VersaTEK Large

LED Site & Area Series

LEOTEK®

IP66 · 3G RATED · 5 YEAR LIMITED WARRANTY · 0-10V DIMMABLE · D4 · Assembled in the U.S.A. · c UL us LISTED · ida INTERNATIONAL DARK-SKY ASSOCIATION APPROVED DARK SKY FRIENDLY FIXTURE www.darksky.org

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 65,500 lumens 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 allows 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 includes 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.
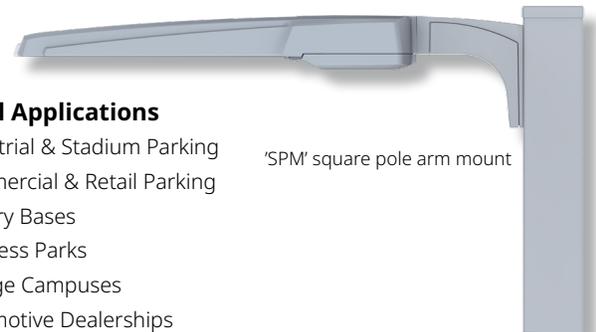
Key Features, Details & Specs

- 29,000 to 65,500 lumens w/ efficacies up to 194 LPW
- True 400-1000+ watt HID replacement *(70%+ energy savings)*
- Performance Selector option for field adjustment of wattage & lumens
- High performance Site & Area, Roadway optics & shield options
- 2700K, 3000K, 4000K & 5,000K CCT options available
- Weighs less than 31 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
- 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

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)

'MAF' mast arm fitter mount

Ordering Information

Sample Catalog No. VTLSA-216A-MV-40K8-T3R-WH-CF-P7-SPM-D4I-TLR4U-TB-SP2-WL1-PWRD-SF277

Product	LED Code	Voltage	Color Temp	Optical Distribution	Finish*	Performance Code	Mounting Options
VTLSA VersaTEK Large Site & Area	**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	**NR** Narrow Roadway **MR** Medium Roadway **WR** Wide Roadway **T2R** Type-2 (regular) **T2F** Type-2 (forward) **T3R** Type-3 (regular) **T3F** Type-3 (forward) **T4R** Type-4 (regular) **T4F** Type-4 (forward) **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 **NA** Natural Aluminum **CF** Coastal Finish *Consult factory for custom finish options, pricing & leadtimes.	**P1** **P2** **P3** **P4** **P5** **P6** **P7** (see Page 3 for details)	**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

Driver & Control Options

D4I[2]	DALI D4i Driver
PCR7	ANSI 7-wire Photocontrol Receptacle
PCR7CR[2,5]	ANSI 7-wire Control Ready Receptacle
TLR4U[2,3]	DALI 4-PIN Twist Lock Receptacle (upper of housing receptacle location)
TLR4L[2,3]	DALI 4-PIN Twist Lock Receptacle (lower driver door receptacle location)
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]	Motion Sensor w/ L3 Lens
MSL7[7]	Motion Sensor w/ L7 Lens

General Options

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[8]	Single Fuse ('XXX' = specify 120, 277, 347V)
DFXXX[8]	Double Fuse ('XXX' = specify 208, 240, 480V)
BLS	BLS = Enhanced Back Light Shield (factory installed)
FSS	FSS = Front Side Shield (factory installed)
CSS	CSS = Cul-de-sac Shield (factory installed)

General Accessories*

TBS-VTL	Top, Bottom Shield
LRS-VTL	Left, Right Side Shield
4SS-VTL	4-sided Shied
BDS-VTL	Barn Door Shield
VS-VTL	Poly Vandal Shield
WG-VTL	Wire Guard
BLS-VTL	Enhanced Backlight Shield
FSS-VTL	Front Side Shield
CSS-VTL	Cul-de-sac Shield
BSK	Bird Deterrent Spider Kit
LLPCMV	Long Life Photocontrol MV
LLPCHV	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)

1. 80CRI option only available in 3000K, 4000K & 5000K CCTs and may have longer leadtimes (contact factory).
2. 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).
3. 'TLR4U' & 'TLR4L' twist lock receptacle options requires 'D4I' driver option to be selected.   4. 'LLPC' requires 'PCR7' option to be selected (does not ship installed, included w/ luminaire).
5. 'PS' Performance Selector enables field adjustable light output control (specified Performance Code is factory set). 'PS' is not compatible w/ 'PCR7CR' option.
6. 'PND' options only available w/ 'MV' 120-277V (contact factory for 'HV' 347-480V availability).
7. Motion Sensor options only available w/ 'SPM', 'RPM', 'MAF', 'WM' and 'WMSC' mounting options. Contact factory for motion sensor and 'PCR7CR' compatibility if both are required.
8. For single or double fusing, 'XXX' must specify required voltage.

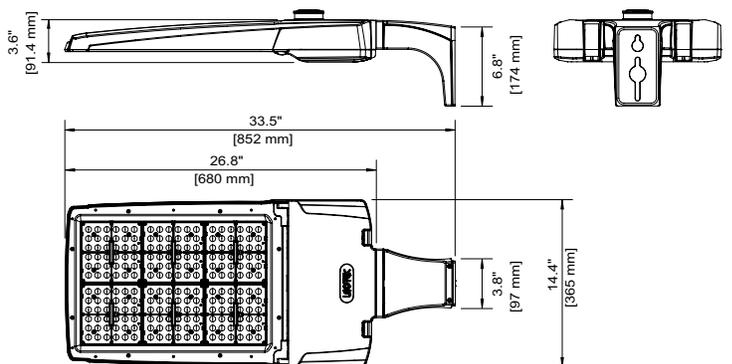## PRELIMINARY Nominal Performance Data 4000K & 5000K

All data shown is preliminary and nominal and not yet final

Performance Code	P1	P2	P3	P4	P5	P6	P7
Lumens[1] **(T2R, 70CRI)**	35,253	39,035	47,652	52,114	55,560	60,520	65,563
Field Adjustable Range[2]	←	→	←				→
System Wattage (W)	182	206	261	293	316	347	376
Efficacy (Lm/W)	194	189	183	178	176	174	174
HID Replacement	400-750W		1000W			1500W+	

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

'SPM' Square Pole Arm Mount Dimensions

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

3.6" [91.4 mm]
6.8" [174 mm]
33.5" [852 mm]
26.8" [680 mm]
3.8" [97 mm]
14.4" [365 mm]

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