Catalog # : _____ Project : _____ Type : _____

Prepared By : _____ Date : _____

V-Locity® Small (VALS)

Outdoor LED Area Light

IP66 IK07



OVERVIEW	
Lumen Package	6,000 - 27,000
Wattage Range	36 - 178
Efficacy Range (LPW)	96 - 171
Weight lbs(kg)	20 (9.1)
Control Options	IMSBT, ALB, ALS, 7-Pin, PCI

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical units. Cast aluminum wiring access door located underneath.
- Self-contained optic, board and heat sink assembly can be rotated or replaced in the field.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: TBD lbs in carton.

Optical System

- State-of-the-Art acrylic optics delivers industry leading optical control with an integrated gasket to provide IP66 rated seal.
- Proprietary refractor optics provide exceptional coverage and uniformity in distribution types 2, 2M, 3M, 3W, 4M, 4W, 4F, FTM, 5QN, 5QM, 5Q, 5QW, AFR, AM, WF, and LC/RC.
- Available in 5000K, 4000K, 3500K, 3000K and 2700K color temperatures per ANSI C78.377 as well as phosphor converted amber.
- Minimum CRI of 80 (optional 70 CRI for 5000K, 4000K, and 3000K).
- Factory or field installable integral shielding available for enhanced spill light control.
- Zero Uplight (excludes adjustable arms).

Electrical

- High-performance driver features over-voltage, under voltage, short-circuit and over temperature protection.
- 0-10 volt dimming (10% - 100%) standard, must specify EXT option for dimming leads to be extended to fixture exterior.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- L70 Calculated Life: >60k Hours
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F).
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards. Driver and key electronic components can easily be accessed.

Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.
- AirLink™ Blue wireless control system with technology partner Silvair incorporates Luminaire Level Lighting Controls (LLLC) and high-end trim

Installation

- REDiMount pole mount arm allows for a true one person installation.
- Side arm pole mount designed to mount to square or round poles.
- Pole mount arms can accommodate pole drill patterns from 2.4 to 5" on center and utilize LSI's reduced B3 or traditional B5 drill patterns.
- Additional mounting options are available including a mast arm or adjustable slip fitter that allow for luminaire attachment to a 2 3/8" tenon or mast arm.
- Adjustable arms allow for 65° of tilt (-5°below horizontal to +60° above horizontal) in 5° increments.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- DarkSky approved with 3000K or warmer color temperature selection and fixed mounting arms / non-adjustable brackets.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP66 rated Luminaire per IEC 60598-1.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- IK07 rated luminaire per IEC 66262 mechanical impact code.

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V-Locity® Small (VALS) Outdoor LED Area Light

Type : _____

Have questions? Call us at (800) 436-7800

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: VALS 18L 4W UNV 40K8 BLK SA ALBMR2LR IS

Prefix	Lumen Package	Distribution	Orientation[2]	Voltage	Color Temp /Rendering	Finish
VALS - V-Locity Area Light Small	**6L** - 6,000 lms, 36W **9L** - 9,000 lms, 54W **12L** - 12,000 lms, 74W **15L** - 15,000 lms, 91W **18L** - 18,000 lms, 111W **21L** - 21,000 lms, 130W **24L** - 24,000 lms, 155W **27L** - 27,000 lms, 178W Custom Lumen Packages[1]	**2** - Type 2 **2M** - Type 2 Medium **3M** - Type 3 Medium **3W** - Type 3 Wide **4M**- Type 4 Medium **4F** - Type 4 Forward **4W** - Type 4 Wide **FTM** - Forward Throw Medium **5QN** - Type 5 Square Narrow **5QM** - Type 5 Square Medium **5Q** - Type 5 Square **5QW** - Type 5 Square Wide **AFR** - Automotive Front Row **AM**- Automotive Merchandise **WF** - 6x6 Wide Flood **LC** - Left Corner **RC** - Right Corner	**(Blank)** - Standard **L**- Optics rotated left 90° **R** - Optics rotated right 90°	**UNV** - Universal Voltage (120-277V) **HV** - High Voltage (347-480V)	**50K7**- 5000 CCT - 70 CRI **50K8**- 5000 CCT - 80 CRI **40K7** - 4000 CCT - 70 CRI **40K8**- 4000 CCT - 80 CRI **35K8**- 3500 CCT - 80 CRI *DarkSky Approved CCT's* **30K7**- 3000 CCT - 70 CRI **30K8** - 3000 CCT - 80 CRI **27K8** - 2700 CCT - 80 CRI	**BLK -** Black **BRZ -** Dark Bronze **GMG -** Gun Metal Gray **GPT -** Graphite **MSV -** Metallic Silver **PLP -** Platinum Plus **SVG -** Satin Verde Green **WHT -** White

Mounting	Controls (Choose One)	Options
SA - Universal Side Arm Pole Mount **SF** - Adjustable Slip Fitter **UA**- Universal Adjustable Pole Mount Arm **MA** - Mast Arm	**(Blank)** - None **Wireless Controls System** **ALSC** - AirLink Synapse Control System **ALSCS2** - AirLink Synapse Control System with 12-20' MH Motion Sensor **ALSCS4 -** AirLink Synapse Control System with 20-40' MH Motion Sensor **ALBMR1LR** - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (8-15' MH)[4] **ALBMR2LR** - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (16-40' MH)[4] **Stand-Alone Controls** **EXT** - 0-10v Dimming leads extended to housing exterior **CR7P** - 7 Pin Control Receptacle ANSI C136.41[3] **IMSBTL1** - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH)[4] **IMSBTL2** - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH)[4] **PCIU** - 120-277 Button Photocell **PCI347** - 347V Button Photocell	**IS -** Integral Shield[2] **TE** - Tooless Entry (Mast Arm Only)

Need more information?
Click here for our glossary

Have additional questions?
Call us at (800) 436-7800

Accessory Ordering Information[5]

CONTROLS ACCESSORIES	
Description	**Order Number**
Twist Lock Photocell (120V) for use with CR7P	**122514**
Twist Lock Photocell (208-277) for use with CR7P	**122515**
Twist Lock Photocell (347V) for use with CR7P	**159516**
Twist Lock Photocell (480V) for use with CR7P	**1225180**
Universal Side Arm Pole Mount with CR7P	**911615CLR**[3,6]
AirLink 7 Pin Twist Lock Controller	**661410**
Shorting Cap for use with CR7P	**149328**
Adjustable Output Module	**734263**

FUSING OPTIONS[7]	
Description	**Order Number**
Single Fusing (120V)	See Fusing Accessory Guide
Single Fusing (277V)	
Double Fusing (208V, 240V)	
Double Fusing (480V)	
Double Fusing (347V)	

EXTERNAL SHIELDING OPTIONS	
Description	**Order Number**
1.5" External Shield	See Shielding Guide
3" External Shield	

1. Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
2. Not available on Type 5 or wide flood distributions.
3. Control device or shorting cap must be ordered separately. See Accessory Ordering Information.
4. Motion sensors are field configurable via the LSI app that can be downloaded from your smartphone's native app store.
5. Accessories are shipped separately and field installed.
6. "CLR" denotes finish. See Finish options.
7. Fusing must be located in hand hole of pole. See Fusing Accessory Guide for compatability.

