

VersaTEK Small LED Floodlight Series

VTSFL Specification Data Sheet

Luminaire Data

Weight	21.3 lbs [9.7 kg] ('SF', 'SFH', 'SFC' mount)
	23.5 lbs [10.7 kg] ('TR' mount)
	20.9 lbs [9.5 kg] ('YK' mount)
	25.1 lbs [11.4 kg] ('AWM' mount)
	28.6 lbs [13.0 kg] ('AWMSC' mount)
	20.7 lbs [9.4 kg] ('ASPM' mount)
	21.3 lbs [9.7 kg] ('ARPM' mount)



(*VTSFL small housing w/ 'SF' slipfitter mount & optional 'PCR7CR' shown)

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 72A 36 or 72 LEDs Gen-A	MV 120-277V HV 347-480V	27K7 2700K, 70CRI 30K7 3000K, 70CRI 40K7 4000K, 70CRI 50K7 5000K, 70CRI 30K8¹ 3000K, 80CRI 40K8¹ 4000K, 80CRI 50K8¹ 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 P8 P9* P10 **36A' is P9 max (see pages 3-4 for details)	SF² Slipfitter w/ Wire Leads (in UL splice compartment) SFH³ Slipfitter w/ S/O Cord Exiting Housing Bottom (3-wire S/O cord, 16AWG, 4' exit length) SFC³ Slipfitter w/ S/O Cord Exiting Center of Fitter (3-wire S/O cord, 16AWG, 4' exit length) TR³ Trunnion Mount (3-wire S/O cord, 16AWG, 4' exit length) YK³ 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
*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)	General Options	General Accessories*
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) LLPC⁶ Long Life Photocontrol PS⁷ Field Adjustable Performance Selector PND1⁸ Part Night Dimming V1 PND2⁸ Part Night Dimming V2 PND3⁸ Part Night Dimming V3 LEOLink ILS™ Intelligent Lighting System⁹ * See pg.11 for additional LEOLink ordering & system details * (refer to LEOLink ILS specification sheets for complete specification & ordering information)	AIM45¹⁰ Slipfitter Factory Pre-aimed at 45° SS Slipfitter Set Screw (replaces standard slipfitter set bolts) TFL Tamper free latch (driver electrical door) TB³ 3-position Terminal Block SP2¹¹ 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) SFXXX¹² Single Fuse ('XXX' = specify voltage 120, 277, 347V) DFXXX¹² Double Fuse ('XXX' = specify voltage 208, 240, 480V) 5WSO¹³ 5-wire S/O Cord (16AWG, 4' length w/ dimming leads) SOXXYY¹⁴ 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) BABA¹⁵ BABA Domestic Build Option Build America, Buy America Act Compliant (meets Oct. 1, 2026 final US assembly, 55% content material requirements)	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 (see pg.5 for details).

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 pg. 11 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).



Luminaire Specifications

Housing & Construction

Rugged grade A360 die-cast aluminum housing, glass lens frame and door frame (<0.6% copper). Housing includes integral heatsink fins and (3) pass-thru convective cooling slots between the LED array heatsink and driver compartment for enhanced cooling and maximum thermal management to maximize LED platform and electrical component lifetime. Electrical access door provides access to electrical components via two corrosion resistant stainless-steel tool-free latches (tamper free latch option 'TFL' is available). Door can be removed without the use of tools. Electrical door comes standard with an integral VersaKICK 'kickstand' to quickly and easily prop open the door to allow for frustration free installation or maintenance. Optional 'PWRD' Power Door mounts all serviceable electrical components on the door with tool-free removal for easy field maintenance or replacement. Internal bubble level standard for leveling during install. All exposed hardware and fasteners are corrosion resistant stainless-steel. Entire luminaire is IP66 rated.

Flood & Wall Mounting Options

Trunnion 'TR' and yoke 'YK' mounting options are constructed of formed steel. (3) adjustable slipfitter mounting options 'SF', 'SFC' and 'SFH' are rugged A360 die-cast aluminum and includes safety thru-bolt detail if required. Slipfitter 'AIM45' option ships factory preset to a tilt of 45°. Self-centering design feature also assists with leveling during installation. Designed to install to 1-5/8", 2-3/8" and 3" O.D. tenons (by others). Available in (3) wiring configurations ('SF' includes available wire leads accessed via an integral UL recognized splice compartment, 'SFC' and 'SFH' options include S/O cord exiting the center of the slipfitter or housing bottom). Standard S/O cord configurations ('TR', 'YK', 'SFH', 'SFC') are 16AWG 3-wire with an exit length of 4' and last 6" of weatherproof covering removed. Additional wire gauges and lengths available (see 'Ordering Information' for details). Adjustable wall mount 'AWM' options mount to recessed 3" and 4" square or octagonal recessed J-boxes (by others). Surface conduit wall mount option 'AWMSC' includes (4) 3/4" NPT thru-wire taps with plugs. All wall mount options include an integral bubble level for ease of installation. Universal/retrofit adjustable square 'ASPM', adjustable round 'ARPM' arm mount options can accept bolt spacings from 2.29" to 5.25" and are designed for quick and easy single person installation. Mounting provisions meet 3G vibration per ANSI C136.31-2010 Normal Application, Bridge & Overpass.

Color Specifications

Order Code	Color	RAL #	Pantone Equivalent
GY	Gray	7040	429C
BK	Black	9004	BLACK 6C
DB1	Dark Bronze	8019	412
WH	White	9003	11-0601

Light Emitting Diodes

Hi-flux/Hi-power 5050 LEDs provide 90% lumen maintenance (L90) at 95,000 hours for '72A' optics and at 86,500 hours for '36A' optics (at 25°C per IES TM-21). All 3535 LED optics deliver L90 at 118,000 hours. LEDs are tested in accordance with IES LM-80 testing procedures. IES TM-21 lumen maintenance life projection is based on 6X the duration of the LED's IES LM-80 performance data (estimates beyond 6X are extrapolated per TM-21). Available CCTs are 2700K, 3000K, 4000K, 5000K at 70 CRI or 80 CRI (2700K is 70 CRI only). LEDs are 100% mercury and lead free.

Optical Systems

All Micro-lens optical systems are fully sealed to maintain an IP66 rating. All-purpose 5050 LED flood optics include a NEMA 6x6 Wide Flood 'N66' and NEMA 3x3 Spot 'S33'. Performance 3535 LED flood optics include a Narrow Spot 'NSP', Rectangular Narrow 'RN', Rectangular Medium 'RM', Rectangular Wide 'RW', Wall Grazer 'WG'. Please refer to 'Performance Data' on pages 3-4 for specific beam & optical performance details. An IK10 impact resistant glass lens is standard for ease of routine cleaning and improved light loss dirt depreciation over the life of the luminaire. Multiple glare and light trespass shielding options and accessories are available (see 'Ordering Information' for details).

Photometry

Luminaires photometrics are tested by certified independent testing laboratories in accordance with IES LM-79 testing procedures.

Electrical

Rated life of electrical components is 100,000 hours. Standard 0-10V dimmable drivers use an isolated power supply with 6kV integral surge standard. Power supply features a minimum power factor of 0.90 and <20% Total Harmonic Distortion (THD). EMC meets or exceeds FCC CFR Part 15. Optional DALI D4i certified LED drivers also available, which complies with IEC 62386 and ANSI C137.4 and DiA. Optional 3-position terminal block accommodates 6 to 16AWG wire. Standard surge protection (10kV/5kA Surge, Fail-to-On) complies with IEEE/ANSI C62.41 and ANSI C136.2-2015. Optional 'SP2' and 'LSSP2' provides (20kV/10kA) extreme level surge protection.

Field Adjustability

Optional Performance Selector 'PS' is an integral 8-step fixed position dial allowing field adjustable lumen and wattage dimming control for added project and design versatility to meet installation specific requirements. The specified Performance Code provides the maximum lumen output. Only compatible with VersaTEK's standard 0-10V drivers. Not compatible with DALI driver option.

General Control Options

ANSI C136.41 7-wire controls ready photocontrol receptacle 'PCR7CR' option available for use with LEOLink nodes or by others. Receptacle has a tool-less rotatable base with a positive lock to not allow over-rotation and possible damage to the receptacle. Optional DALI D4i and Part Night Dimming driver configurations are also available for added controllability and design flexibility. DALI compatible 'TLR4U' and 'TLR4L' 4-PIN twist lock receptacle options available (wireless DALI nodes or DALI sensors are by others).

LEOLink Intelligent Lighting System

ANSI C136.41 7-wire smart wireless controllers allow real-time monitoring and asset management of luminaires with 'NB01P05/10' wireless control nodes installed. RenAI cloud-based application receives system data while applying specific AI models for fault isolation and the resolution of voltage health, outages, knockdowns, energy usage, LED faults and more. Allows for full remote management of the luminaire, including the ability to store and execute customer specific schedules and performance parameters. System communicates via standard 4G/5G IoT networks with a cellular data plan and RenAI subscription.

Finish

Housing receives a fade and abrasion resistant textured polyester powder coat finish with 3.0 mil nominal thickness. Finish tested to withstand 5000 hours in salt spray exposure per ASTM B117 and Coastal Finish per ASTM G85. Finish tested 500 hours in UV exposure per ASTM G154 and meets ASTM D523 gloss retention.

Listings/Ratings/Labels

Luminaires are UL listed for use in wet locations in the United States and Canada and are rated IP66. Luminaires are qualified to operate at ambient temperatures of -40°C to 50°C. (-40°F to 122°F)

Government Procurement Compliance

BAA- Buy America(n) Act: All LEOTEK luminaires qualify as a "Domestic End Product" per the Buy American Act as governed by FAR and DFARS.

BABA- Build America Buy America: All LEOTEK luminaires ordered with the 'BABA' option code are compliant per the Federal Highway Administration (FHWA).

