

VersaTEK Large

LED Site & Area Series



Versatility by Design

The VersaTEK Large LED Site & Area Series is the perfect blend of architectural design, power, performance and reliability with a simple retrofit friendly design delivering up to 65,000+ lumens while weighing in at only 30 lbs.

For end users looking for value friendly initial costs combined with significant energy & maintenance savings resulting in ~70-80%+ combined savings over the course of its installed life versus traditional HID luminaires, VersaTEK's Site & Area Series is your clear choice for optimal payback & ROI.

With a clean free flowing low profile design, the pole arm mount blends seamlessly into any environment or application. Performance factory rotatable optics & multiple field installable shield options allow for extremely uniform illumination that looks amazing while providing visual safety & trespass control for demanding installations.

Pair this with a wide range of fixture & control options which include motion sensors, DALI D4i drivers, D4i receptacle options and part night dimming control capabilities in an easy to retrofit lightweight design for safe & quick single-person installation.

Key Features, Details & Specs

- 27,606 to 65,674 lumens w/ efficacies up to 191 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, Site & Area, Roadway optics & shielding
- 2700K, 3000K, 4000K & 5000K CCT options available
- Weighs 27 to 29 lbs. for safe single person installation
- 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
- 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.
- Tool-free access w/ optional tool-free removable 'Power Door'
- 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

Typical Applications

Industrial & Stadium Parking
Commercial & Retail Parking
Military Bases
Business Parks
College Campuses
Automotive Dealerships

'SPM' square pole arm mount

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)



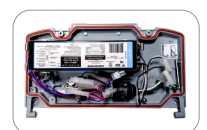
Hassle Free Installation & Maintenance Features

Optional terminal block, a self-centering mast arm 'star' design assists with leveling to a tenon and a retrofit friendly quick mount pole arm (pole arm mount retrofits up to 5.25" bolt spacing for easy single person no drill install)



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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'MAF' mast arm fitter mount

Ordering Information

Sample Catalog No. VTLSA-144A-MV-40K8-T3R-WH-CF-P7-SPM-D4I-TLR4U-TB-SP2-WL1-PWRD-SF277-BABA

Product*	LED Code	Voltage	Color Temp CRI	Optical Distribution	Finish*	Performance Code*	Mounting Options
VTLSA VersaTEK Large Site & Area	144A 144 LEDs Gen-A	MV 120-277V HV 347-480V	27K7 2700K, 70CRI 30K7 3000K, 70CRI 40K7 4000K, 70CRI 50K7 5000K, 70CRI 30K8 3000K, 80CRI 40K8 4000K, 80CRI 50K8 5000K, 80CRI	NR Narrow Roadway MR Medium Roadway WR Wide Roadway T2R Type-2R T2F Type-2F T3R Type-3R T3F Type-3F T4R Type-4R T4F Type-4F T5 Type-5 AFR Auto Front Row ORR Optics Rotated Right ORL Optics Rotated Left	BK Black DB1 Dark Bronze (RAL8019) WH White GY Gray CF Coastal Finish	P1 P2 P3 P4 P5 P6 P7	SPM Universal Square Pole Arm Mount RPM Universal Round Pole Arm Mount MAF Horizontal Mast Arm Fitter (compatible w/ 1-5/8", 2-3/8" and 3" O.D. tenons) WM Wall Mount Fixed (compatible w/ 3" & 4" square/octagonal recessed J-boxes) WMSC Wall Mount Fixed w/ Surface Conduit J-Box 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

*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 #14 for additional details.

*Refer to spec sheet for details

*Consult factory for custom finish options, pricing & leadtimes.