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V-Locity® Small (VALS) Outdoor LED Area Light

Type : _____

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ACCESSORIES

MOUNTING ACCESSORIES

Side Arm

Bullhorn Bracket
Mounts onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon and allows for mounting up to 4 adjustable slip fitter mount luminaires
Part Number: BKS PTB 2 CLR / BKS PTB 12 CLR (2 Luminaires)
Part Number: BKS PTB 3-30 CLR / BKS PTB 13-30 CLR (3 Luminaires)
Part Number: BKS PTB 4 CLR / BKS PTB 14 CLR (4 Luminaires)



Flood Wall Mount Bracket
Mounts onto vertical wall surface (hardware/anchors not included)
Part Number: BKS FMW 5 CLR (5" Straight Version)
Part Number: BKS FMW 18 CLR (18" Curved Version)



Bolt on Side Tenon Mount
Bolt on Side Tenon Mount
Part Number: BKSFBO 5 CLR (5" Straight Version)
Part Number: BKSFBO 18 CLR (18" Curved Version)
Part Number: BKSFBO 30 CLR (30" Dual Tenon Version)



Tenon / Slipfitter

Square Tenon Top
Allows to seamlessly integrate LSI luminaires to open top 4", 5" or 6" square poles with 11 ga. Or 7 ga. wall thickness
Part Number: BKA ISF_SQ 2S CLR



Square Tenon Top
Mounts onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon and allows for mounting up to 4 luminaires
Part Number: BKA XNM *



Square Internal Slipfitter
Mounts inside 4" or 5" square pole and allows for mounting up to 4 lumianires
Part Number: BKA X_ISF * CLR



Wall Mount/ Wood Pole

Wall Mount Bracket
Mounts onto vertical wall surface (hardware/anchors not included)
Part Number: BKS XBO WM CLR
Part Number: BKS B3 WM CLR *(w/Surface Conduit Entry)*



Wood Pole Bracket
Mounts onto wooden poles (6" minimum OD, hardware/anchors not inlcuded)
Part Number: BKS XBO WP CLR



SHIELDING, POLES & MISC. ACCESSORIES

Shielding

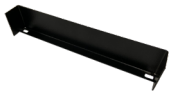
Integral Shield for Asymmetric Distributions
Field Install Integral shield provides maximum backlight control by shiedling each individual row of LEDS with minimal impact on Streett/front side distribution (includes 2 shields)
Part Number: 879644



Integral Shield for Left and Right Corner Distributions
Field install integral shield provides cutoff from two sides for maximum spill light control when utilizing LC or RC corner distributions (includes 2 shields)
Part Number: 879643



External Shield
External shield blocks view of light source from anyside of luminaire, additional shielding configurations available
Part Number: 835696 (1.5") / 835694 (3")



Poles

Square Poles
14 - 39' steel and aluminum poles in 4", 5" and 6" sizes for retrofit and new construction
Part Number: 4SQ/5SQ/6SQ



Round Poles
10 - 30' steel and aluminum poles in 4" and 5" sizes for retrofit and new construction
Part Number: 4RP/5RP



Tapered Poles
20' - 39' steel and aluminum poles for retrofit and new construction
Part Number: RTP



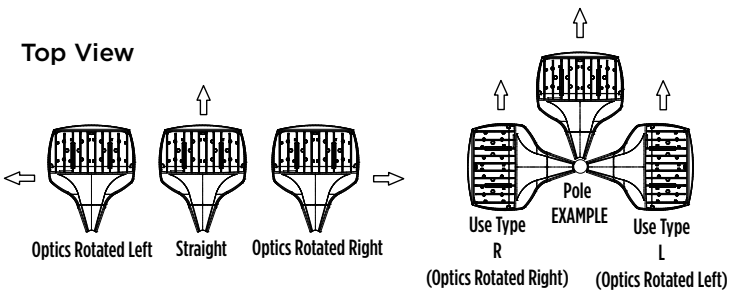
Misc.

Bird Spikes
10' linear bird spike (3' recommended per luminaire) silcone adhesive (covers approximately 25' linear fee of bird spike) and application tool
Spike Part Number: 751631
Adhesive Part Number: 751632
Caulk Gun Part Number: 751636



1 Replace CLR with paint finish description
2 Repleace XX with SQ for square pole or RD for round pole (≥3" OD)
3 Replace * with S (Single), D180 (Double @180°), D90 (Double @90°), T90 (Triple), Q90 (Quad)
4 Replace _ with 4 (4" square pole) or 5 (5" square pole)

OPTICS ROTATION

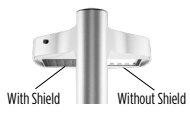


ACCESSORIES/OPTIONS

Integral Shield (IS)

Integral Shield (IS) available for improved backlight control without sacrificing Streett side performance. LSI's Integral Shield (IS) option delivers backlight control that significantly reduces spill light behind the pole for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Shields rotate with the optical distribution.

Integral Shield (IS)



Luminaire Shown with AirLink Blue Sensor Option



7 Pin Photoelectric Control

7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Luminaire Shown with CR7P



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PERFORMANCE

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Delivered Lumens (70 CRI)