Quality Control

Every luminaire is assembled in the USA and is performance tested before and after a 2-hour burn-in period.

Warranty

10-year limited warranty is standard on luminaire and components. LEOLink Controllers can be specified with 5-year and 10-year limited warranties. See LEOTEK.com for warranty details, terms and conditions.

Standards

Luminaire complies with:

ANSI: C136.2, C136.3, C136.10, C136.13, C136.15, C136.22, C136.31, C136.35, C136.37, C136.41, C62.41, C78.377, C82.77

Other: FCC 47 CFR, IEC 60598, ROHS II, UL 1449, UL 1598

Performance Data* (70CRI*, 25°C ambient...*for 80CRI option use a 0.91 multiplier)
 Normal tolerance +/- 10% due to factors that include distribution type, LED bin variance and ambient temperatures.

36A 5050LED

Perf. Code	System Wattage (W)	Optic	Beam Angle (50%)		Field Angle (10%)		27K7 (2700K CCT, 70CRI)			30K7 (3000K CCT, 70CRI)			40K7 (4000K CCT, 70CRI)			50K7 (5000K CCT, 70CRI)			LLD @ 25°C		
			°H	°V	°H	°V	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD	50K Hours	75K Hours	100K Hours
P1	30	N66	101.5	87.9	122	106.9	4,641	155.0	1,915	4,967	166.0	2,049	5,198	173.0	2,144	5,198	173.0	2,144	0.979	0.972	0.965
		S33	24.3	24.8	38.6	39.4	4,357	145.0	14,328	4,662	155.0	15,332	4,879	163.0	16,046	4,879	163.0	16,046	0.979	0.972	0.965
P2	39	N66	101.5	87.9	122	106.9	5,987	154.0	2,470	6,407	164.0	2,643	6,706	172.0	2,766	6,706	172.0	2,766	0.979	0.972	0.965
		S33	24.3	24.8	38.6	39.4	5,620	144.0	18,483	6,014	154.0	19,779	6,295	161.0	20,701	6,295	161.0	20,701	0.979	0.972	0.965
P3	49	N66	101.5	87.9	122	106.9	7,296	149.0	3,010	7,808	159.0	3,221	8,172	167.0	3,371	8,172	167.0	3,371	0.942	0.919	0.896
		S33	24.3	24.8	38.6	39.4	6,849	140.0	22,525	7,329	150.0	24,104	7,671	157.0	25,227	7,671	157.0	25,227	0.942	0.919	0.896
P4	59	N66	101.5	87.9	122	106.9	8,568	145.0	3,534	9,168	155.0	3,782	9,595	163.0	3,958	9,595	163.0	3,958	0.942	0.919	0.896
		S33	24.3	24.8	38.6	39.4	8,042	136.0	26,449	8,606	146.0	28,303	9,007	153.0	29,621	9,007	153.0	29,621	0.942	0.919	0.896
P5	68	N66	101.5	87.9	122	106.9	9,801	144.0	4,043	10,489	154.0	4,327	10,977	161.0	4,528	10,977	161.0	4,528	0.942	0.919	0.896
		S33	24.3	24.8	38.6	39.4	9,201	135.0	30,258	9,846	145.0	32,379	10,304	152.0	33,887	10,304	152.0	33,887	0.942	0.919	0.896
P6	77	N66	101.5	87.9	122	106.9	10,998	143.0	4,537	11,769	153.0	4,855	12,317	160.0	5,081	12,317	160.0	5,081	0.942	0.919	0.896
		S33	24.3	24.8	38.6	39.4	10,324	134.0	33,952	11,048	143.0	36,333	11,562	150.0	38,025	11,562	150.0	38,025	0.942	0.919	0.896
P7	86	N66	101.5	87.9	122	106.9	12,157	141.0	5,015	13,009	151.0	5,367	13,615	158.0	5,617	13,615	158.0	5,617	0.942	0.919	0.896
		S33	24.3	24.8	38.6	39.4	11,412	133.0	37,529	12,212	142.0	40,161	12,781	149.0	42,031	12,781	149.0	42,031	0.942	0.919	0.896
P8	97	N66	101.5	87.9	122	106.9	13,279	137.0	5,478	14,209	146.0	5,862	14,871	153.0	6,135	14,871	153.0	6,135	0.934	0.911	0.888
		S33	24.3	24.8	38.6	39.4	12,465	129.0	40,992	13,338	138.0	43,866	13,960	144.0	45,909	13,960	144.0	45,909	0.934	0.911	0.888
P9	106	N66	101.5	87.9	122	106.9	14,363	135.0	5,925	15,370	145.0	6,341	16,086	152.0	6,636	16,086	152.0	6,636	0.934	0.911	0.888
		S33	24.3	24.8	38.6	39.4	13,483	127.0	44,340	14,428	136.0	47,448	15,100	142.0	49,658	15,100	142.0	49,658	0.934	0.911	0.888

36A 3535LED

Perf. Code	System Wattage (W)	Optic	Beam Angle (50%)		Field Angle (10%)		27K7 (2700K CCT, 70CRI)			30K7 (3000K CCT, 70CRI)			40K7 (4000K CCT, 70CRI)			50K7 (5000K CCT, 70CRI)			LLD @ 25°C		
			°H	°V	°H	°V	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD	50K Hours	75K Hours	100K Hours
P1	35	NSP	15.7	15.8	33.5	33.6	4,916	140.0	35,803	5,243	150.0	38,188	5,571	159.0	40,574	5,571	159.0	40,574	0.963	0.94	0.916
		RN	66.4	20.3	97.6	40.7	4,718	135.0	8,430	5,032	144.0	8,992	5,346	153.0	9,553	5,346	153.0	9,553	0.963	0.94	0.916
		RM	77.3	32.8	128	56.4	4,628	132.0	4,777	4,936	141.0	5,095	5,245	150.0	5,413	5,245	150.0	5,413	0.963	0.94	0.916
		RW	86.5	49.5	139	105.9	4,495	128.0	3,430	4,795	137.0	3,658	5,094	146.0	3,887	5,094	146.0	3,887	0.963	0.94	0.916
		WG	101.1	33.2	147.1	93	4,548	130.0	3,765	4,851	139.0	4,015	5,154	147.0	4,266	5,154	147.0	4,266	0.963	0.94	0.916
P2	42	NSP	15.7	15.8	33.5	33.6	5,755	137.0	41,913	6,138	146.0	44,706	6,522	155.0	47,499	6,522	155.0	47,499	0.963	0.94	0.916
		RN	66.4	20.3	97.6	40.7	5,523	131.0	9,869	5,891	140.0	10,526	6,259	149.0	11,184	6,259	149.0	11,184	0.963	0.94	0.916
		RM	77.3	32.8	128	56.4	5,418	129.0	5,592	5,779	138.0	5,965	6,140	146.0	6,337	6,140	146.0	6,337	0.963	0.94	0.916
		RW	86.5	49.5	139	105.9	5,262	125.0	4,015	5,613	134.0	4,283	5,964	142.0	4,550	5,964	142.0	4,550	0.963	0.94	0.916
		WG	101.1	33.2	147.1	93	5,324	127.0	4,407	5,679	135.0	4,701	6,033	144.0	4,994	6,033	144.0	4,994	0.963	0.94	0.916
P3	49	NSP	15.7	15.8	33.5	33.6	6,570	134.0	47,854	7,008	143.0	51,043	7,446	152.0	54,231	7,446	152.0	54,231	0.963	0.94	0.916
		RN	66.4	20.3	97.6	40.7	6,305	129.0	11,267	6,726	137.0	12,018	7,146	146.0	12,769	7,146	146.0	12,769	0.963	0.94	0.916
		RM	77.3	32.8	128	56.4	6,186	126.0	6,385	6,598	135.0	6,810	7,010	143.0	7,236	7,010	143.0	7,236	0.963	0.94	0.916
		RW	86.5	49.5	139	105.9	6,008	123.0	4,584	6,409	131.0	4,890	6,809	139.0	5,195	6,809	139.0	5,195	0.963	0.94	0.916
		WG	101.1	33.2	147.1	93	6,079	124.0	5,032	6,484	132.0	5,367	6,889	141.0	5,702	6,889	141.0	5,702	0.963	0.94	0.916
P4	58	NSP	15.7	15.8	33.5	33.6	7,362	127.0	53,619	7,853	135.0	57,192	8,343	144.0	60,765	8,343	144.0	60,765	0.963	0.94	0.916
		RN	66.4	20.3	97.6	40.7	7,065	122.0	12,625	7,536	130.0	13,466	8,007	138.0	14,307	8,007	138.0	14,307	0.963	0.94	0.916
		RM	77.3	32.8	128	56.4	6,931	120.0	7,154	7,393	127.0	7,631	7,855	135.0	8,107	7,855	135.0	8,107	0.963	0.94	0.916
		RW	86.5	49.5	139	105.9	6,732	116.0	5,137	7,181	124.0	5,479	7,629	132.0	5,821	7,629	132.0	5,821	0.963	0.94	0.916
		WG	101.1	33.2	147.1	93	6,811	117.0	5,638	7,265	125.0	6,014	7,719	133.0	6,389	7,719	133.0	6,389	0.963	0.94	0.916
P5	66	NSP	15.7	15.8	33.5	33.6	8,256	125.0	60,131	8,806	133.0	64,137	9,356	142.0	68,144	9,356	142.0	68,144	0.963	0.94	0.916
		RN	66.4	20.3	97.6	40.7	7,923	120.0	14,158	8,451	128.0	15,101	8,979	136.0	16,045	8,979	136.0	16,045	0.963	0.94	0.916
		RM	77.3	32.8	128	56.4	7,773	118.0	8,023	8,291	126.0	8,557	8,809	133.0	9,092	8,809	133.0	9,092	0.963	0.94	0.916
		RW	86.5	49.5	139	105.9	7,550	114.0	5,760	8,053	122.0	6,144	8,556	130.0	6,528	8,556	130.0	6,528	0.963	0.94	0.916
		WG	101.1	33.2	147.1	93	7,638	116.0	6,323	8,147	123.0	6,744	8,656	131.0	7,165	8,656	131.0	7,165	0.963	0.94	0.916
P6	72	NSP	15.7	15.8	33.5	33.6	8,997	125.0	65,526	9,596	133.0	69,893	10,196	142.0	74,259	10,196	142.0	74,259	0.963	0.94	0.916
		RN	66.4	20.3	97.6	40.7	8,634	120.0	15,428	9,209	128.0	16,457	9,785	136.0	17,485	9,785	136.0	17,485	0.963	0.94	0.916
		RM	77.3	32.8	128	56.4	8,470	118.0	8,743	9,035	125.0	9,325	9,599	133.0	9,908	9,599	133.0	9,908	0.963	0.94	0.916
		RW	86.5	49.5	139	105.9	8,227	114.0	6,277	8,775	122.0	6,696	9,324	129.0	7,114	9,324	129.0	7,114	0.963	0.94	0.916
		WG	101.1	33.2	147.1	93	8,323	116.0	6,890	8,878	123.0	7,349	9,433	131.0	7,808	9,433	131.0	7,808	0.963	0.94	0.916
P7	79	NSP	15.7	15.8	33.5	33.6	9,714	123.0	70,747	10,361	131.0	75,461	11,008	139.0	80,175	11,008	139.0	80,175	0.963	0.94	0.916
		RN	66.4	20.3	97.6	40.7	9,322	118.0	16,658	9,943	126.0	17,768	10,564	134.0	18,878	10,564	134.0	18,878	0.963	0.94	0.916
		RM	77.3	32.8	128	56.4	9,145	116.0	9,439	9,754	123.0	10,068	10,364	131.0	10,697	10,364	131.0	10,697	0.963	0.94	0.916
		RW	86.5	49.5	139	105.9	8,882	112.0	6,777	9,474	120.0	7,229	10,066	127.0	7,681	10,066	127.0	7,681	0.963	0.94	0.916
		WG	101.1	33.2	147.1	93	8,986	114.0	7,439	9,585	121.0	7,935	10,184	129.0	8,430	10,184	129.0	8,430	0.963	0.94	0.916
P8	86	NSP	15.7	15.8	33.5	33.6	10,407	121.0	75,798	11,101	129.0	80,849	11,794	137.0	85,899	11,794	137.0	85,899	0.963	0.94	0.916
		RN	66.4	20.3	97.6	40.7	9,988	116.0	17,847	10,653	124.0	19,036	11,319	132.0	20,225	11,319	132.0	20,225	0.963	0.94	0.916
		RM	77.3	32.8	128	56.4	9,798	114.0	10,113	10,451	122.0	10,787	11,104	129.0	11,461	11,104	129.0	11,461	0.963	0.94	0.916
		RW	86.5	49.5	139	105.9	9,517	111.0	7,261	10,151	118.0	7,745	10,785	125.0	8,229	10,785	125.0	8,229	0.963	0.94	0.916
		WG	101.1	33.2	147.1	93	9,628	112.0	7,970	10,270	119.0	8,501	10,911	127.0	9,032	10,911	127.0	9,032	0.963	0.94	0.916
P9	93	NSP	15.7	15.8	33.5	33.6	11,077	119.0	80,680	11,816	127.0	86,056	12,554	135.0	91,432	12,554	135.0	91,432	0.963	0.94	0.916
		RN	66.4	20.3	97.6	40.7	10,631	114.0	18,996	11,339	122.0	20,262	12,048	130.0	21,528	12,048	130.0	21,528	0.963	0.94	0.916
		RM	77.3	32.8	128	56.4	10,429	112.0	10,764	11,124	120.0	11,482	11,819	127.0	12,199	11,819	127.0	12,199	0.963	0.94	0.916
		RW	86.5	49.5	139	105.9	10,130	109.0	7,729	10,805	116.0	8,244	11,480	123.0	8,759	11,480	123.0	8,759	0.963	0.94	0.916
		WG	101.1	33.2	147.1	93	10,248	110.0	8,483	10,931	118.0	9,049	11,614	125.0	9,614	11,614	125.0	9,614	0.963	0.94	0.916

