VersaTEK Large

LED Floodlight Series

Versatility by Design

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, or accent 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 a 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

- 23,938 to 59,962 lumens with efficacies up to 179 LPW
- True 400-1000+ watt HID replacement *(70%+ energy savings)*
- Performance Selector option for field adjustment of wattage & lumens
- LEOLink ILS™ Intelligent Lighting System & wireless 'NB01P' smart controller option
- Next-gen performance LED platform, Flood optics & shielding
- 2700K, 3000K, 4000K & 5000K CCT options available
- Weighs only 33-36 lbs. for easy & safe single person installation
- Tool-free access with optional tool-free removable 'Power Door'
- 10kV integral surge standard, 20kV extreme surge option 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 design with IK10 rated glass lens
- A360 die-cast low copper content alloy *(< 0.6%)*
- 5,000-hour salt spray finish standard *(coastal finish available)*
- 3G vibration rated suitable for high winds, overpasses, bridges, etc.
- Tested before & after rigorous 2-hour burn-in cycle
- BAA compliant, BABA option available, assembled in the USA *(San Jose, CA)*
- LEOTEK factory 10-year warranty is standard

'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

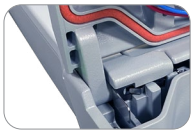
Tool-free electrical access & removable hinged door w/ fixed open door prop design for ease of installation or maintenance
(compatible w/ most lineman safety gloves)

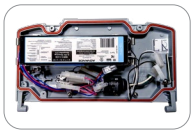
Hassle Free Installation & Maintenance Features

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-GY-CF-P7-SFH-PCR7CR-TB-WL1-SP2-SF120-BABA

Product*	LED Code	Voltage	Color Temp CRI	Optical Distribution	Finish*	Performance Code*	Mounting Options
VTLFL VersaTEK Large Flood *If Build America, Buy America Act (BABA) compliance is required, please refer to 'BABA Domestic Build Option' located under 'General Options' and refer to footnote #15 for additional details.	**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 **CF** Coastal Finish *Consult factory for custom finish options, pricing & leadtimes.	**P1** **P2** **P3** **P4** **P5** **P6** **P7** *Refer to spec sheet for details	**SF**[2] Slipfitter w/ Wire Leads (in UL splice compartment) **SFH**[3] Slipfitter w/ S/O Cord Exiting Housing Bottom (3-wire S/O cord, 16AWG, 4' exit length) **SFC**[3] Slipfitter w/ S/O Cord Exiting Center of Fitter (3-wire S/O cord, 16AWG, 4' exit length) **TR**[3] Trunnion Mount (3-wire S/O cord, 16AWG, 4' exit length) **YK**[3] Yoke Mount (3-wire S/O cord, 16AWG, 4' exit length) **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 (*0-10V drivers are standard)

D4I[4,8]	DALI D4i Driver
TLR4U[4,5,8]	DALI 4-PIN Twist Lock Receptacle (upper housing receptacle location)
TLR4L[4,5,8]	DALI 4-PIN Twist Lock Receptacle (lower driver door receptacle location)
PCR7CR[4,9]	ANSI 7-wire Control Ready Receptacle
SC	Shorting Cap (factory installed)
LLPC[6]	Long Life Photocontrol
PS[7]	Field Adjustable Performance Selector
PND1[8]	Part Night Dimming V1
PND2[8]	Part Night Dimming V2
PND3[8]	Part Night Dimming V3

LEOLink ILS™ Intelligent Lighting System[9]

* See VTLFL specification sheet for LEOLink ordering & system details *
(refer to LEOLink ILS specification sheets for complete specification & ordering information)

General Options

AIM45[10]	Slipfitter Factory Pre-aimed at 45°
SS	Slipfitter Set Screw (replaces standard slipfitter set bolts)
TFL	Tamper free latch (driver electrical door)
TB[2]	3-position Terminal Block
SP2[11]	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
PWRD	Power Door Option (tool-free removable door w/ serviceable electrical items)
SFXXX[12]	Single Fuse ('XXX' = specify voltage 120, 277, 347V)
DFXXX[12]	Double Fuse ('XXX' = specify voltage 208, 240, 480V)
5WSO[13]	5-wire S/O Cord (16AWG, 4' length w/ dimming leads)
SOXXYY[14]	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)