Lumen Package	Distribution	CRI	3000K CCT / 70 CRI			4000K CCT / 70 CRI			5000K CCT / 70 CRI			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
6L	2	70	5,376	149	B1-U0-G2	5,696	158	B1-U0-G3	5,709	157	B1-U0-G3	36
	2M		5,037	140	B1-U0-G2	5,337	148	B1-U0-G2	5,349	149	B1-U0-G2	
	3M		5,127	142	B1-U0-G2	5,432	151	B1-U0-G2	5,444	150	B1-U0-G2	
	3W		4,859	135	B1-U0-G3	5,148	143	B1-U0-G3	5,160	142	B1-U0-G3	
	4M		5,214	145	B1-U0-G2	5,524	153	B1-U0-G2	5,537	152	B1-U0-G2	
	4F		4,956	138	B1-U0-G3	5,251	146	B1-U0-G3	5,263	145	B1-U0-G3	
	4W		4,540	126	B1-U0-G3	4,811	134	B1-U0-G3	4,822	133	B1-U0-G3	
	FTM		4,999	139	B1-U0-G2	5,297	147	B1-U0-G2	5,309	146	B1-U0-G2	
	5QN		5,686	158	B2-U0-G1	6,025	167	B2-U0-G1	6,038	166	B2-U0-G1	
	5QM		5,796	161	B3-U0-G1	6,141	171	B3-U0-G1	6,155	169	B3-U0-G1	
	5Q		5,585	155	B3-U0-G1	5,917	164	B3-U0-G1	5,931	163	B3-U0-G1	
	5QW		5,425	151	B3-U0-G1	5,748	160	B3-U0-G2	5,761	159	B3-U0-G1	
	AFR		4,806	133	B1-U0-G1	5,092	141	B1-U0-G1	5,103	142	B1-U0-G1	
	AM		5,575	155	B0-U0-G1	5,908	164	B0-U0-G1	5,921	163	B0-U0-G1	
	WF		5,754	160	B2-U0-G0	6,097	169	B2-U0-G0	6,111	168	B2-U0-G0	
	LC/RC		4,694	130	B1-U0-G3	4,974	138	B1-U0-G3	4,985	137	B1-U0-G3	
9L	2	70	8,081	150	B1-U0-G3	8,562	159	B2-U0-G3	8,581	159	B2-U0-G3	54
	2M		7,571	140	B1-U0-G2	8,022	149	B1-U0-G2	8,040	149	B1-U0-G2	
	3M		7,706	143	B1-U0-G3	8,165	151	B1-U0-G3	8,184	152	B1-U0-G3	
	3W		7,304	135	B1-U0-G3	7,739	143	B1-U0-G3	7,756	144	B1-U0-G3	
	4M		7,837	145	B1-U0-G2	8,304	154	B1-U0-G3	8,323	154	B1-U0-G3	
	4F		7,450	138	B1-U0-G3	7,894	146	B1-U0-G4	7,911	147	B1-U0-G3	
	4W		6,825	126	B1-U0-G3	7,232	134	B1-U0-G3	7,248	134	B1-U0-G3	
	FTM		7,515	139	B1-U0-G2	7,963	147	B1-U0-G2	7,981	148	B1-U0-G2	
	5QN		8,547	158	B3-U0-G1	9,056	168	B3-U0-G1	9,077	168	B3-U0-G1	
	5QM		8,712	161	B3-U0-G2	9,231	171	B3-U0-G2	9,252	171	B3-U0-G2	
	5Q		8,395	155	B3-U0-G2	8,895	165	B3-U0-G2	8,915	165	B3-U0-G2	
	5QW		8,154	151	B4-U0-G2	8,640	160	B4-U0-G2	8,659	160	B4-U0-G2	
	AFR		7,425	138	B1-U0-G1	7,867	146	B1-U0-G1	7,885	146	B1-U0-G1	
	AM		8,381	155	B0-U0-G1	8,880	164	B0-U0-G2	8,900	165	B0-U0-G2	
	WF		8,649	160	B3-U0-G0	9,165	170	B3-U0-G0	9,186	170	B3-U0-G0	
	LC/RC		7,057	131	B1-U0-G3	7,477	138	B1-U0-G3	7,494	139	B1-U0-G3	
12L	2	70	10,996	149	B2-U0-G3	11,651	157	B2-U0-G3	11,677	158	B2-U0-G3	74
	2M		10,302	139	B1-U0-G3	10,916	148	B1-U0-G3	10,940	148	B1-U0-G3	
	3M		10,486	142	B1-U0-G3	11,111	150	B1-U0-G3	11,136	151	B1-U0-G3	
	3W		9,939	134	B2-U0-G4	10,531	142	B2-U0-G4	10,554	143	B2-U0-G4	
	4M		10,664	144	B1-U0-G3	11,300	153	B1-U0-G3	11,325	153	B1-U0-G3	
	4F		10,137	137	B1-U0-G4	10,741	145	B1-U0-G4	10,765	146	B1-U0-G4	
	4W		9,287	125	B1-U0-G3	9,840	133	B1-U0-G3	9,862	133	B1-U0-G3	
	FTM		10,226	138	B1-U0-G3	10,835	146	B1-U0-G3	10,859	147	B1-U0-G3	
	5QN		11,630	157	B3-U0-G1	12,323	167	B3-U0-G1	12,351	167	B3-U0-G1	
	5QM		11,854	160	B4-U0-G2	12,561	170	B4-U0-G2	12,589	170	B4-U0-G2	
	5Q		11,423	154	B4-U0-G2	12,104	164	B4-U0-G2	12,131	164	B4-U0-G2	
	5QW		11,096	150	B4-U0-G2	11,757	159	B4-U0-G2	11,783	159	B4-U0-G2	
	AFR		10,103	137	B1-U0-G1	10,705	145	B2-U0-G1	10,729	145	B2-U0-G1	
	AM		11,404	154	B1-U0-G2	12,083	163	B1-U0-G2	12,111	164	B1-U0-G2	
	WF		11,770	159	B3-U0-G1	12,471	169	B3-U0-G1	12,499	169	B3-U0-G1	
	LC/RC		9,602	130	B2-U0-G3	10,175	137	B2-U0-G3	10,197	138	B2-U0-G3	

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PERFORMANCE

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			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
15L	2	70	13,324	146	B2-U0-G4	14,118	155	B2-U0-G4	14,150	156	B2-U0-G4	91
	2M		12,707	140	B1-U0-G3	13,464	148	B2-U0-G3	13,494	148	B2-U0-G3	
	3M		12,707	140	B1-U0-G3	13,464	148	B1-U0-G3	13,494	149	B1-U0-G3	
	3W		12,043	132	B2-U0-G4	12,761	140	B2-U0-G4	12,789	141	B2-U0-G4	
	4M		12,923	142	B1-U0-G3	13,693	150	B1-U0-G3	13,724	151	B1-U0-G3	
	4F		12,284	135	B1-U0-G5	13,016	143	B2-U0-G5	13,045	144	B1-U0-G5	
	4W		11,254	124	B1-U0-G4	11,924	131	B1-U0-G4	11,951	132	B1-U0-G4	
	FTM		12,391	136	B1-U0-G3	13,130	144	B1-U0-G3	13,159	145	B1-U0-G3	
	5QN		14,093	155	B3-U0-G2	14,933	164	B3-U0-G2	14,966	165	B3-U0-G2	
	5QM		14,365	158	B4-U0-G2	15,221	167	B4-U0-G2	15,255	168	B4-U0-G2	
	5Q		13,842	152	B4-U0-G2	14,667	161	B4-U0-G2	14,699	162	B4-U0-G2	
	5QW		13,445	148	B4-U0-G2	14,246	157	B4-U0-G2	14,278	158	B4-U0-G2	
	AFR		12,242	135	B2-U0-G1	12,972	143	B2-U0-G1	13,001	143	B2-U0-G1	
	AM		13,819	152	B1-U0-G2	14,642	161	B1-U0-G2	14,675	162	B1-U0-G2	
	WF		14,262	157	B3-U0-G1	15,112	166	B3-U0-G1	15,146	167	B3-U0-G1	
	LC/RC		11,636	128	B2-U0-G4	12,329	135	B2-U0-G4	12,357	136	B2-U0-G4	
18L	2	70	16,125	145	B2-U0-G4	17,086	154	B3-U0-G4	17,124	154	B3-U0-G4	111
	2M		15,378	139	B2-U0-G3	16,294	147	B2-U0-G3	16,330	147	B2-U0-G3	
	3M		15,377	139	B2-U0-G3	16,294	147	B2-U0-G4	16,331	147	B2-U0-G4	
	3W		14,574	131	B2-U0-G5	15,443	139	B2-U0-G5	15,477	139	B2-U0-G5	
	4M		15,639	141	B1-U0-G4	16,571	149	B1-U0-G4	16,608	150	B1-U0-G4	
	4F		14,866	134	B2-U0-G5	15,751	142	B2-U0-G5	15,786	142	B2-U0-G5	
	4W		13,619	123	B2-U0-G4	14,430	130	B2-U0-G4	14,462	130	B2-U0-G4	
	FTM		14,996	135	B1-U0-G3	15,889	143	B1-U0-G3	15,925	144	B1-U0-G3	
	5QN		17,055	154	B3-U0-G2	18,072	163	B4-U0-G2	18,112	163	B3-U0-G2	
	5QM		17,384	157	B4-U0-G2	18,420	166	B4-U0-G2	18,461	166	B4-U0-G2	
	5Q		16,751	151	B4-U0-G2	17,749	160	B4-U0-G2	17,789	160	B4-U0-G2	
	5QW		16,271	147	B5-U0-G3	17,241	155	B5-U0-G3	17,279	156	B5-U0-G3	
	AFR		14,815	133	B2-U0-G1	15,698	141	B2-U0-G1	15,733	142	B2-U0-G1	
	AM		16,723	151	B1-U0-G2	17,720	160	B1-U0-G2	17,760	160	B1-U0-G2	
	WF		17,260	155	B4-U0-G1	18,289	165	B4-U0-G1	18,330	165	B4-U0-G1	
	LC/RC		14,081	127	B2-U0-G4	14,920	134	B2-U0-G4	14,954	135	B2-U0-G4	
21L	2	70	18,480	142	B3-U0-G5	19,582	151	B3-U0-G5	19,625	151	B3-U0-G5	130
	2M		17,314	133	B2-U0-G3	18,346	141	B2-U0-G3	18,387	141	B2-U0-G3	
	3M		17,624	136	B2-U0-G4	18,674	144	B2-U0-G4	18,716	144	B2-U0-G4	
	3W		16,703	128	B3-U0-G5	17,699	136	B3-U0-G5	17,738	136	B3-U0-G5	
	4M		17,923	138	B1-U0-G4	18,992	146	B1-U0-G4	19,034	146	B1-U0-G4	
	4F		17,038	131	B2-U0-G5	18,053	139	B2-U0-G5	18,093	139	B2-U0-G5	
	4W		15,608	120	B2-U0-G5	16,538	127	B2-U0-G5	16,575	127	B2-U0-G5	
	FTM		17,186	132	B1-U0-G3	18,210	140	B1-U0-G3	18,251	140	B1-U0-G3	
	5QN		19,547	150	B4-U0-G2	20,712	159	B4-U0-G2	20,758	159	B4-U0-G2	
	5QM		19,923	153	B5-U0-G3	21,111	162	B5-U0-G3	21,158	162	B5-U0-G3	
	5Q		19,198	148	B5-U0-G3	20,342	156	B5-U0-G3	20,388	156	B5-U0-G3	
	5QW		18,648	143	B5-U0-G3	19,759	152	B5-U0-G3	19,804	152	B5-U0-G3	
	AFR		16,980	131	B2-U0-G1	17,992	138	B2-U0-G1	18,032	139	B2-U0-G1	
	AM		19,166	147	B1-U0-G2	20,308	156	B1-U0-G2	20,354	156	B1-U0-G2	
	WF		19,782	152	B4-U0-G1	20,960	161	B4-U0-G1	21,007	161	B4-U0-G1	
	LC/RC		16,138	124	B3-U0-G5	17,100	132	B3-U0-G5	17,138	132	B3-U0-G5	