Performance Data* (70CRI*, 25°C ambient...*for 80CRI option use a 0.91 multiplier)

Normal tolerance +/- 10% due to factors that include distribution type, LED bin variance and ambient temperatures.

72A 5050LED

Perf. Code	System Wattage (W)	Optic	Beam Angle (50%)		Field Angle (10%)		27K7 (2700K CCT, 70CRI)			30K7 (3000K CCT, 70CRI)			40K7 (4000K CCT, 70CRI)			50K7 (5000K CCT, 70CRI)			LLD @ 25°C		
			°H	°V	°H	°V	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD	50K Hours	75K Hours	100K Hours
P1	74	N66	100.2	87.6	117.7	106.5	11,811	160.0	4,942	12,639	171.0	5,289	13,227	179.0	5,535	13,227	179.0	5,535	0.979	0.972	0.965
		S33	24.3	24.6	38.5	39.1	10,553	143.0	35,963	11,293	153.0	38,484	11,819	160.0	40,277	11,819	160.0	40,277	0.979	0.972	0.965
P2	83	N66	100.2	87.6	117.7	106.5	13,135	158.0	5,496	14,055	169.0	5,882	14,710	177.0	6,156	14,710	177.0	6,156	0.979	0.972	0.965
		S33	24.3	24.6	38.5	39.1	11,736	141.0	39,994	12,559	151.0	42,798	13,144	158.0	44,791	13,144	158.0	44,791	0.979	0.972	0.965
P3	92	N66	100.2	87.6	117.7	106.5	14,444	157.0	6,044	15,457	168.0	6,468	16,177	176.0	6,769	16,177	176.0	6,769	0.942	0.919	0.896
		S33	24.3	24.6	38.5	39.1	12,906	140.0	43,982	13,811	150.0	47,065	14,454	157.0	49,257	14,454	157.0	49,257	0.942	0.919	0.896
P4	101	N66	100.2	87.6	117.7	106.5	15,742	156.0	6,587	16,845	167.0	7,049	17,630	175.0	7,377	17,630	175.0	7,377	0.942	0.919	0.896
		S33	24.3	24.6	38.5	39.1	14,066	139.0	47,933	15,052	149.0	51,293	15,753	156.0	53,682	15,753	156.0	53,682	0.942	0.919	0.896
P5	109	N66	100.2	87.6	117.7	106.5	17,026	156.0	7,125	18,219	167.0	7,624	19,068	175.0	7,979	19,068	175.0	7,979	0.942	0.919	0.896
		S33	24.3	24.6	38.5	39.1	15,213	140.0	51,843	16,280	149.0	55,478	17,038	156.0	58,061	17,038	156.0	58,061	0.942	0.919	0.896
P6	117	N66	100.2	87.6	117.7	106.5	18,297	156.0	7,657	19,580	167.0	8,193	20,491	175.0	8,575	20,491	175.0	8,575	0.942	0.919	0.896
		S33	24.3	24.6	38.5	39.1	16,349	140.0	55,713	17,495	150.0	59,619	18,310	156.0	62,396	18,310	156.0	62,396	0.942	0.919	0.896
P7	126	N66	100.2	87.6	117.7	106.5	19,555	155.0	8,183	20,926	166.0	8,757	21,900	174.0	9,164	21,900	174.0	9,164	0.942	0.919	0.896
		S33	24.3	24.6	38.5	39.1	17,473	139.0	59,543	18,698	148.0	63,717	19,568	155.0	66,685	19,568	155.0	66,685	0.942	0.919	0.896
P8	135	N66	100.2	87.6	117.7	106.5	20,800	154.0	8,704	22,258	165.0	9,314	23,295	173.0	9,748	23,295	173.0	9,748	0.942	0.919	0.896
		S33	24.3	24.6	38.5	39.1	18,586	138.0	63,335	19,889	147.0	67,776	20,815	154.0	70,932	20,815	154.0	70,932	0.942	0.919	0.896
P9	144	N66	100.2	87.6	117.7	106.5	22,032	153.0	9,220	23,577	164.0	9,866	24,675	171.0	10,326	24,675	171.0	10,326	0.942	0.919	0.896
		S33	24.3	24.6	38.5	39.1	19,687	137.0	67,088	21,067	146.0	71,791	22,048	153.0	75,135	22,048	153.0	75,135	0.942	0.919	0.896
P10	155	N66	100.2	87.6	117.7	106.5	23,252	150.0	9,730	24,882	161.0	10,412	26,040	168.0	10,897	26,040	168.0	10,897	0.942	0.919	0.896
		S33	24.3	24.6	38.5	39.1	20,776	134.0	70,800	22,232	143.0	75,764	23,268	150.0	79,292	23,268	150.0	79,292	0.942	0.919	0.896

