

VersaTEK Medium

LED OFF-Roadway
Series



Versatility by Design

The VersaTEK Medium OFF-Roadway Series provides elite performance illumination & safety for a wide range of offset roadway, interstate highway applications & more, while significantly reducing infrastructure expenses over the installed life of the system.

Providing a safety-focused solution for the drivers on your busy roads & highways and the crews that install & maintain the luminaires year round. VersaTEK's OFF-Roadway Series performance optics with the ability to tilt for maximum coverage & uniformity makes our roads & highways safer for all during any nighttime driving condition.

Required pole counts are significantly reduced thanks to wider on-center spacing & broad multi-lane coverage. Expensive pipe & wire costs are reduced by eliminating the use of secondary pole arms. Resulting in ~70-80%+ in combined energy & maintenance savings and reduced infrastructure costs over the full installed life.

An optional tool-free removable 'Power Door' provides added safety & even more maintenance savings. All serviceable electrical components can be removed and replaced in less than 15 seconds. Keeping field maintenance time in a lift truck on a busy freeway and a pole's downtime to an absolute minimum for everyone's safety.

Key Features, Details & Specs

- 8,878 to 51,526 lumens w/ efficacies up to 189+ LPW
- True 250-750 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 only 27-29 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
- 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

Typical Applications

Interstate Highways
Municipal Streets
Toll Plazas & Weigh Stations
On/Off Ramps
Rest Areas & General Parking
Military Bases
Business Parks & Campuses
Bridges & Overpasses



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)



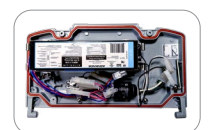
Hassle Free Installation & Maintenance Features

Optional terminal block, a self-centering tenon mount '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)



VersaTEK Medium LED OFF-Roadway Series



'MAF' mast arm fitter mount

Ordering Information

Sample Catalog No. VTMOR-144A-MV-50K7-WR-GY-P9-MAF-PCR7CR-TB-SP2-WL1-PWRD-SF277-BABA

Product*	LED Code	Voltage	Color Temp CRI	Optical Distribution	Finish*	Performance Code*	Mounting Options
VTMOR VersaTEK Medium OFF-Roadway	144A 144 LEDs Gen-A	MV 120-277V HV 347-480V	27K7 2700K, 70CRI 30K7 3000K, 70CRI 40K7 4000K, 70CRI 50K7 5000K, 70CRI	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 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 P8 P9 P10 P11 P12 P13 P14	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) 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) 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 #19 for additional details.							
						*Consult factory for custom finish options, pricing & leadtimes.	
						*Refer to spec sheet for details	

Driver* & Control Options (*0-10V drivers are standard)	General Options	General Accessories*
D4I ^{4,8} TLR4U ^{4,5,8} TLR4L ^{4,5,8} PCR7CR ^{4,10} SC LLPC ⁶ PS ⁷ PND1 ⁸ PND2 ⁸ PND3 ⁸ MSL3 ^{9,10} MSL7 ^{9,10} MSL3P ^{9,11} MSL7P ^{9,11}	AIM45 ¹³ SS TFL TB ² SP2 ¹⁴ LSSP2 WL WL1 DSC PWRD SFXXX ¹⁵ DFXXX ¹⁵ SWSO ¹⁶ SOXXYY ¹⁷ BLS ¹⁸ VHS FSS ¹⁸ CSS ¹⁸ BABA ¹⁹	Shield Accessories TBS-VTM LRS-VTM 4SS-VTM BDS-VTM VS-VTM WG-VTM BLS-VTM ¹⁸ VHS-VTM FSS-VTM ¹⁸ CSS-VTM ¹⁸ BSK Controls Accessories LLPCM/V LLPCH/V FSIR100
* See VTMOR specification sheet for LEOLink ordering & system details * (refer to LEOLink ILS specification sheets for complete specification & ordering information)		

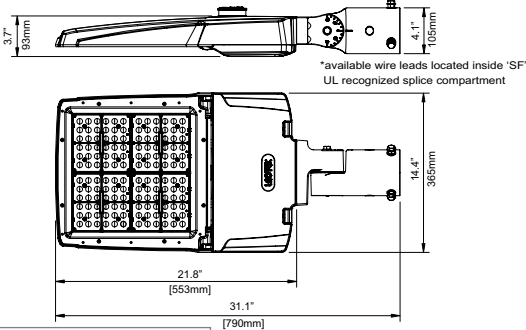
1. 80CRI option only available in 3000K, 4000K & 5000K CCTs and may have longer leadtimes (contact factory).
2. 'TB' Terminal Block is not available for use with the 'SF' Slipfitter mounting option. 3. 'SFH' & 'SFC' options include 16AWG 3-wire S/O cord w/ a 4' exit length & last 6" of insulation removed.
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/ 'N801P05/10' smart controller.
5. 'TLR4U' & 'TLR4L' twist lock receptacle options require 'D4I' driver option to be selected.
6. 'LLPC' requires 'PCR7CR' option to be selected (does not ship installed, 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. Motion Sensor options only available w/ 'SPM', 'RPM' and 'MAF' horizontal mounting options.
10. '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).
11. '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).
12. 'N801P05/10' requires 'PCR7CR' option, only available in 'MV' 120-277V (contact factory for 'HV' 347-480V). 'N801P05/10' is a cellular based NEMA 7-PIN Smart Controller, RenAI subscription and network data plan required (see spec sheet for details).
13. Slipfitter options 'SF', 'SFC', 'SFH' ship pre-aimed at 45° from the factory if 'AIM45' is specified. 14. 10kV/5kA surge, fail-to-on is included standard ('SP1'). 15. For single or double fusing, 'XXX' must specify required voltage.
16. 'SWSO' only available with 'SFC' & 'SFH' options. Not available w/ 'PCR7CR', 'PS', 'PND', 'D4I', 'TLR4U', 'TLR4L' options. 17. 'SOXXYY' option, 'XX' & 'YY' must specify S/O cord AWG & length (only available w/ S/O cord mounting options).
18. 'BLS-VTM', 'FSS-VTM' and 'CSS-VTM' shields are not available for use with the 'T5' Type-5 optical distribution.
19. '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, 25°C ambient)

Performance Code	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14
Lumens ¹	11,104	14,248	17,389	20,660	23,688	26,647	29,537	32,357	35,083	37,908	42,047	44,741	47,383	51,249
System Wattage (W)	59	77	94	111	126	143	160	178	203	219	242	260	279	307
Efficacy (lm/W)	188	185	185	186	188	186	185	182	173	173	174	172	170	167
HID Replacement	150W	175W	250W						400-750W					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 'PCR7CR')



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