VersaTEK Small

LED Floodlight Series



Versatility by Design

The VersaTEK Small Flood is a durable, performance driven solution designed to meet the needs of both spec-grade and budget-conscious projects across Utility, Commercial, Industrial and Architectural applications.

Compact yet powerful, the VersaTEK Small Flood by LEOTEK provides up to 26,040 lumens and efficacies up to 179 LPW. Designed for durability, ease of installation, and field serviceability, the VTSFL supports both new construction and retrofit applications, replacing legacy 400W+ HID systems while reducing energy usage by 70% or more.

Two purpose-built optical platforms give designers ultimate flexibility. 5050 LED optics include NEMA 6x6 all-purpose flood and 3x3 spot distributions. While five precision 3535 LED flood optics, including a wall-grazer option allows designers to paint with light. With peak intensities reaching as high as 144,307 candela, the VTSFL excels in long-throw and precision-aimed project applications.

Versatile mounting options and contractor-friendly features simplify installation and maintenance. Tool-free access, an integral VersaKICK door kickstand, standard IK10 glass lens, and an optional removable Power Door help reduce labor time in the field.

Key Features, Details & Specs

- 4,357 to 26,040 delivered lumens with efficacies up to 179 LPW
- True 50-400+ watt HID replacement *(70%+ energy savings)*
- Performance Selector option for field-adjustable output ranging from 30-100%
- LEOLink ILS™ Intelligent Lighting System & wireless 'NB01P' smart controller option
- Next-gen LED platform w/ 5050 LED NEMA & 3535 LED performance flood optics
- 2700K, 3000K, 4000K & 5000K CCT options available *(including 80CRI options)*
- Weighs only 21-24 lbs. for easy & safe single person installation
- Tool-free access with optional tool-free removable electrical 'Power Door'
- 10kV integral surge standard, 20kV extreme surge option available
- Entire luminaire & optical assembly is rated IP66
- 50°C *(122°F)* high-ambient rated standard for maximum electrical component life
- Pass-thru convective cooling & integral thermal heatsink design
- Impact resistant IK10 rated design with IK10 rated glass lens standard
- A360 die-cast low copper content alloy *(< 0.6%)* for max paint adhesion & life
- 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



'VTSFL-36A-YK' yoke mount

Typical Applications

- Building Facades
- Retail Storefronts
- Structures & Monuments
- Bridges & Infrastructure
- Electrical Substations
- Water Treatment Facilities
- Rail, Storage, Intermodal Yards
- Loading Docks

Integral Tool-Free Access Design

Tool-free electrical access & removable hinged door w/ integral VersaKICK fixed open door kickstand design for ease of installation or maintenance
(hassle-free design 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)



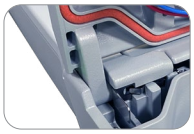


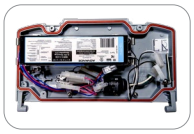


Tool-Free Removable Power Door Option

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)







VersaTEK Small
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'VTSFL-72A-SF' slipfitter mount



'VTSFL-72A-TR' trunnion mount



'VTSFL-72A-YK' yoke mount

Ordering Information

Sample Catalog No. VTSFL-36A-MV-40K7-N66-GY-CF-P9-SFH-PCR7CR-TB-WL1-SP2-SF120-BABA

Product*	LED Code	Voltage	Color Temp CRI	Optical Distribution	Finish*	Performance Code*	Mounting Options
VTSFL VersaTEK Small Flood	**36A** 36 LEDs Gen-A	**MV** 120-277V	**27K7** 2700K, 70CRI	**N66** NEMA 6Hx6V Flood	**BK** Black	**P1**	**SF**[2] Slipfitter w/ Wire Leads (in UL splice compartment)
	72A 72 LEDs Gen-A	**HV** 347-480V	**30K7** 3000K, 70CRI	**S33** NEMA 3Hx3V Spot	**DB1** Dark Bronze (RAL8019)	**P2**	**SFH**[3] Slipfitter w/ S/O Cord Exiting Housing Bottom (3-wire S/O cord, 16AWG, 4' exit length)
			40K7 4000K, 70CRI			**P3**	
			50K7 5000K, 70CRI	**NSP** Narrow Spot	**WH** White	**P4**	**SFC**[3] Slipfitter w/ S/O Cord Exiting Center of Fitter (3-wire S/O cord, 16AWG, 4' exit length)
					GY Gray	**P5**	
			30K8[1] 3000K, 80CRI	**RN** Rectangular Narrow		**P6**	**TR**[3] Trunnion Mount (3-wire S/O cord, 16AWG, 4' exit length)
			40K8[1] 4000K, 80CRI	**RM** Rectangular Medium	**CF** Coastal Finish	**P7**	**YK**[3] Yoke Mount (3-wire S/O cord, 16AWG, 4' exit length)
			50K8[1] 5000K, 80CRI	**RW** Rectangular Wide		**P8**	**AWM** Adjustable Wall Mount (compatible w/ 3" & 4" square/octagonal recessed J-boxes)
						P9*	
				WG Wall Grazer	*Consult factory for custom finish options, pricing & leadtimes.	**P10**	**AWMSC** Adjustable Wall Mount w/ Surface Conduit J-Box
						*'36A' is P9 max	**ASPM** Universal Square Pole Adjustable Arm Mount
							ARPM Universal Round Pole Adjustable Arm Mount

*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.

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 VTSFL 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-VTS	Top, Bottom Shield
LRS-VTS	Left, Right Side Shield
4SS-VTS	4-sided Shield
BDS-VTS	Barn Door Shield
VS-VTS	Poly Vandal Shield
WG-VTS	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 option requires '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, 5050LED

(36A, 5050LED, NEMA 6x6 optic, 70CRI, standard IK10 rated glass lens, 25°C ambient)

Performance Code	P1	P2	P3	P4	P5	P6	P7	P8	P9
Lumens[1]	5,198	6,706	8,702	9,595	10,977	12,317	13,615	14,871	16,086
System Wattage (W)	30	39	49	59	68	77	86	97	106
Efficacy (Lm/W)	173	172	167	163	161	160	158	153	152
HID Replacement	50-100W		175W	200W	250W				350W

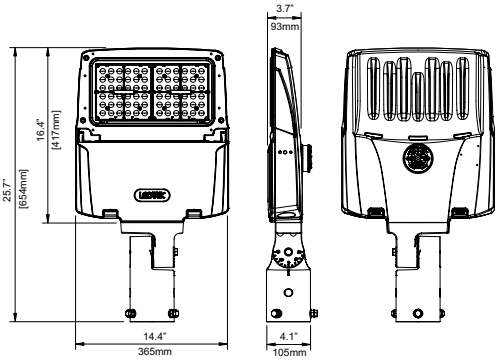
(72A, 5050LED, NEMA 6x6 optic, 70CRI, standard IK10 rated glass lens, 25°C ambient)

Performance Code	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
Lumens[1]	13,227	14,710	16,177	17,630	19,068	20,491	21,900	23,295	24,675	26,040
System Wattage (W)	74	83	92	101	109	117	126	135	144	155
Efficacy (Lm/W)	179	177	176	175	175	175	174	173	171	168
HID Replacement	250W		350W				400W+			

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 'PCR7CR')



* 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).