72A 3535LED

Perf. Code	System Wattage (W)	Optic	Beam Angle (50%)		Field Angle (10%)		27K7 (2700K CCT, 70CRI)			30K7 (3000K CCT, 70CRI)			40K7 (4000K CCT, 70CRI)			50K7 (5000K CCT, 70CRI)			LLD @ 25°C		
			°H	°V	°H	°V	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD	50K Hours	75K Hours	100K Hours
P1	50	NSP	15.8	16.1	33.5	33.5	7,270	145.0	52,890	7,755	155.0	56,414	8,239	165.0	59,938	8,239	165.0	59,938	0.963	0.94	0.916
		RN	66.3	20.6	97.2	40.4	7,065	141.0	12,801	7,535	151.0	13,654	8,006	160.0	14,507	8,006	160.0	14,507	0.963	0.94	0.916
		RM	77.1	32.8	125	55.5	6,746	135.0	7,120	7,196	144.0	7,595	7,645	153.0	8,069	7,645	153.0	8,069	0.963	0.94	0.916
		RW	86.5	49.6	132.9	104.9	6,599	132.0	5,098	7,039	141.0	5,437	7,479	150.0	5,777	7,479	150.0	5,777	0.963	0.94	0.916
		WG	100.3	33	144.3	88.7	6,660	133.0	5,632	7,103	142.0	6,007	7,547	151.0	6,383	7,547	151.0	6,383	0.963	0.94	0.916
P2	59	NSP	15.8	16.1	33.5	33.5	8,461	143.0	61,554	9,025	153.0	65,656	9,589	163.0	69,758	9,589	163.0	69,758	0.963	0.94	0.916
		RN	66.3	20.6	97.2	40.4	8,222	139.0	14,898	8,770	149.0	15,891	9,318	158.0	16,884	9,318	158.0	16,884	0.963	0.94	0.916
		RM	77.1	32.8	125	55.5	7,852	133.0	8,287	8,375	142.0	8,839	8,898	151.0	9,391	8,898	151.0	9,391	0.963	0.94	0.916
		RW	86.5	49.6	132.9	104.9	7,680	130.0	5,933	8,192	139.0	6,328	8,704	148.0	6,724	8,704	148.0	6,724	0.963	0.94	0.916
		WG	100.3	33	144.3	88.7	7,751	131.0	6,555	8,267	140.0	6,992	8,784	149.0	7,428	8,784	149.0	7,428	0.963	0.94	0.916
P3	71	NSP	15.8	16.1	33.5	33.5	9,904	139.0	72,050	10,564	149.0	76,851	11,224	158.0	81,652	11,224	158.0	81,652	0.963	0.94	0.916
		RN	66.3	20.6	97.2	40.4	9,624	136.0	17,438	10,265	145.0	18,601	10,907	154.0	19,763	10,907	154.0	19,763	0.963	0.94	0.916
		RM	77.1	32.8	125	55.5	9,190	129.0	9,700	9,803	138.0	10,346	10,415	147.0	10,992	10,415	147.0	10,992	0.963	0.94	0.916
		RW	86.5	49.6	132.9	104.9	8,990	127.0	6,945	9,589	135.0	7,407	10,188	143.0	7,870	10,188	143.0	7,870	0.963	0.94	0.916
		WG	100.3	33	144.3	88.7	9,072	128.0	7,672	9,677	136.0	8,184	10,281	145.0	8,695	10,281	145.0	8,695	0.963	0.94	0.916
P4	82	NSP	15.8	16.1	33.5	33.5	11,297	138.0	82,182	12,050	147.0	87,659	12,802	156.0	93,135	12,802	156.0	93,135	0.963	0.94	0.916
		RN	66.3	20.6	97.2	40.4	10,977	134.0	19,891	11,709	143.0	21,216	12,440	152.0	22,542	12,440	152.0	22,542	0.963	0.94	0.916
		RM	77.1	32.8	125	55.5	10,483	128.0	11,064	11,181	136.0	11,801	11,880	145.0	12,538	11,880	145.0	12,538	0.963	0.94	0.916
		RW	86.5	49.6	132.9	104.9	10,254	125.0	7,921	10,937	133.0	8,449	11,621	142.0	8,977	11,621	142.0	8,977	0.963	0.94	0.916
		WG	100.3	33	144.3	88.7	10,348	126.0	8,751	11,038	135.0	9,335	11,727	143.0	9,918	11,727	143.0	9,918	0.963	0.94	0.916
P5	93	NSP	15.8	16.1	33.5	33.5	12,640	136.0	91,951	13,482	145.0	98,078	14,324	154.0	104,206	14,324	154.0	104,206	0.963	0.94	0.916
		RN	66.3	20.6	97.2	40.4	12,282	132.0	22,255	13,101	141.0	23,738	13,919	150.0	25,221	13,919	150.0	25,221	0.963	0.94	0.916
		RM	77.1	32.8	125	55.5	11,729	126.0	12,379	12,510	135.0	13,204	13,292	143.0	14,028	13,292	143.0	14,028	0.963	0.94	0.916
		RW	86.5	49.6	132.9	104.9	11,473	123.0	8,863	12,237	132.0	9,453	13,002	140.0	10,044	13,002	140.0	10,044	0.963	0.94	0.916
		WG	100.3	33	144.3	88.7	11,578	124.0	9,792	12,350	133.0	10,444	13,121	141.0	11,097	13,121	141.0	11,097	0.963	0.94	0.916
P6	102	NSP	15.8	16.1	33.5	33.5	13,677	134.0	99,498	14,588	143.0	106,128	15,500	152.0	112,758	15,500	152.0	112,758	0.963	0.94	0.916
		RN	66.3	20.6	97.2	40.4	13,290	130.0	24,082	14,176	139.0	25,686	15,062	148.0	27,291	15,062	148.0	27,291	0.963	0.94	0.916
		RM	77.1	32.8	125	55.5	12,691	124.0	13,395	13,537	133.0	14,287	14,383	141.0	15,180	14,383	141.0	15,180	0.963	0.94	0.916
		RW	86.5	49.6	132.9	104.9	12,414	122.0	9,590	13,242	130.0	10,229	14,069	138.0	10,868	14,069	138.0	10,868	0.963	0.94	0.916
		WG	100.3	33	144.3	88.7	12,528	123.0	10,595	13,363	131.0	11,301	14,198	139.0	12,007	14,198	139.0	12,007	0.963	0.94	0.916
P7	110	NSP	15.8	16.1	33.5	33.5	14,682	133.0	106,809	15,660	142.0	113,927	16,639	151.0	121,044	16,639	151.0	121,044	0.963	0.94	0.916
		RN	66.3	20.6	97.2	40.4	14,267	130.0	25,851	15,218	138.0	27,574	16,168	147.0	29,297	16,168	147.0	29,297	0.963	0.94	0.916
		RM	77.1	32.8	125	55.5	13,624	124.0	14,379	14,532	132.0	15,337	15,440	140.0	16,295	15,440	140.0	16,295	0.963	0.94	0.916
		RW	86.5	49.6	132.9	104.9	13,327	121.0	10,295	14,215	129.0	10,981	15,103	137.0	11,667	15,103	137.0	11,667	0.963	0.94	0.916
		WG	100.3	33	144.3	88.7	13,449	122.0	11,374	14,345	130.0	12,132	15,242	139.0	12,890	15,242	139.0	12,890	0.963	0.94	0.916
P8	119	NSP	15.8	16.1	33.5	33.5	15,655	132.0	113,885	16,698	140.0	121,474	17,741	149.0	129,063	17,741	149.0	129,063	0.963	0.94	0.916
		RN	66.3	20.6	97.2	40.4	15,212	128.0	27,564	16,226	136.0	29,401	17,239	145.0	31,237	17,239	145.0	31,237	0.963	0.94	0.916
		RM	77.1	32.8	125	55.5	14,527	122.0	15,332	15,495	130.0	16,353	16,463	138.0	17,375	16,463	138.0	17,375	0.963	0.94	0.916
		RW	86.5	49.6	132.9	104.9	14,210	119.0	10,977	15,156	127.0	11,708	16,103	135.0	12,440	16,103	135.0	12,440	0.963	0.94	0.916
		WG	100.3	33	144.3	88.7	14,340	121.0	12,127	15,296	129.0	12,936	16,251	137.0	13,744	16,251	137.0	13,744	0.963	0.94	0.916
P9	128	NSP	15.8	16.1	33.5	33.5	16,596	130.0	120,732	17,702	138.0	128,777	18,808	147.0	136,822	18,808	147.0	136,822	0.963	0.94	0.916
		RN	66.3	20.6	97.2	40.4	16,127	126.0	29,221	17,201	134.0	31,168	18,276	143.0	33,115	18,276	143.0	33,115	0.963	0.94	0.916
		RM	77.1	32.8	125	55.5	15,400	120.0	16,253	16,426	128.0	17,336	17,452	136.0	18,419	17,452	136.0	18,419	0.963	0.94	0.916
		RW	86.5	49.6	132.9	104.9	15,064	118.0	11,637	16,068	126.0	12,412	17,071	133.0	13,188	17,071	133.0	13,188	0.963	0.94	0.916
		WG	100.3	33	144.3	88.7	15,202	119.0	12,857	16,215	127.0	13,713	17,228	135.0	14,570	17,228	135.0	14,570	0.963	0.94	0.916
P10	137	NSP	15.8	16.1	33.5	33.5	17,504	128.0	127,336	18,670	136.0	135,822	19,837	145.0	144,307	19,837	145.0	144,307	0.963	0.94	0.916
		RN	66.3	20.6	97.2	40.4	17,009	124.0	30,820	18,142	132.0	32,873	19,276	141.0	34,927	19,276	141.0	34,927	0.963	0.94	0.916
		RM	77.1	32.8	125	55.5	16,242	119.0	17,142	17,325	126.0	18,285	18,407	134.0	19,427	18,407	134.0	19,427	0.963	0.94	0.916
		RW	86.5	49.6	132.9	104.9	15,888	116.0	12,273	16,947	124.0	13,091	18,005	131.0	13,909	18,005	131.0	13,909	0.963	0.94	0.916
		WG	100.3	33	144.3	88.7	16,034	117.0	13,560	17,102	125.0	14,463	18,171	133.0	15,367	18,171	133.0	15,367	0.963	0.94	0.916

Optional Field Adjustable Performance Selector 'PS' ('PS' is only compatible with standard 0-10V drivers, not compatible w/ optional DALI drivers)
 The optional Performance Selector is an integral dial that allows for field adjustable lumen/wattage dimming control for added design versatility. Normal tolerance +/- 8%.