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Delivered Lumens (70 CRI)											
Lumen Package	Distribution	CRI	3000K CCT / 70 CRI			4000K CCT / 70 CRI			5000K CCT / 70 CRI			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
24L	2	70	21,338	138	B3-U0-G5	22,609	146	B3-U0-G5	22,660	146	B3-U0-G5	155
	2M		19,992	129	B2-U0-G3	21,183	137	B2-U0-G3	21,230	137	B2-U0-G3	
	3M		20,349	131	B2-U0-G4	21,561	139	B2-U0-G4	21,610	139	B2-U0-G4	
	3W		19,286	124	B3-U0-G5	20,435	132	B3-U0-G5	20,480	132	B3-U0-G5	
	4M		20,695	134	B1-U0-G4	21,928	141	B1-U0-G5	21,977	142	B1-U0-G5	
	4F		19,672	127	B2-U0-G5	20,844	134	B2-U0-G5	20,890	135	B2-U0-G5	
	4W		18,022	116	B2-U0-G5	19,095	123	B2-U0-G5	19,138	123	B2-U0-G5	
	FTM		19,843	128	B1-U0-G4	21,026	136	B1-U0-G4	21,073	136	B1-U0-G4	
	5QN		22,569	146	B4-U0-G2	23,914	154	B4-U0-G2	23,967	154	B4-U0-G2	
	5QM		23,004	148	B5-U0-G3	24,375	157	B5-U0-G3	24,430	157	B5-U0-G3	
	5Q		22,167	155	B5-U0-G3	23,487	152	B5-U0-G3	23,540	152	B5-U0-G3	
	5QW		21,531	139	B5-U0-G3	22,815	147	B5-U0-G3	22,865	147	B5-U0-G3	
	AFR		19,567	126	B2-U0-G1	20,773	134	B2-U0-G1	20,779	134	B2-U0-G1	
	AM		22,130	143	B1-U0-G2	23,448	151	B1-U0-G2	23,501	151	B1-U0-G2	
	WF		22,840	147	B4-U0-G1	24,201	156	B4-U0-G1	24,255	156	B4-U0-G1	
	LC/RC		18,634	120	B3-U0-G5	19,744	127	B3-U0-G5	19,788	127	B3-U0-G5	
27L	2	70	23,816	134	B3-U0-G5	25,235	142	B3-U0-G5	25,292	142	B3-U0-G5	178
	2M		23,157	130	B2-U0-G4	24,537	138	B2-U0-G4	24,592	138	B2-U0-G4	
	3M		22,712	128	B2-U0-G4	24,066	135	B2-U0-G5	24,120	136	B2-U0-G5	
	3W		21,526	121	B3-U0-G5	22,808	128	B3-U0-G5	22,859	129	B3-U0-G5	
	4M		23,098	130	B2-U0-G5	24,475	137	B2-U0-G5	24,530	138	B2-U0-G5	
	4F		21,956	123	B2-U0-G5	23,265	131	B2-U0-G5	23,316	131	B2-U0-G5	
	4W		20,114	113	B2-U0-G5	21,313	120	B2-U0-G5	21,361	121	B2-U0-G5	
	FTM		22,148	124	B2-U0-G4	23,468	132	B2-U0-G4	23,521	133	B2-U0-G4	
	5QN		25,190	142	B4-U0-G2	26,691	150	B4-U0-G2	26,751	151	B4-U0-G2	
	5QM		25,676	144	B5-U0-G3	27,206	153	B5-U0-G3	27,267	153	B5-U0-G3	
	5Q		24,741	139	B5-U0-G3	26,215	147	B5-U0-G3	26,274	148	B5-U0-G3	
	5QW		24,032	135	B5-U0-G4	25,464	143	B5-U0-G4	25,521	144	B5-U0-G4	
	AFR		22,747	128	B2-U0-G2	24,102	135	B2-U0-G2	24,156	136	B2-U0-G2	
	AM		24,700	139	B1-U0-G3	26,172	147	B1-U0-G3	26,231	148	B1-U0-G3	
	WF		25,493	143	B4-U0-G1	27,012	152	B5-U0-G1	27,073	152	B4-U0-G1	
	LC/RC		20,798	117	B3-U0-G5	22,037	124	B3-U0-G5	22,086	125	B3-U0-G5	

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Delivered Lumens (80 CRI)