Driver* & Control Options (*0-10V drivers are standard)	General Options	General Accessories*
D4I ^{2,5} DALI D4i Driver TLR4U ^{2,3,5} DALI 4-PIN Twist Lock Receptacle (upper housing receptacle location) TLR4L ^{2,3,5} DALI 4-PIN Twist Lock Receptacle (lower driver door receptacle location) PCR7CR ^{2,8} ANSI 7-wire Control Ready Receptacle SC Shorting Cap (factory installed) LLPC ⁴ Long Life Photocontrol PS ⁵ Field Adjustable Performance Selector PND1 ⁶ Part Night Dimming V1 PND2 ⁶ Part Night Dimming V2 PND3 ⁶ Part Night Dimming V3 MSL3 ^{7,8} Motion Sensor w/ L3 Lens MSL7 ^{7,8} Motion Sensor w/ L7 Lens MSL3P ^{7,9} Motion Sensor w/ L3 Lens w/ PCR7 MSL7P ^{7,9} Motion Sensor w/ L7 Lens w/ PCR7 LEOLink ILS™ Intelligent Lighting System ¹⁰ * See VTLSA specification sheet for LEOLink ordering & system details * (refer to LEOLink ILS specification sheets for complete specification & ordering information)	TFL Tamper free latch (driver electrical door) TB 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 120, 277, 347V) DFXXX ¹² Double Fuse ('XXX' = specify 208, 240, 480V) BLS ¹³ Enhanced Back Light Shield (factory installed) VHS 80 Degree Cutoff Shield (factory installed) FSS ¹³ Front Side Shield (factory installed) CSS ¹³ Cul-de-sac Shield (factory installed) BABA ¹⁴ BABA Domestic Build Option Build America, Buy America Act Compliant (meets Oct. 1, 2026 final US assembly, 55% content material requirements)	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 BLS-VTL ¹³ Enhanced Backlight Shield (snap-on) VHS-VTL 80-Degree Cutoff Shield (snap-on) FSS-VTL ¹³ Front Side Shield (snap-on) CSS-VTL ¹³ Cul-de-sac Shield (snap-on) ('XXX' = specify 36A or 72A LED Code) BSK Bird Deterrent Spider Kit Controls Accessories LLPCM/V Long Life Photocontrol MV LLPCH/V Long Life Photocontrol HV FSIR100 MS Configuration Tool *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).
- 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.
- 'TLR4U' & 'TLR4L' twist lock receptacle options require 'D4I' driver option to be selected.
- 'LLPC' requires 'PCR7CR' option to be selected (does not ship installed, included w/ luminaire).
- 'PS' Performance Selector enables field adjustable light output dimming control from specified Performance Code, not compatible with DALI driver option.
- 'PND' options only available w/ 'MV' 120-277V (contact factory for 'HV' 347-480V availability).
- Motion Sensor options only available w/ 'SPM', 'RPM', 'MAF', 'WM' and 'WMSC' horizontal mounting options.
- 'MSL3', 'MSL7' motion sensors require secondary controls for ON/OFF capability (ex. time clock or 0-10V by others). Contact factory for Motion Sensor availability w/ 'PCR7CR' control ready receptacle for use with wireless 7-PIN control node (by others).
- 'MSL3P', 'MSL7P' motion sensors include a PCR7 photocontrol receptacle for use with a twist lock photocontrol for ON/OFF capability (for use with our 'LLPC' or photocontrol by others, PINs 6 & 7 are not wired for controls, not compatible w/ wireless nodes).
- 10kV/5kA surge, fail-to-on is included standard ('SP1').
- For single or double fusing, 'XXX' must specify required voltage.
- 'BLS-VTL', 'FSS-VTL' and 'CSS-VTL' shields are not available for use with the 'T5' Type-5 optical distribution.
- '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

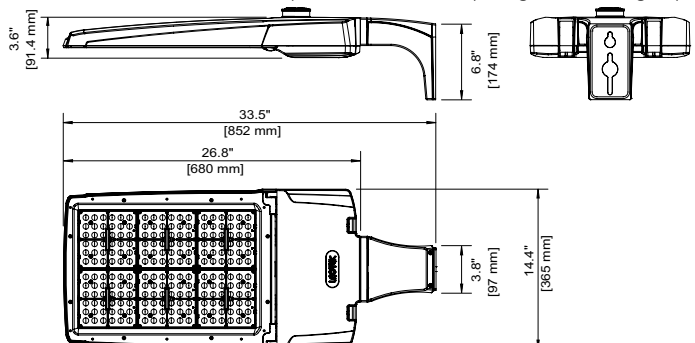
(IES Type-2R optic, 70CRI, standard IK10 rated glass lens, 25°C ambient)

Performance Code	P1	P2	P3	P4	P5	P6	P7
Lumens ¹	34,402	39,347	48,463	52,922	57,295	61,580	65,674
System Wattage (W)	180	211	263	290	317	345	373
Efficacy (lm/W)	191	186	184	182	181	178	176
HID Replacement	400-750W		1000W		1000W+		

- Normal tolerance $\pm 10\%$ due to factors including distribution type, LED bin variance, driver variance and ambient temperatures.

'SPM' Square Pole Arm Mount Dimensions

Quick mount arm can retrofit up to 5.25" max. bolt spacing w/ no drilling required



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