36A (5050LED Optics - N66, S33)*

PS Position	Lumen Output %	P1	P2	P3	P4	P5	P6	P7	P8	P9
Wattage (W)										
8	100%	30	39	49	59	68	77	86	97	106
7	90%	27	35	43	52	61	69	77	85	94
6	80%	24	31	38	47	54	61	68	76	83
5	70%	21	27	33	42	48	54	60	66	72
4	60%	18	23	29	36	41	47	52	57	63
3	50%	15	19	24	31	35	39	44	48	52
2	40%	12	16	19	25	29	32	36	39	42
1	30%	9	12	14	19	22	25	28	30	32

*For 80CRI option use an additional 0.91 lumen multiplier.

72A (5050LED Optics - N66, S33)*

PS Position	Lumen Output %	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
Wattage (W)											
8	100%	74	83	92	101	109	117	126	135	144	155
7	90%	66	74	82	89	100	107	115	123	131	140
6	80%	59	66	73	79	88	95	102	110	116	123
5	70%	52	58	64	70	78	84	90	96	102	107
4	60%	45	50	55	60	68	73	78	83	88	93
3	50%	38	43	46	50	57	61	65	70	74	78
2	40%	31	35	38	41	47	50	53	57	60	63
1	30%	24	27	29	31	36	39	41	44	46	48

*For 80CRI option use an additional 0.91 lumen multiplier.

36A (3535LED Optics - N66, S33)*

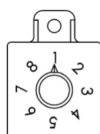
PS Position	Lumen Output %	P1	P2	P3	P4	P5	P6	P7	P8	P9
Wattage (W)										
8	100%	35	42	49	58	66	72	79	86	93
7	90%	31	37	43	51	58	64	70	76	81
6	80%	28	33	38	46	51	57	62	67	72
5	70%	24	29	33	40	46	50	54	59	63
4	60%	21	25	29	35	40	43	47	51	55
3	50%	17	21	24	30	34	37	40	43	46
2	40%	14	17	19	25	28	30	32	35	37
1	30%	11	12	14	19	21	23	25	27	29

*For 80CRI option use an additional 0.91 lumen multiplier.

72A (3535LED Optics - N66, S33)*

PS Position	Lumen Output %	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
Wattage (W)											
8	100%	50	59	71	82	93	102	110	119	128	137
7	90%	44	52	63	73	82	90	101	109	117	125
6	80%	39	46	56	65	73	80	89	96	104	111
5	70%	34	40	49	57	64	70	79	85	91	97
4	60%	29	35	43	49	55	61	68	74	79	84
3	50%	25	29	36	42	47	51	57	62	66	70
2	40%	20	23	30	34	38	41	47	51	54	58
1	30%	15	17	23	26	29	32	37	39	41	44

*For 80CRI option use an additional 0.91 lumen multiplier.



Optional Field Adjustable
Performance Selector 'PS' Dial

VTSFL-36A IES TM-21 LED Lumen Maintenance (*values *italicized* are per LM-80 data that is extrapolated beyond the TM-21 6X standard)

Reported lumen maintenance life projections are based on 6X the duration of the LED's IES LM-80 tested performance data in accordance per IES TM-21 guidelines.

5050LED Optics Performance Code P1 to P2	IES TM-21 LED Lumen Maintenance					
	0 Hrs	25,000 Hrs	50,000 Hrs	60,000 Hrs	*75,000 Hrs	*100,000 Hrs
VTS 36A @ 25C ambient	100.00%	98.60%	97.89%	97.61%	<i>97.19%</i>	<i>96.49%</i>
VTS 36A @ 50C ambient	100.00%	97.88%	97.73%	96.27%	<i>95.60%</i>	<i>95.47%</i>

5050LED Optics Performance Code P3 to P7	IES TM-21 LED Lumen Maintenance					
	0 Hrs	25,000 Hrs	50,000 Hrs	60,000 Hrs	*75,000 Hrs	*100,000 Hrs
VTS 36A @ 25C ambient	100.00%	96.65%	94.23%	93.27%	<i>91.86%</i>	<i>89.56%</i>
VTS 36A @ 50C ambient	100.00%	95.59%	92.88%	91.82%	<i>90.25%</i>	<i>87.69%</i>

5050LED Optics Performance Code P8 to P9	IES TM-21 LED Lumen Maintenance					
	0 Hrs	25,000 Hrs	50,000 Hrs	60,000 Hrs	*75,000 Hrs	*100,000 Hrs
VTS 36A @ 25C ambient	100.00%	95.85%	93.43%	92.47%	<i>91.06%</i>	<i>88.76%</i>
VTS 36A @ 50C ambient	100.00%	94.52%	90.83%	89.39%	<i>87.28%</i>	<i>83.87%</i>

3535LED Optics Performance Code P1 to P9	IES TM-21 LED Lumen Maintenance					
	0 Hrs	25,000 Hrs	50,000 Hrs	60,000 Hrs	*75,000 Hrs	*100,000 Hrs
VTS 36A @ 25C ambient	100.00%	98.75%	96.32%	95.37%	<i>93.95%</i>	<i>91.64%</i>
VTS 36A @ 50C ambient	100.00%	98.33%	95.41%	94.27%	<i>92.58%</i>	<i>89.83%</i>

VTSFL-72A IES TM-21 LED Lumen Maintenance (*values *italicized* are per LM-80 data that is extrapolated beyond the TM-21 6X standard)

Reported lumen maintenance life projections are based on 6X the duration of the LED's IES LM-80 tested performance data in accordance per IES TM-21 guidelines.

5050LED Optics Performance Code P1 to P2	IES TM-21 LED Lumen Maintenance					
	0 Hrs	25,000 Hrs	50,000 Hrs	60,000 Hrs	*75,000 Hrs	*100,000 Hrs
VTS 72A @ 25C ambient	100.00%	98.60%	97.89%	97.61%	<i>97.19%</i>	<i>96.49%</i>
VTS 72A @ 50C ambient	100.00%	97.88%	96.73%	96.27%	<i>95.60%</i>	<i>94.47%</i>

5050LED Optics Performance Code P3 to P10	IES TM-21 LED Lumen Maintenance					
	0 Hrs	25,000 Hrs	50,000 Hrs	60,000 Hrs	*75,000 Hrs	*100,000 Hrs
VTS 72A @ 25C ambient	100.00%	96.65%	94.23%	93.27%	<i>91.86%</i>	<i>89.56%</i>
VTS 72A @ 50C ambient	100.00%	95.59%	92.88%	91.82%	<i>90.25%</i>	<i>87.69%</i>

3535LED Optics Performance Code P1 to P10	IES TM-21 LED Lumen Maintenance					
	0 Hrs	25,000 Hrs	50,000 Hrs	60,000 Hrs	*75,000 Hrs	*100,000 Hrs
VTS 72A @ 25C ambient	100.00%	98.75%	96.32%	95.37%	<i>93.95%</i>	<i>91.64%</i>
VTS 72A @ 50C ambient	100.00%	98.09%	94.94%	93.71%	<i>91.90%</i>	<i>88.95%</i>

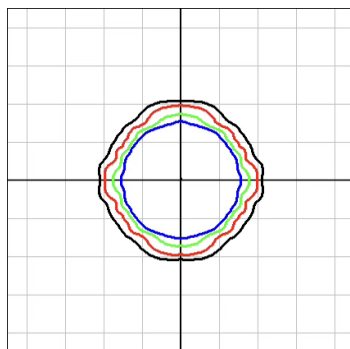
Optical Isofootcandle Plots ('72A P10' Performance Code, 4000K/5000K, 70CRI, 20' Mounting Height MH, Grid Scale = MH or 20' as shown)

Complete non-shielded & shielded photometric IES files are available for download at www.LEOTEK.com or can be found in AGI32's Photometric Instabase.