Lumen Package	Distribution	CRI	2700K CCT / 80 CRI			3000K CCT / 80 CRI			3500K CCT / 80 CRI			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
6L	2	80	4,843	133	B1-U0-G2	4,985	137	B1-U0-G2	5,009	138	B1-U0-G2	36
	2M		4,538	126	B1-U0-G2	4,670	130	B1-U0-G2	4,693	130	B1-U0-G2	
	3M		4,619	127	B1-U0-G2	4,754	131	B1-U0-G2	4,777	131	B1-U0-G2	
	3W		4,377	120	B1-U0-G3	4,505	124	B1-U0-G3	4,527	125	B1-U0-G3	
	4M		4,697	129	B0-U0-G2	4,835	133	B0-U0-G2	4,858	134	B0-U0-G2	
	4F		4,465	123	B1-U0-G3	4,595	126	B1-U0-G3	4,618	127	B1-U0-G3	
	4W		4,090	113	B1-U0-G2	4,210	116	B1-U0-G2	4,230	116	B1-U0-G2	
	FTM		4,504	124	B0-U0-G2	4,636	128	B0-U0-G2	4,658	128	B0-U0-G2	
	5QN		5,122	141	B2-U0-G0	5,272	145	B2-U0-G1	5,298	146	B2-U0-G0	
	5QM		5,221	144	B3-U0-G1	5,374	148	B3-U0-G1	5,400	149	B3-U0-G1	
	5Q		5,031	138	B3-U0-G1	5,178	143	B3-U0-G1	5,203	143	B3-U0-G1	
	5QW		4,887	134	B3-U0-G1	5,030	138	B3-U0-G1	5,054	139	B3-U0-G1	
	AFR		4,329	120	B1-U0-G0	4,456	124	B1-U0-G0	4,478	124	B1-U0-G0	
	AM		5,023	138	B0-U0-G1	5,170	142	B0-U0-G1	5,195	143	B0-U0-G1	
	WF		5,184	143	B2-U0-G0	5,336	147	B2-U0-G0	5,362	148	B2-U0-G0	
	LC/RC		4,229	116	B1-U0-G2	4,353	120	B1-U0-G2	4,374	120	B1-U0-G2	
9L	2	80	7,280	135	B1-U0-G3	7,493	139	B1-U0-G3	7,529	139	B1-U0-G3	54
	2M		6,821	126	B1-U0-G2	7,020	130	B1-U0-G2	7,054	131	B1-U0-G2	
	3M		6,943	129	B1-U0-G2	7,146	132	B1-U0-G2	7,181	133	B1-U0-G2	
	3W		6,580	122	B1-U0-G3	6,772	125	B1-U0-G3	6,805	126	B1-U0-G3	
	4M		7,061	131	B1-U0-G3	7,267	135	B1-U0-G3	7,303	135	B1-U0-G3	
	4F		6,711	124	B1-U0-G3	6,908	128	B1-U0-G3	6,941	129	B1-U0-G3	
	4W		6,148	114	B1-U0-G3	6,328	117	B1-U0-G3	6,359	118	B1-U0-G3	
	FTM		6,770	125	B1-U0-G2	6,968	129	B1-U0-G2	7,002	130	B1-U0-G2	
	5QN		7,700	143	B2-U0-G1	7,925	147	B3-U0-G1	7,964	148	B2-U0-G1	
	5QM		7,848	145	B3-U0-G2	8,078	150	B3-U0-G2	8,117	150	B3-U0-G2	
	5Q		7,562	140	B3-U0-G2	7,784	144	B3-U0-G2	7,822	145	B3-U0-G2	
	5QW		7,346	136	B3-U0-G2	7,561	140	B3-U0-G2	7,598	141	B3-U0-G2	
	AFR		6,689	124	B1-U0-G1	6,885	127	B1-U0-G1	6,918	128	B1-U0-G1	
	AM		7,550	140	B0-U0-G1	7,771	144	B0-U0-G1	7,809	145	B0-U0-G1	
	WF		7,792	144	B3-U0-G0	8,020	149	B3-U0-G0	8,060	149	B3-U0-G0	
	LC/RC		6,357	118	B1-U0-G3	6,543	121	B1-U0-G3	6,575	122	B1-U0-G3	
12L	2	80	9,906	134	B2-U0-G3	10,196	138	B2-U0-G3	10,245	139	B2-U0-G3	74
	2M		9,281	125	B1-U0-G2	9,553	129	B1-U0-G2	9,599	130	B1-U0-G2	
	3M		9,447	128	B1-U0-G3	9,723	132	B1-U0-G3	9,771	132	B1-U0-G3	
	3W		8,953	121	B2-U0-G3	9,215	125	B2-U0-G4	9,260	125	B2-U0-G3	
	4M		9,608	130	B1-U0-G3	9,889	134	B1-U0-G3	9,937	134	B1-U0-G3	
	4F		9,132	124	B1-U0-G4	9,399	127	B1-U0-G4	9,445	128	B1-U0-G4	
	4W		8,366	113	B1-U0-G3	8,611	117	B1-U0-G3	8,653	117	B1-U0-G3	
	FTM		9,212	125	B1-U0-G3	9,482	128	B1-U0-G3	9,528	129	B1-U0-G3	
	5QN		10,477	142	B3-U0-G1	10,784	146	B3-U0-G1	10,837	147	B3-U0-G1	
	5QM		10,680	145	B4-U0-G2	10,992	149	B4-U0-G2	11,046	149	B4-U0-G2	
	5Q		10,291	139	B4-U0-G2	10,592	143	B4-U0-G2	10,643	144	B4-U0-G2	
	5QW		9,996	135	B4-U0-G2	10,288	139	B4-U0-G2	10,338	140	B4-U0-G2	
	AFR		9,102	123	B1-U0-G1	9,368	127	B1-U0-G1	9,414	127	B1-U0-G1	
	AM		10,274	139	B1-U0-G2	10,574	143	B1-U0-G2	10,626	144	B1-U0-G2	
	WF		10,603	144	B3-U0-G0	10,914	148	B3-U0-G0	10,967	148	B3-U0-G0	
	LC/RC		8,651	117	B2-U0-G3	8,904	121	B2-U0-G3	8,947	121	B2-U0-G3	

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Delivered Lumens (80 CRI)

Lumen Package	Distribution	CRI	4000K CCT / 80 CRI			5000K CCT / 80 CRI			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
6L	2	80	5,219	144	B1-U0-G2	5,330	147	B1-U0-G2	36
	2M		4,890	136	B1-U0-G2	4,994	139	B1-U0-G2	
	3M		4,978	137	B1-U0-G2	5,083	140	B1-U0-G2	
	3W		4,717	130	B1-U0-G3	4,818	133	B1-U0-G3	
	4M		5,062	139	B0-U0-G2	5,170	142	B0-U0-G2	
	4F		4,812	132	B1-U0-G3	4,914	135	B1-U0-G3	
	4W		4,408	121	B1-U0-G2	4,502	124	B1-U0-G2	
	FTM		4,854	134	B0-U0-G2	4,957	136	B0-U0-G2	
	5QN		5,521	152	B2-U0-G1	5,638	155	B2-U0-G1	
	5QM		5,627	155	B3-U0-G1	5,747	158	B3-U0-G1	
	5Q		5,422	149	B3-U0-G1	5,537	152	B3-U0-G1	
	5QW		5,267	145	B3-U0-G1	5,379	148	B3-U0-G1	
	AFR		4,666	130	B1-U0-G1	4,765	132	B1-U0-G1	
	AM		5,413	149	B0-U0-G1	5,528	152	B0-U0-G1	
	WF		5,587	154	B2-U0-G0	5,706	157	B2-U0-G0	
	LC/RC		4,558	125	B1-U0-G2	4,655	128	B1-U0-G2	
9L	2	80	7,846	145	B1-U0-G3	8,012	148	B1-U0-G3	54
	2M		7,351	136	B1-U0-G2	7,507	139	B1-U0-G2	
	3M		7,482	139	B1-U0-G3	7,641	142	B1-U0-G3	
	3W		7,091	131	B1-U0-G3	7,242	134	B1-U0-G3	
	4M		7,609	141	B1-U0-G3	7,771	144	B1-U0-G3	
	4F		7,233	134	B1-U0-G3	7,387	137	B1-U0-G3	
	4W		6,626	123	B1-U0-G3	6,767	125	B1-U0-G3	
	FTM		7,296	135	B1-U0-G2	7,451	138	B1-U0-G2	
	5QN		8,298	154	B3-U0-G1	8,475	157	B3-U0-G1	
	5QM		8,458	157	B3-U0-G2	8,638	160	B3-U0-G2	
	5Q		8,150	151	B3-U0-G2	8,324	154	B3-U0-G2	
	5QW		7,917	147	B3-U0-G2	8,085	150	B3-U0-G2	
	AFR		7,208	133	B1-U0-G1	7,362	136	B1-U0-G1	
	AM		8,137	151	B0-U0-G1	8,310	154	B0-U0-G1	
	WF		8,398	156	B3-U0-G0	8,577	159	B3-U0-G0	
	LC/RC		6,851	127	B1-U0-G3	6,997	130	B1-U0-G3	
12L	2	80	10,676	144	B2-U0-G3	10,903	148	B2-U0-G3	74
	2M		10,002	135	B1-U0-G3	10,215	138	B1-U0-G3	
	3M		10,181	138	B1-U0-G3	10,398	141	B1-U0-G3	
	3W		9,649	131	B2-U0-G4	9,854	133	B2-U0-G4	
	4M		10,354	140	B1-U0-G3	10,574	143	B1-U0-G3	
	4F		9,842	133	B1-U0-G4	10,051	136	B1-U0-G4	
	4W		9,017	122	B1-U0-G3	9,208	125	B1-U0-G3	
	FTM		9,928	134	B1-U0-G3	10,139	137	B1-U0-G3	
	5QN		11,292	153	B3-U0-G1	11,532	156	B3-U0-G1	
	5QM		11,510	156	B4-U0-G2	11,754	159	B4-U0-G2	
	5Q		11,090	150	B4-U0-G2	11,326	153	B4-U0-G2	
	5QW		10,773	146	B4-U0-G2	11,002	149	B4-U0-G2	
	AFR		9,809	133	B1-U0-G1	10,017	135	B1-U0-G1	
	AM		11,072	150	B1-U0-G2	11,308	153	B1-U0-G2	
	WF		11,428	155	B3-U0-G0	11,671	158	B3-U0-G0	
	LC/RC		9,323	126	B2-U0-G3	9,521	129	B2-U0-G3	

