF' option splice compartment w/ 5-wire lead access & WAGOs for ease of installation, eliminates the need for a secondary j-box, compatible w/ 1-5/8", 2-3/8" & 3" O.D. tenons)



Tool-Free Removable Power Door Option

All serviceable electrical components mounted to a Power Door that is accessed & removable without tools in less than 15 seconds (undo MOLEX connectors, push two spring clips to unlock door, slide forward to remove)



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'TR' trunnion mount



'YK' yoke mount



Ordering Information

Sample Catalog No. VTLFL-216A-MV-40K7-N66-DB1-CF-P7-SFH-D4I-PCR7-TB-WL1-SP2-SF120

Product	LED Code	Voltage	Color Temp	Optical Distribution	Finish*	Performance Code	Mounting Options
VTLFL VersaTEK Large Flood	216A 216 LEDs Gen-A	MV 120-277V HV 347-480V	27K7 2700K, 70CRI 30K7 3000K, 70CRI 40K7 4000K, 70CRI 50K7 5000K, 70CRI 30K8 ¹ 3000K, 80CRI 40K8 ¹ 4000K, 80CRI 50K8 ¹ 5000K, 80CRI	N66 NEMA 6Hx6V Flood S33 NEMA 3Hx3V Spot NSP Narrow Spot RN Rectangular Narrow RM Rectangular Medium RW Rectangular Wide WG Wall Grazer	BK Black DB1 Dark Bronze (RAL8019) WH White GY Gray NA Natural Aluminum CF Coastal Finish	P1 P2 P3 P4 P5 P6 P7 (see Page 3 for details)	SF ² Slipfitter w/ 5-Wire Leads (in UL splice compartment) SFH ² Slipfitter w/ S/O Cord Exiting Housing Bottom SFC ² Slipfitter w/ S/O Cord Exiting Center of Fitter TR ² Trunnion Mount YK ² Yoke Mount AWM Adjustable Wall Mount (compatible w/ 3" & 4" square/octagonal recessed J-boxes) AWMSC Adjustable Wall Mount w/ Surface Conduit J-Box ASPM Universal Square Pole Adjustable Arm Mount ARPM Universal Round Pole Adjustable Arm Mount

Driver & Control Options	General Options
D4I ³ DALI D4i Driver PCR7 ANSI 7-wire Photocontrol Receptacle PCR7CR ^{3,6} ANSI 7-wire Control Ready Receptacle TLR4U ^{3,4} DALI 4-PIN Twist Lock Receptacle (upper housing receptacle location) TLR4L ^{3,4} DALI 4-PIN Twist Lock Receptacle (lower driver door receptacle location) LLPC ⁵ Long Life Photocontrol PS ⁶ Field Adjustable Performance Selector PND1 ⁷ Part Night Dimming V1 PND2 ⁷ Part Night Dimming V2 PND3 ⁷ Part Night Dimming V3	AIM45 ⁸ Slipfitter Factory Pre-aimed at 45° TFL Tamper free latch (driver electrical door) TB 3-position Terminal Block SP1 10kV/5kA Surge, Fail-to-On SP2 20kV/10kA Extreme Surge, Fail-to-On LSSP2 20kV/10kA Extreme Surge, Fail-to-Off WL Wattage Label, ANSI C136.15-2015 compliant WL1 Wattage Label, ANSI C136.15-2020 compliant DSC Optional Driver Door Safety Cable SC Shorting Cap (factory installed) PWRD Power Door Option (tool-free removable door w/ serviceable electrical items) SFXXX ⁹ Single Fuse ('XXX' = specify voltage 120, 277, 347V) DFXXX ⁹ Double Fuse ('XXX' = specify voltage 208, 240, 480V) 5WSO ¹⁰ 5-wire S/O Cord (16AWG, 4' length w/ dimming leads) SOXXYY ¹¹ Special S/O AWG & Cord Length in Feet ('XX' = specify AWG 12, 14 or 16) ('YY' = specify S/O cord length 06, 08, 10, 15, 25)