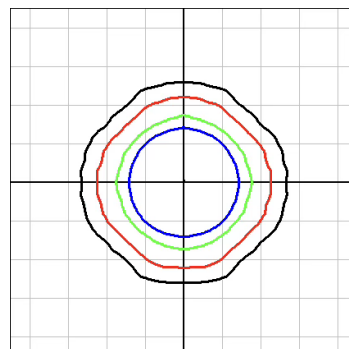
LEGEND

- 0.1 Fc
- 0.2 Fc
- 0.5 Fc
- 1.0 Fc

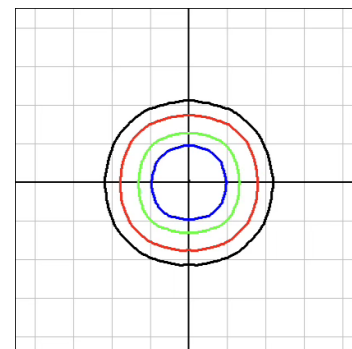
MH = 20' ↑↓



N66

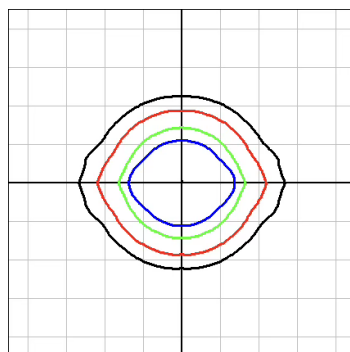


S33

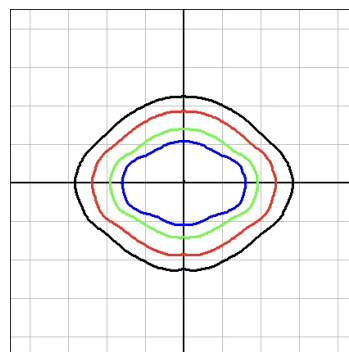


NSP

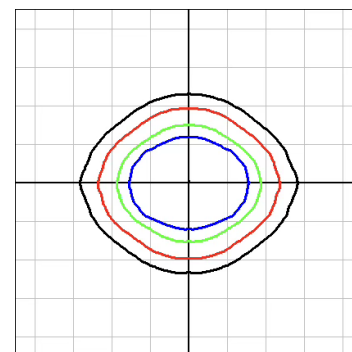
MH = 20' ↑↓



RN

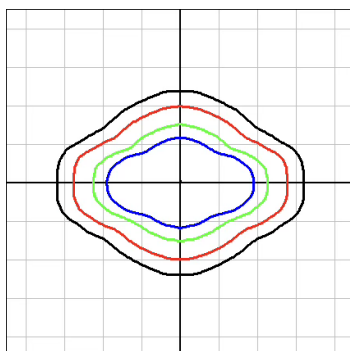


RM



RW

MH = 20' ↑↓

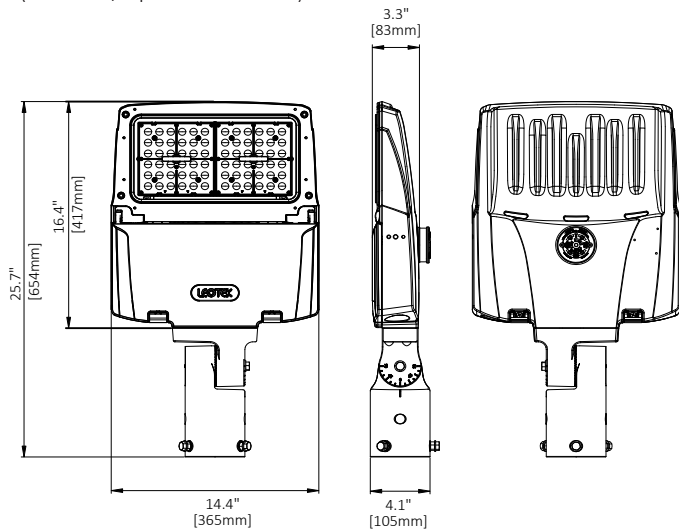


WG

Mounting Option Details & Dimensional Information

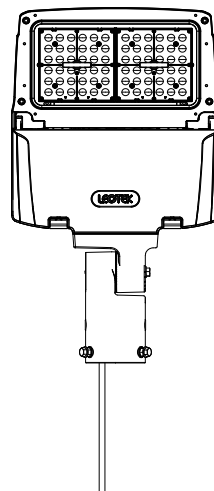
'SF' Slipfitter Mount #1*

(available wire leads in UL splice compartment)
(shown w/ optional 'PCR7CR')



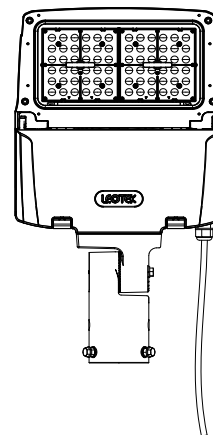
'SFC' Slipfitter #2*

(w/ 3-wire S/O Cord Center Fitter Exit)



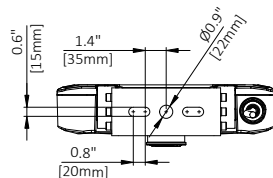
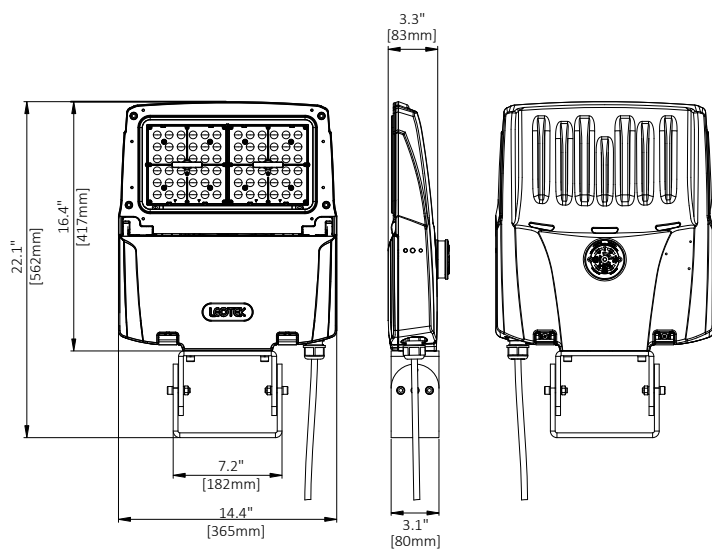
'SFH' Slipfitter #3*

(w/ 3-wire S/O Cord Bottom Housing Exit)



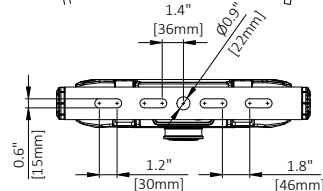
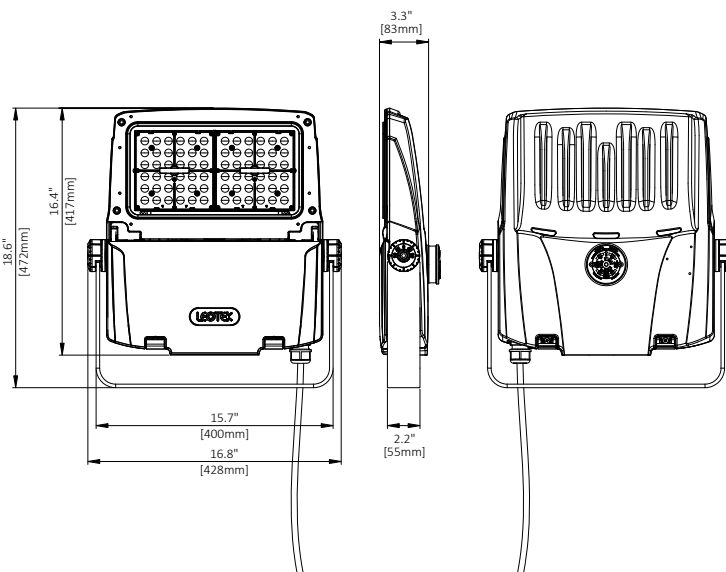
'TR' Trunnion Mount*

(shown w/ optional 'PCR7CR')



'YK' Yoke Mount*

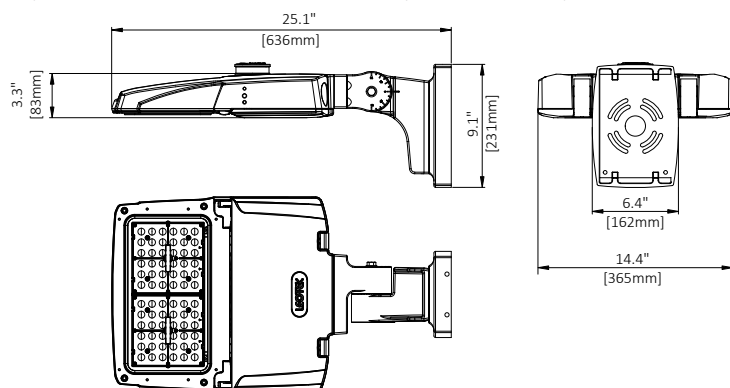
(shown w/ optional 'PCR7CR')



Mounting Option Details & Dimensional Information

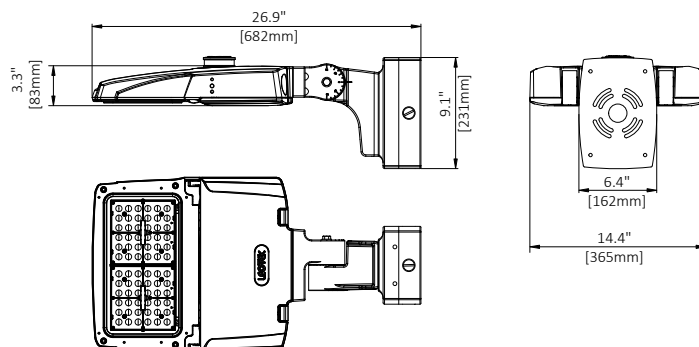
'AWM' Adjustable Wall Mount*

(mounts to recessed J-box, shown w/ optional 'PCR7CR')



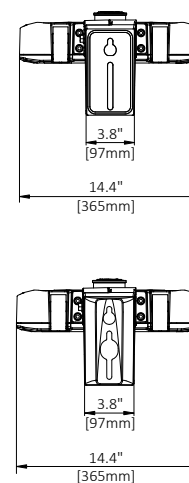
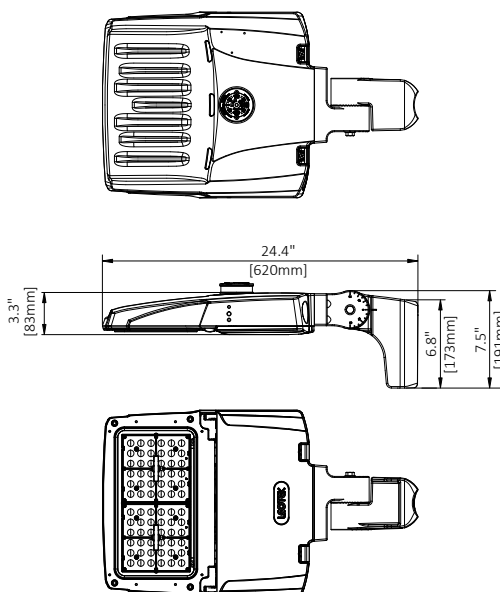
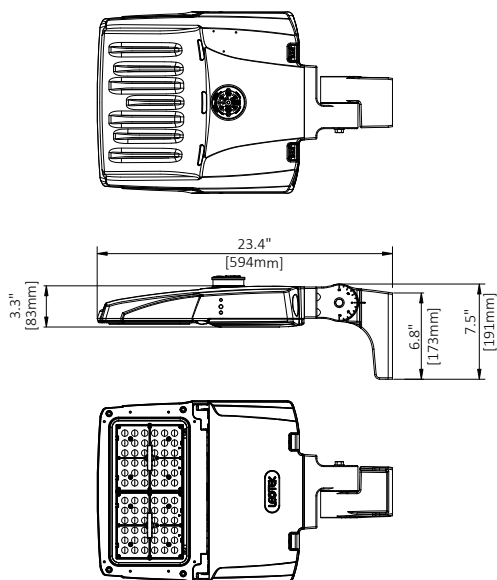
'AWMSC' Adjustable Wall Mount Surface Conduit*