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Delivered Lumens (80 CRI)

Lumen Package	Distribution	CRI	2700K CCT / 80 CRI			3000K CCT / 80 CRI			3500K CCT / 80 CRI			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
15L	2	80	12,004	132	B2-U0-G3	12,355	136	B2-U0-G3	12,415	137	B2-U0-G3	91
	2M		11,447	126	B1-U0-G3	11,782	129	B1-U0-G3	11,840	130	B1-U0-G3	
	3M		11,448	126	B1-U0-G3	11,783	130	B1-U0-G3	11,840	131	B1-U0-G3	
	3W		10,849	120	B2-U0-G4	11,167	123	B2-U0-G4	11,221	124	B2-U0-G4	
	4M		11,642	128	B1-U0-G3	11,983	132	B1-U0-G3	12,041	133	B1-U0-G3	
	4F		11,066	122	B1-U0-G4	11,390	126	B1-U0-G4	11,445	126	B1-U0-G4	
	4W		10,138	112	B1-U0-G3	10,435	115	B1-U0-G3	10,486	116	B1-U0-G3	
	FTM		11,163	123	B1-U0-G3	11,490	127	B1-U0-G3	11,546	127	B1-U0-G3	
	5QN		12,696	140	B3-U0-G1	13,068	144	B3-U0-G1	13,131	145	B3-U0-G1	
	5QM		12,941	143	B4-U0-G2	13,320	147	B4-U0-G2	13,385	148	B4-U0-G2	
	5Q		12,470	138	B4-U0-G2	12,835	142	B4-U0-G2	12,897	142	B4-U0-G2	
	5QW		12,113	134	B4-U0-G2	12,467	138	B4-U0-G2	12,528	138	B4-U0-G2	
	AFR		11,029	121	B2-U0-G1	11,352	125	B2-U0-G1	11,407	125	B2-U0-G1	
	AM		12,449	137	B1-U0-G2	12,814	141	B1-U0-G2	12,876	142	B1-U0-G2	
	WF		12,849	142	B3-U0-G1	13,225	146	B3-U0-G1	13,289	147	B3-U0-G1	
	LC/RC		10,482	116	B2-U0-G3	10,789	119	B2-U0-G4	10,842	120	B2-U0-G3	
18L	2	80	14,526	131	B2-U0-G4	14,952	135	B2-U0-G4	15,024	135	B2-U0-G4	111
	2M		13,853	125	B2-U0-G3	14,259	128	B2-U0-G3	14,328	129	B2-U0-G3	
	3M		13,853	125	B1-U0-G3	14,259	129	B1-U0-G3	14,328	129	B1-U0-G3	
	3W		13,129	118	B2-U0-G4	13,514	122	B2-U0-G5	13,579	122	B2-U0-G4	
	4M		14,089	127	B1-U0-G3	14,501	131	B1-U0-G3	14,572	131	B1-U0-G3	
	4F		13,392	121	B1-U0-G5	13,784	124	B2-U0-G5	13,851	125	B1-U0-G5	
	4W		12,269	111	B1-U0-G4	12,628	114	B1-U0-G4	12,689	114	B1-U0-G4	
	FTM		13,509	122	B1-U0-G3	13,905	125	B1-U0-G3	13,972	126	B1-U0-G3	
	5QN		15,365	138	B3-U0-G2	15,814	143	B3-U0-G2	15,891	143	B3-U0-G2	
	5QM		15,661	141	B4-U0-G2	16,119	145	B4-U0-G2	16,198	146	B4-U0-G2	
	5Q		15,091	136	B4-U0-G2	15,532	140	B4-U0-G2	15,608	141	B4-U0-G2	
	5QW		14,658	132	B4-U0-G2	15,087	136	B4-U0-G2	15,161	137	B4-U0-G2	
	AFR		13,347	120	B2-U0-G1	13,737	124	B2-U0-G1	13,804	124	B2-U0-G1	
	AM		15,066	136	B1-U0-G2	15,507	140	B1-U0-G2	15,582	140	B1-U0-G2	
	WF		15,549	140	B3-U0-G1	16,004	144	B3-U0-G1	16,082	145	B3-U0-G1	
	LC/RC		12,685	114	B2-U0-G4	13,057	118	B2-U0-G4	13,120	118	B2-U0-G4	
21L	2	80	16,649	128	B2-U0-G4	17,136	131	B2-U0-G4	17,219	132	B2-U0-G4	130
	2M		15,598	120	B2-U0-G3	16,055	123	B2-U0-G3	16,133	124	B2-U0-G3	
	3M		15,877	122	B2-U0-G3	16,342	125	B2-U0-G4	16,422	126	B2-U0-G3	
	3W		15,047	115	B2-U0-G5	15,488	119	B2-U0-G5	15,563	119	B2-U0-G5	
	4M		16,147	124	B1-U0-G4	16,620	128	B1-U0-G4	16,701	128	B1-U0-G4	
	4F		15,348	118	B2-U0-G5	15,797	121	B2-U0-G5	15,874	122	B2-U0-G5	
	4W		14,061	108	B2-U0-G4	14,473	111	B2-U0-G4	14,543	112	B2-U0-G4	
	FTM		15,483	119	B1-U0-G3	15,936	122	B1-U0-G3	16,014	123	B1-U0-G3	
	5QN		17,609	135	B3-U0-G2	18,125	139	B3-U0-G2	18,213	140	B3-U0-G2	
	5QM		17,949	138	B4-U0-G2	18,474	142	B4-U0-G2	18,564	142	B4-U0-G2	
	5Q		17,295	133	B4-U0-G2	17,801	137	B4-U0-G2	17,888	137	B4-U0-G2	
	5QW		16,800	129	B5-U0-G3	17,291	133	B5-U0-G3	17,376	133	B5-U0-G3	
	AFR		15,297	118	B2-U0-G1	15,745	121	B2-U0-G1	15,822	122	B2-U0-G1	
	AM		17,267	133	B1-U0-G2	17,772	136	B1-U0-G2	17,859	137	B1-U0-G2	
	WF		17,821	137	B4-U0-G1	18,343	141	B4-U0-G1	18,432	141	B4-U0-G1	
	LC/RC		14,539	112	B2-U0-G4	14,964	115	B2-U0-G4	15,037	115	B2-U0-G4	