BABA Domestic Build Option

BABA[15]	Build America, Buy America Act Compliant (meets Oct. 1, 2026 final US assembly, 55% content material requirements)

General Accessories*

Shield 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

Controls Accessories

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)

1. 80CRI option only available in 3000K, 4000K & 5000K CCTs and may have longer leadtimes (contact factory).
2. 'TB' Terminal Block is not available for use with the 'SF' Slipfitter mounting option. 3. Mounting option includes 16AWG 3-wire S/O cord w/ a 4' exit length & last 6" of insulation removed.
4. For full 100% D4i DALI functionality a 'PCR7CR', 'TLR4U' or 'TLR4L' must be selected w/ 'D4I' DALI driver option. DALI compatible node or sensor (by others). 'D4I' DALI driver not compatible w/ 'NB01P05/10' smart controller.
5. 'TLR4U' & 'TLR4L' twist lock receptacle options require 'D4I' DALI driver option to be selected.
6. 'LLPC' requires 'PCR7CR' option to be selected (does not ship installed, ships included w/ luminaire).
7. 'PS' Performance Selector enables field adjustable light output dimming control from specified Performance Code, not compatible with DALI driver option.
8. 'PND' options only available w/ 'MV' 120-277V (contact factory for 'HV' 347-480V availability).
9. 'NB01P05/10' requires 'PCR7CR' option, only available in 'MV' 120-277V (contact factory for 'HV' 347-480V). 'NB01P05/10' is a cellular based NEMA 7-PIN Smart Controller, RenAI subscription and network data plan required (see spec sheet for details).
10. Slipfitter options 'SF', 'SFC', 'SFH' ship pre-aimed at 45° from the factory if 'AIM45' is specified. 11. 10kV/5kA surge, fail-to-on is included standard ('SP1'). 12. For single or double fusing, 'XXX' must specify required voltage.
13. '5WSO' only available with 'SFC', 'SFH', 'TR' & 'YK' mounting options. Not available w/ 'PCR7CR', 'PS', 'PND', 'D4I', 'TLR4U', 'TLR4L' options. 14. 'SOXXYY' option, 'XX' & 'YY' must specify S/O cord AWG & length (only available w/ SO cord mounting options).
15. 'BABA' option must be specified to meet Oct. 1, 2026 Build America, Buy America Act (BABA) guidelines. Failure to specify the 'BABA' ordering code will result in receiving non-BABA compliant product (w/ no recourse for an RMA, product exchange or refund).

Nominal Performance Data 4000K & 5000K

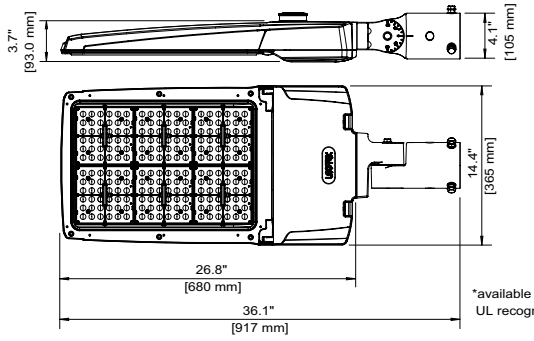
(NEMA 6x6 optic, 70CRI, standard IK10 rated glass lens, 25°C ambient)

Performance Code	P1	P2	P3	P4	P5	P6	P7
Lumens[1]	32,293	36,104	44,316	48,374	52,344	56,204	59,962
System Wattage (W)	180	211	263	290	317	345	373
Efficacy (Lm/W)	179	171	169	167	165	163	161
HID Replacement	400-750W		1000W			1000W+	

1. Normal tolerance ± 10% due to factors including distribution type, LED bin variance, driver variance and ambient temperatures.

'SF' Slipfitter Mount Dimensions*

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



*available wire leads located inside 'SF' UL recognized splice compartment

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

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All specifications are subject to change without notice and all reported values are nominal/typical measured under lab conditions @ 25° C (77° F).