(includes surface mount 3/4" conduit J-box, shown w/ optional 'PCR7CR')



'ASPM' Square & 'ARPM' Adjustable Round Pole Arm Mount*

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



Key Additional Miscellaneous Product Features & Design Details

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)



Slipfitter w/ UL Splice Box

'SF' Slipfitter w/ integral UL recognized splice compartment
(w/ available wire lead access & WAGOs for ease of installation)



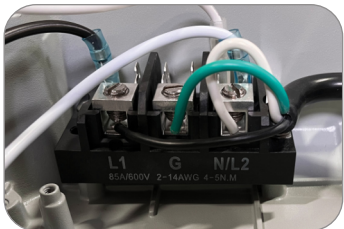
Self-Centering Design

Slipfitter options are designed with a self-centering & leveling design feature
(compatible w/ 1-5/8", 2-3/8" & 3" O.D. tenons)



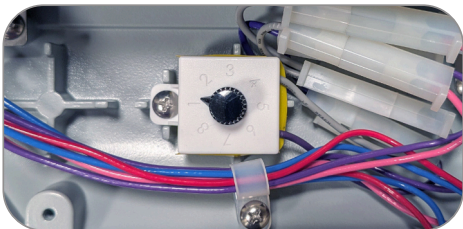
3-Position Terminal Block 'TB' Option

For ease of maintenance & increased safety, improved wire management & robust product life cycle operation
(includes line, neutral & ground, accommodates 6 to 16AWG wire)



Performance Selector 'PS' Option

Allows for quick & easy field adjustment of wattage, lumen output and reduced SKU complexity
(fixed position dial ensures correct output setting)



Integral VersaKick

VersaKick 'kickstand' props open the door during installation or maintenance
(allows for 'frustration free' ease of access)



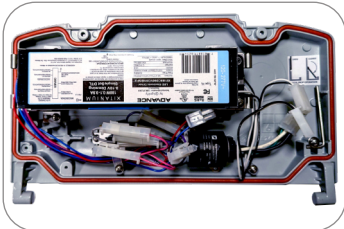
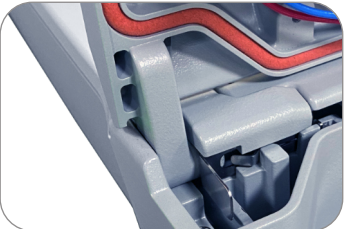
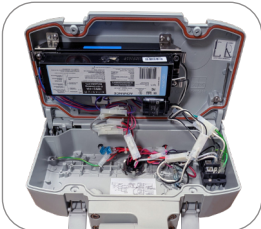
Pass-Thru Convective Cooling

(3) integral cooling slots allows ambient air to flow freely thru the luminaire for enhanced thermal management
(maximizes lifetime of electrical components & lumen maintenance)



Tool-Free Removable Power Door Option 'PWRD'

All serviceable electrical components are mounted to a tool-free removable Power Door that can be removed in less than 15 seconds to safely service on the ground or replace in seconds
(undo MOLEX connectors, push two spring clips inward to unlock door, slide the door forward & lift to remove)



'4SS-VTS'

4-Sided Shield



'TBS-VTS'

Top or Bottom Shield



'LRS-VTS'

Left or Right Side Shield



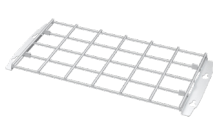
'BDS-VTS'

Barn Door Shield



'WG-VTS'

Wire Guard



'VS-VTS'

Poly Vandal Shield



LEOLink ILS™ Intelligent Lighting System for Tomorrow's Smart & Sustainable Cities

Smart...Scalable...Effortless

LEOLink ILS is the next evolution in street lighting, integrating AI and IoT to transform a city's traditional outdoor lighting infrastructure into a smart, adaptive network. It empowers municipalities and utilities with real-time control, predictive maintenance, and rapid scalability, all with unmatched simplicity.

Integrating LEO TEK's AI-driven centralized management platform (LEOLink RenAI) with intelligent streetlight controllers, LEOLink ILS provides 24x7 visibility into the status and performance of streetlights enabling efficient energy use, real-time fault detection, and predictive maintenance across city-wide lighting networks. Easy "plug-and-play" deployment and scalability support users in achieving operational excellence, public safety, and long-term sustainability. With LEOLink ILS, cities are creating the backbone of a future-ready smart city.

Key Functions

Centralized, Remote Management

Gain complete control of your city's smart lighting infrastructure from a single, intuitive platform.

Instant Response to Anomalies

Automatically identify and respond to abnormal lighting behavior in real-time.

AI-Powered Predictive Maintenance

Detect and address faults before they occur, minimizing downtime and maintenance costs.

Actionable Insights Through Data Visualization

Monitor asset performance and energy trends with clear, interactive dashboards and reports.

Energy Efficiency & Cost Savings

Optimize energy usage with intelligent scheduling and dimming, reducing operational expenses.

LEOLink Controllers Key Features & Benefits

The smartest fit for 7-PIN NEMA fixtures. Engineered to deliver seamless performance, trusted security, and plug-and-play simplicity, all in one powerful, next-generation controller.



Self-Monitoring & Fault Detection

Controllers continuously monitor the luminaire's operational status, identifying power outages, failures, and abnormal energy patterns for fast diagnostics and improved maintenance efficiency.



Ultra-High Connectivity

Dual-mode cellular communication using the world's most reliable and secure carriers ensures a 99.5% connection success rate, delivering reliable continuous data transmission even in challenging environments.



Built-In Surge Protection

Advanced surge protection against lightning and voltage spikes safeguards critical streetlight infrastructure.



AI-Driven Adaptive Dimming

Participates with LEOLink RenAI to enable intelligent dimming strategies, including human-centric lighting adjustments based on real-time traffic, weather, and pedestrian activity.



Predictive Maintenance & Analytics

Advanced failure analysis and predictive diagnostics move cities from reactive to preventative maintenance strategies that reduce downtime and operational costs.



*LEOLink 'NB01P05/10' Smart Controller

LEOLink RenAI Central Management System Key Features & Benefits

RenAI is an AI-powered, cloud-based Central Management System (CMS) that turns streetlighting into a dynamic, adaptive, and self-optimizing network. Using a native AI foundation, it analyzes both real-time and historical data—surpassing traditional CMS capabilities—to address the complex needs of modern roadway infrastructure. The result: improved energy efficiency, reduced operational costs, and enhanced public safety for utilities and municipalities.



LiSA (LEOTEK intelligent Service Advisor)

LiSA, our AI-powered assistant, is available 24/7 to streamline operations, quickly answering questions, generating charts and tables, and assisting with troubleshooting to lighten your team's workload.



Asset Management

Collect and track roadway infrastructure asset information such as streetlight fixtures, poles and controllers to drive operational efficiencies from field maintenance to life cycle management.



Remote Control

Remotely switch lights ON/OFF and adjust brightness via an intuitive user interface.



Fault Detection & Notification

Monitor streetlight health and status in real time to detect and receive instant fault alerts.



Energy Consumption Management

Track usage, identify trends, and forecast energy needs for optimal efficiency.



Data Analysis & Reporting

Access historical insights, visualize data, and generate reports for informed decision-making.



Scheduled Dimming

Automatically adjusts brightness levels based on ambient light and pre-set schedules.



LEOLink Intelligent Lighting System (ILS) Ordering Information* (*add to end of luminaire catalog number to ship controller with the luminaire)

Sample Catalog No. Luminaire w/ Controller: VTSFL-36A-MV-30K7-N66-GY-P9-SF-PCR7CR-TB-WL1-PWRD-NB01P10-R10-D10 (controllers will ship included with the luminaire)

Sample Catalog No. for Controller Only: NB01P05-R05-D05 (controllers will ship separately from the luminaire)

LEOLink Smart Controllers		RenAI CMS Subscription		Network Data Plan	
NB01P05 ¹	LEOLink 7-PIN Controller, 5YR Warranty (120-277V)	R01	RenAI, One Year SaaS Subscription	D01	Data Plan, One Year Subscription
NB01P10 ¹	LEOLink 7-PIN Controller, 10YR Warranty (120-277V)	R05	RenAI, Five Year SaaS Subscription	D05	Data Plan, Five Year Subscription
		R10	RenAI, Ten Year SaaS Subscription	D10	Data Plan, Ten Year Subscription
		R00 ²	RenAI, No SaaS Subscription	D00 ²	Data Plan, No Subscription

1. For each controller, a RenAI CMS Subscription 'RXX' and Network Data Plan 'DXX' is required. Please refer to the LEOLink ILS specification sheets and ordering guide for complete ordering and specification details.

2. 'R00' and 'D00' options require prior approval from LEO TEK. Please contact factory for details.