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Delivered Lumens (80 CRI)

Lumen Package	Distribution	CRI	4000K CCT / 80 CRI			5000K CCT / 80 CRI			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
15L	2	80	12,937	143	B2-U0-G4	13,212	146	B2-U0-G4	91
	2M		12,337	136	B1-U0-G3	12,599	138	B1-U0-G3	
	3M		12,337	136	B1-U0-G3	12,600	139	B1-U0-G3	
	3W		11,692	129	B2-U0-G4	11,941	132	B2-U0-G4	
	4M		12,547	138	B1-U0-G3	12,814	141	B1-U0-G3	
	4F		11,926	132	B1-U0-G4	12,180	134	B1-U0-G4	
	4W		10,926	121	B1-U0-G4	11,158	123	B1-U0-G4	
	FTM		12,031	133	B1-U0-G3	12,287	136	B1-U0-G3	
	5QN		13,683	151	B3-U0-G1	13,974	154	B3-U0-G1	
	5QM		13,947	154	B4-U0-G2	14,244	157	B4-U0-G2	
	5Q		13,439	148	B4-U0-G2	13,725	151	B4-U0-G2	
	5QW		13,054	144	B4-U0-G2	13,332	147	B4-U0-G2	
	AFR		11,886	131	B2-U0-G1	12,139	133	B2-U0-G1	
	AM		13,417	148	B1-U0-G2	13,702	151	B1-U0-G2	
	WF		13,848	153	B3-U0-G1	14,142	156	B3-U0-G1	
	LC/RC		11,297	125	B2-U0-G4	11,537	127	B2-U0-G4	
18L	2	80	15,656	141	B2-U0-G4	15,988	144	B2-U0-G4	111
	2M		14,930	135	B2-U0-G3	15,248	137	B2-U0-G3	
	3M		14,930	135	B1-U0-G3	15,248	137	B1-U0-G3	
	3W		14,150	128	B2-U0-G5	14,451	130	B2-U0-G5	
	4M		15,184	137	B1-U0-G4	15,507	140	B1-U0-G4	
	4F		14,433	130	B2-U0-G5	14,740	133	B2-U0-G5	
	4W		13,222	119	B1-U0-G4	13,503	122	B1-U0-G4	
	FTM		14,559	131	B1-U0-G3	14,869	134	B1-U0-G3	
	5QN		16,559	149	B3-U0-G2	16,911	152	B3-U0-G2	
	5QM		16,878	152	B4-U0-G2	17,237	155	B4-U0-G2	
	5Q		16,264	147	B4-U0-G2	16,609	150	B4-U0-G2	
	5QW		15,798	142	B4-U0-G3	16,133	145	B4-U0-G3	
	AFR		14,384	130	B2-U0-G1	14,690	132	B2-U0-G1	
	AM		16,237	146	B1-U0-G2	16,582	149	B1-U0-G2	
	WF		16,758	151	B4-U0-G1	17,114	154	B4-U0-G1	
	LC/RC		13,672	123	B2-U0-G4	13,962	126	B2-U0-G4	
21L	2	80	17,943	138	B3-U0-G4	18,324	141	B3-U0-G4	130
	2M		16,810	129	B2-U0-G3	17,168	132	B2-U0-G3	
	3M		17,112	131	B2-U0-G4	17,475	134	B2-U0-G4	
	3W		16,217	124	B2-U0-G5	16,562	127	B2-U0-G5	
	4M		17,402	134	B1-U0-G4	17,772	136	B1-U0-G4	
	4F		16,541	127	B2-U0-G5	16,893	130	B2-U0-G5	
	4W		15,154	116	B2-U0-G4	15,476	119	B2-U0-G4	
	FTM		16,686	128	B1-U0-G3	17,041	131	B1-U0-G3	
	5QN		18,978	146	B3-U0-G2	19,381	149	B3-U0-G2	
	5QM		19,344	148	B4-U0-G2	19,755	152	B4-U0-G2	
	5Q		18,639	143	B4-U0-G2	19,036	146	B4-U0-G2	
	5QW		18,106	139	B5-U0-G3	18,490	142	B5-U0-G3	
	AFR		16,486	127	B2-U0-G1	16,837	130	B2-U0-G1	
	AM		18,609	143	B1-U0-G2	19,005	146	B1-U0-G2	
	WF		19,206	147	B4-U0-G1	19,615	151	B4-U0-G1	
	LC/RC		15,669	120	B2-U0-G4	16,002	123	B2-U0-G4	

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Delivered Lumens (80 CRI)

Lumen Package	Distribution	CRI	2700K CCT / 80 CRI			3000K CCT / 80 CRI			3500K CCT / 80 CRI			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
24L	2	80	19,223	124	B3-U0-G5	19,785	127	B3-U0-G5	19,882	128	B3-U0-G5	155
	2M		18,010	116	B2-U0-G3	18,537	120	B2-U0-G3	18,627	120	B2-U0-G3	
	3M		18,332	118	B2-U0-G4	18,869	122	B2-U0-G4	18,961	122	B2-U0-G4	
	3W		17,374	112	B3-U0-G5	17,882	115	B3-U0-G5	17,970	116	B3-U0-G5	
	4M		18,644	120	B1-U0-G4	19,189	124	B1-U0-G4	19,283	124	B1-U0-G4	
	4F		17,721	114	B2-U0-G5	18,240	117	B2-U0-G5	18,329	118	B2-U0-G5	
	4W		16,235	105	B2-U0-G5	16,710	108	B2-U0-G5	16,792	108	B2-U0-G5	
	FTM		17,877	115	B1-U0-G3	18,400	119	B1-U0-G3	18,489	119	B1-U0-G3	
	5QN		20,332	131	B4-U0-G2	20,927	135	B4-U0-G2	21,029	135	B4-U0-G2	
	5QM		20,724	133	B4-U0-G2	21,331	137	B5-U0-G3	21,435	138	B5-U0-G3	
	5Q		19,969	129	B5-U0-G3	20,554	132	B5-U0-G3	20,654	133	B5-U0-G3	
	5QW		19,397	125	B5-U0-G3	19,965	129	B5-U0-G3	20,062	129	B5-U0-G3	
	AFR		17,628	114	B2-U0-G1	18,144	117	B2-U0-G1	18,232	118	B2-U0-G1	
	AM		19,936	128	B1-U0-G2	20,520	132	B1-U0-G2	20,620	133	B1-U0-G2	
	WF		20,576	133	B4-U0-G1	21,178	136	B4-U0-G1	21,282	137	B4-U0-G1	
	LC/RC		16,787	108	B2-U0-G5	17,278	111	B3-U0-G5	17,362	112	B3-U0-G5	
27L	2	80	21,455	121	B3-U0-G5	22,083	124	B3-U0-G5	22,191	125	B3-U0-G5	178
	2M		20,862	117	B2-U0-G3	21,472	121	B2-U0-G3	21,577	121	B2-U0-G3	
	3M		20,461	116	B2-U0-G4	21,060	119	B2-U0-G4	21,163	120	B2-U0-G4	
	3W		19,392	110	B3-U0-G5	19,959	113	B3-U0-G5	20,057	113	B3-U0-G5	
	4M		20,809	117	B1-U0-G4	21,418	121	B1-U0-G4	21,522	121	B1-U0-G4	
	4F		19,779	111	B2-U0-G5	20,358	115	B2-U0-G5	20,458	115	B2-U0-G5	
	4W		18,121	103	B2-U0-G5	18,651	106	B2-U0-G5	18,742	106	B2-U0-G5	
	FTM		19,953	113	B1-U0-G4	20,537	116	B1-U0-G4	20,637	117	B1-U0-G4	
	5QN		22,693	128	B4-U0-G2	23,357	132	B4-U0-G2	23,471	133	B4-U0-G2	
	5QM		23,131	130	B5-U0-G3	23,808	134	B5-U0-G3	23,924	135	B5-U0-G3	
	5Q		22,288	126	B5-U0-G3	22,941	130	B5-U0-G3	23,053	130	B5-U0-G3	
	5QW		21,650	122	B5-U0-G3	22,284	126	B5-U0-G3	22,392	127	B5-U0-G3	
	AFR		20,492	115	B2-U0-G1	21,092	118	B2-U0-G1	21,195	119	B2-U0-G1	
	AM		22,252	126	B1-U0-G2	22,903	130	B1-U0-G2	23,015	130	B1-U0-G2	
	WF		22,966	129	B4-U0-G1	23,638	133	B4-U0-G1	23,753	134	B4-U0-G1	
	LC/RC		18,736	106	B3-U0-G5	19,285	109	B3-U0-G5	19,379	110	B3-U0-G5	