General Accessories*
TBS-VTL Top, Bottom Shield LRS-VTL Left, Right Side Shield 4SS-VTL 4-sided Shield BDS-VTL Barn Door Shield VS-VTL Poly Vandal Shield WG-VTL Wire Guard BSK Bird Deterrent Spider Kit LLPCMV Long Life Photocontrol MV LLPCHV Long Life Photocontrol HV

*Accessories are ordered & shipped separately, not to be included in the luminaire's catalog number. (requires field installation)

- 80CRI option only available in 3000K, 4000K & 5000K CCTs and may have longer leadtimes (contact factory).
- Mounting option includes 16AWG 3-wire S/O cord with a 4" exit length w/ last 6" of insulation removed.
- For full 100% D4i DALI functionality a 'PCR7CR', 'TLR4U' or 'TLR4L' must also be selected with 'D4I' DALI driver option. DALI compatible node or sensor (by others).
- 'TLR4U' & 'TLR4L' twist lock receptacle option requires 'D4I' DALI driver option to be selected.
- 'LLPC' requires 'PCR7' option to be selected (does not ship installed, ships included w/ luminaire).
- 'PS' Performance Selector enables field adjustable light output control (specified Performance Code is factory set). 'PS' is not compatible w/ 'PCR7CR' option.
- 'PND' options only available w/ 'MV' 120-277V (contact factory for 'HV' 347-480V availability).
- Slipfitter options ship pre-aimed at 45° from the factory if 'AIM45' is specified.
- For single or double fusing, 'XXX' must specify required voltage.
- '5WSO' only available with 'SFC', 'SFH', 'TR' & 'YK' mounting options.
- 'SOXXYY' option, 'XX' & 'YY' must specify S/O cord AWG & length.

PRELIMINARY Nominal Performance Data 4000K & 5000K

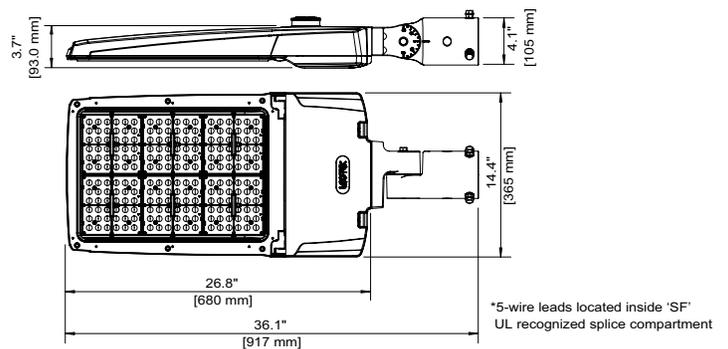
All data shown is preliminary and nominal and not yet final

Performance Code	P1	P2	P3	P4	P5	P6	P7
Lumens ¹ (N66, 70CRI)	31,759	35,166	42,929	46,950	50,054	54,522	59,066
Field Adjustable Range ²	← →		← →				
System Wattage (W)	182	206	261	293	316	347	376
Efficacy (Lm/W)	175	171	164	160	158	157	157
HID Replacement	400-750W		1000W			1000W+	

- Normal tolerance ± 10% due to factors including distribution type, LED bin variance, driver variance and ambient temperatures.
- Performance codes are available in two output ranges for field adjustability if specified, as shown in the performance table. Initial output is set at the factory per the specified Performance Code.

'SF' Slipfitter Mount Dimensions

(5-wire leads in UL splice compartment, shown w/ optional 'PCR7')



* Please refer to VersaTEK product specification sheets for additional ordering information & product details *



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All specs are PRELIMINARY, subject to change w/o notice & all reported values are nominal/typical measured under lab conditions @ 25° C (77° F).
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CERTIFICATIONS NOT COMPLETE UNTIL OFFICIAL LAUNCH