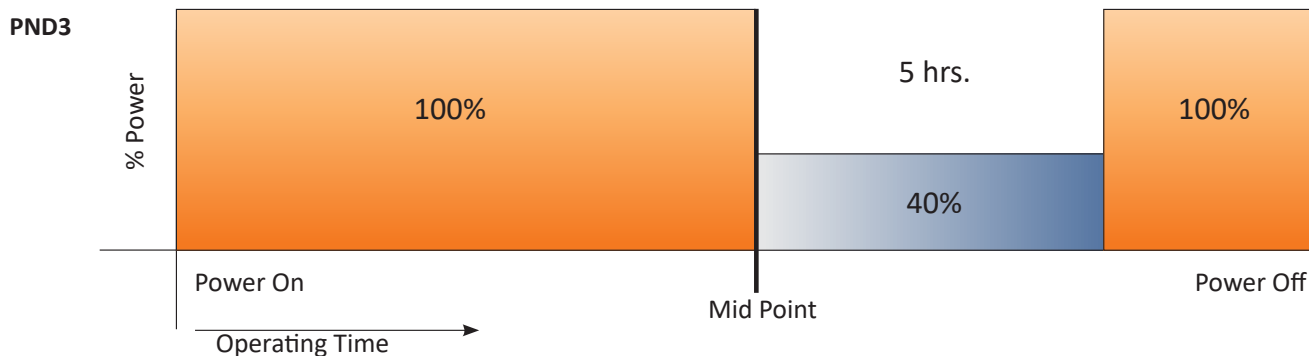
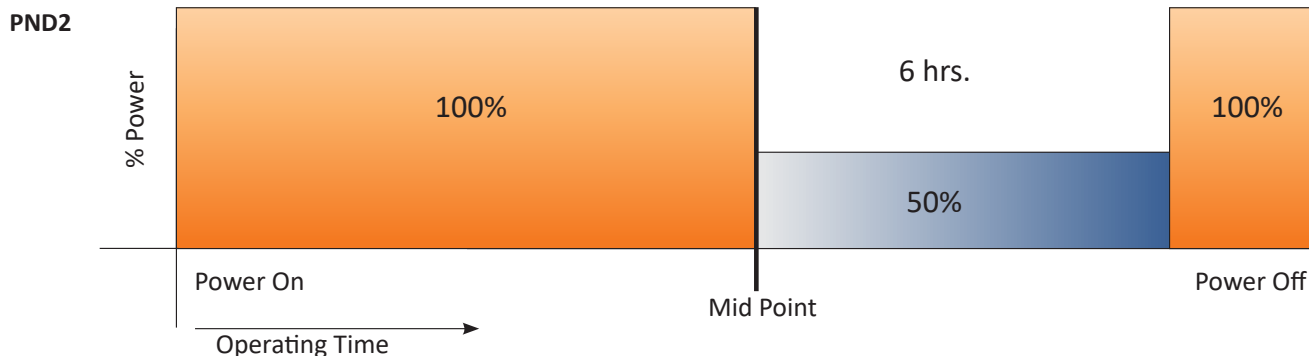
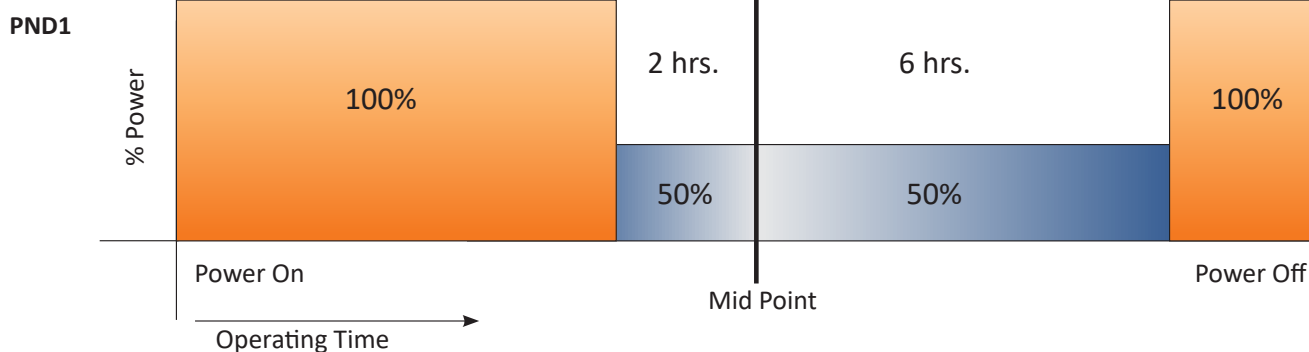
Part-Night Dimming Specifications

Description

Part-Night Dimming (PND) option enables significant energy savings by automatically dimming the luminaire during early morning hours when infrequent use is expected. Factory programmed dimming profiles automatically take into account seasonal changes based on geographical location by continuously monitoring the nighttime midpoint. PND does not provide power on/off control which is provided by external controls (example: time clock or a photocontrol using 'PCR7CR' option). Dimming profile of PND option is not field adjustable.

Operation

Based on the PND profile that is selected, the luminaire dims to the corresponding % power for the corresponding length of time (based on the nighttime mid-point) as shown below. Mid-point is continuously recalculated in the luminaire by monitoring the average length of time between when the light turns on (power on) and turns off (power off) over the previous two days. In effect, this functionality will take two days to initialize after installation before any dimming will occur. Power interruptions are ignored and do not affect the determination of mid-point. Three factory programmed PND profiles are available for selection:



VersaTEK Small LED Flood - Luminaire EPA Values

(*Includes luminaire and mounting options shown. Secondary tenons, brackets or other accessories are not included in the EPA data.)

Luminaire Quantity & Orientation		Effective Projected Area (EPA ft²)								
		Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Option	Tilt									
SF Slip Fitter	0°	0.82	1.22	1.64	2.04	1.78	2.04	0.79	1.19	1.58
	10°	0.82	1.35	1.64	2.17	2.02	2.17	1.05	1.58	2.10
	20°	0.82	1.62	1.64	2.44	2.52	2.44	1.60	2.40	3.20
	30°	1.09	1.92	1.64	2.74	3.09	2.74	2.19	3.28	4.38
SFC Slip Fitter Center	40°	1.36	2.19	1.64	3.01	3.62	3.01	2.73	4.09	5.45
	45°	1.48	2.31	1.64	3.13	3.86	3.13	2.97	4.45	5.94
	50°	1.59	2.42	1.64	3.24	4.08	3.24	3.19	4.78	6.38
	60°	1.78	2.60	1.78	3.43	4.46	3.43	3.56	5.34	7.12
SFH Slip Fitter Housing	70°	1.92	2.74	1.92	3.56	4.74	3.56	3.83	5.75	7.66
	80°	2.01	2.83	2.01	3.65	4.93	3.65	4.02	6.02	8.03
	90°	2.04	2.86	2.04	3.69	5.00	3.69	4.08	6.12	8.17
	0°	0.54	0.98	1.08	1.52	1.50	1.52	0.87	1.31	1.74
YK Yoke Mount	10°	0.55	1.10	1.10	1.65	1.73	1.65	1.10	1.65	2.20
	20°	0.80	1.38	1.15	1.96	2.23	1.96	1.61	2.41	3.22
	30°	1.08	1.67	1.19	2.27	2.79	2.27	2.16	3.24	4.31
	40°	1.32	1.93	1.32	2.54	3.28	2.54	2.65	3.97	5.30
	45°	1.43	2.04	1.43	2.65	3.50	2.65	2.87	4.30	5.73
	50°	1.53	2.14	1.53	2.75	3.70	2.75	3.07	4.60	6.13
	60°	1.70	2.31	1.70	2.92	4.04	2.92	3.40	5.09	6.79
	70°	1.82	2.43	1.82	3.04	4.28	3.04	3.63	5.45	7.26
	80°	1.89	2.51	1.89	3.13	4.44	3.13	3.78	5.67	7.56
TR Trunnion Mount	90°	1.92	2.54	1.92	3.16	4.51	3.16	3.83	5.75	7.66
	0°	0.65	1.05	1.30	1.70	1.58	1.70	0.79	1.19	1.59
	15°	0.67	1.32	1.30	1.97	2.09	1.97	1.33	2.00	2.67
	30°	1.13	1.78	1.30	2.44	2.98	2.44	2.27	3.40	4.53
	45°	1.54	2.19	1.54	2.84	3.78	2.84	3.08	4.62	6.15
	60°	1.85	2.50	1.85	3.15	4.39	3.15	3.69	5.54	7.38
ASPM & ARPM Adjustable Square & Round Pole Arm Mount	75°	2.04	2.69	2.04	3.34	4.79	3.34	4.08	6.12	8.16
	90°	2.12	2.77	2.12	3.42	4.96	3.42	4.23	6.35	8.47
	0°	0.72	1.25	1.44	1.97	1.94	1.97	1.05	1.58	2.11
	10°	0.72	1.38	1.44	2.10	2.18	2.10	1.33	1.99	2.66
	20°	0.94	1.66	1.44	2.38	2.68	2.38	1.88	2.81	3.75
	30°	1.23	1.95	1.44	2.67	3.25	2.67	2.47	3.70	4.93
	40°	1.50	2.22	1.50	2.94	3.78	2.94	3.00	4.51	6.01
	45°	1.62	2.34	1.62	3.06	4.02	3.06	3.25	4.87	6.49
	50°	1.73	2.45	1.73	3.17	4.24	3.17	3.47	5.20	6.93
	60°	1.92	2.64	1.92	3.36	4.62	3.36	3.84	5.76	7.68
	70°	2.05	2.77	2.05	3.49	4.90	3.49	4.11	6.16	8.22
	80°	2.15	2.86	2.15	3.58	5.09	3.58	4.29	6.44	8.58
	90°	2.18	2.90	2.18	3.62	5.17	3.62	4.35	6.53	8.71

Adjustable Square & Round Pole Arm Mount Drilling Dimensions for New Construction

(for additional details, please consult online installation instructions)