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Delivered Lumens (80 CRI)

Lumen Package	Distribution	CRI	4000K CCT / 80 CRI			5000K CCT / 80 CRI			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
24L	2	80	20,717	133	B3-U0-G5	21,157	136	B3-U0-G5	155
	2M		19,410	125	B2-U0-G3	19,823	128	B2-U0-G3	
	3M		19,757	127	B2-U0-G4	20,177	130	B2-U0-G4	
	3W		18,724	121	B3-U0-G5	19,122	123	B3-U0-G5	
	4M		20,093	129	B1-U0-G4	20,520	132	B1-U0-G4	
	4F		19,099	123	B2-U0-G5	19,505	126	B2-U0-G5	
	4W		17,497	113	B2-U0-G5	17,869	115	B2-U0-G5	
	FTM		19,266	124	B1-U0-G3	19,676	127	B1-U0-G3	
	5QN		21,912	141	B4-U0-G2	22,378	144	B4-U0-G2	
	5QM		22,335	144	B5-U0-G3	22,810	147	B5-U0-G3	
	5Q		21,521	139	B5-U0-G3	21,979	142	B5-U0-G3	
	5QW		20,905	135	B5-U0-G3	21,349	138	B5-U0-G3	
	AFR		18,998	123	B2-U0-G1	19,402	125	B2-U0-G1	
	AM		21,486	138	B1-U0-G2	21,943	141	B1-U0-G2	
	WF		22,176	143	B4-U0-G1	22,647	146	B4-U0-G1	
	LC/RC		18,091	117	B3-U0-G5	18,476	119	B3-U0-G5	
27L	2	80	23,123	130	B3-U0-G5	23,615	133	B3-U0-G5	178
	2M		22,483	126	B2-U0-G4	22,961	129	B2-U0-G4	
	3M		22,052	125	B2-U0-G4	22,521	127	B2-U0-G4	
	3W		20,899	118	B3-U0-G5	21,343	121	B3-U0-G5	
	4M		22,427	126	B1-U0-G5	22,903	129	B1-U0-G5	
	4F		21,317	120	B2-U0-G5	21,770	123	B2-U0-G5	
	4W		19,529	111	B2-U0-G5	19,944	113	B2-U0-G5	
	FTM		21,504	122	B1-U0-G4	21,961	124	B1-U0-G4	
	5QN		24,457	138	B4-U0-G2	24,977	141	B4-U0-G2	
	5QM		24,929	140	B5-U0-G3	25,459	143	B5-U0-G3	
	5Q		24,021	136	B5-U0-G3	24,532	138	B5-U0-G3	
	5QW		23,333	132	B5-U0-G3	23,829	135	B5-U0-G3	
	AFR		22,085	124	B2-U0-G1	22,554	127	B2-U0-G2	
	AM		23,982	136	B1-U0-G2	24,491	138	B1-U0-G2	
	WF		24,751	139	B4-U0-G1	25,277	142	B4-U0-G1	
	LC/RC		20,193	115	B3-U0-G5	20,622	117	B3-U0-G5	

Electrical Data (Amps)[1]

Lumen Package	120V	208V	240V	277V	347V	480V	Wattage
6L	0.30	0.17	0.15	0.13	0.10	0.08	36
9L	0.45	0.26	0.23	0.19	0.16	0.11	54
12L	0.62	0.36	0.31	0.27	0.21	0.15	74
15L	0.76	0.44	0.38	0.33	0.26	0.19	91
18L	0.93	0.53	0.46	0.40	0.32	0.23	111
21L	1.08	0.63	0.54	0.47	0.37	0.27	130
24L	1.29	0.75	0.65	0.56	0.45	0.32	155
27L	1.46	0.84	0.73	0.63	0.50	0.36	175

Recommended Lumen Maintenance

Ambient Temp	Lumen Multiplier				
C	0 hrs.[2]	25K hrs.[2]	50K hrs.[2]	75K hrs.[3]	100K hrs.[3]
50 C	100%	94%	88%	83%	78%

1 Lumen maintenance values at 40C are calculated per TM-21 based on LM-80 data and in-situ testing.
2 In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
3 In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

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PHOTOMETRICS

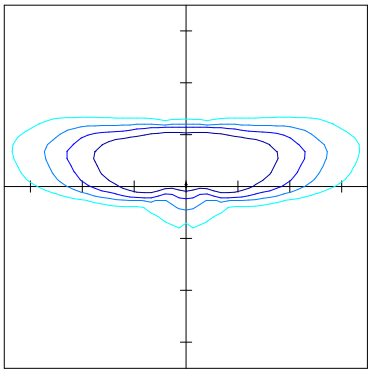
Back to Quick Links

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See the individual product page on https://www.lsicorp.com/ for detailed photometric data.

VALS 18L 2 40K8

V-LOCITY Area Small, 18,000lm, Type 2 Distribution



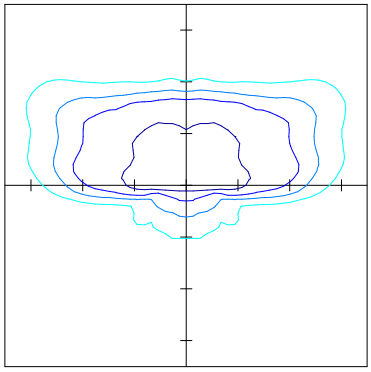
20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

Shielding	No Shield	W/Shield
IES Type	III Medium	III Medium
BUG Rating	B2-U0-G4	B1-U0-G3
Street Side Lumen %	87.3%	96.1%
House Side Lumen %	12.7%	3.9%
Uplight %	0.0%	0.0%

VALS 18L 3W 40K8

V-LOCITY Area Small, 18,000lm, Type 3 Wide Distribution



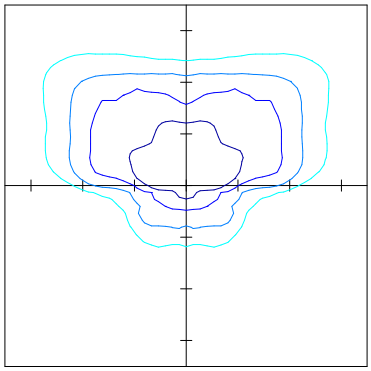
20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

Shielding	No Shield	W/Shield
IES Type	IV Medium	IV Medium
BUG Rating	B2-U0-G5	B1-U0-G4
Street Side Lumen %	86.9%	94.0%
House Side Lumen %	13.1%	6.0%
Uplight %	0.0%	0.0%

VALS 18L 4W 40K8

V-LOCITY Area Small, 18,000lm, Type 4 Wide Distribution



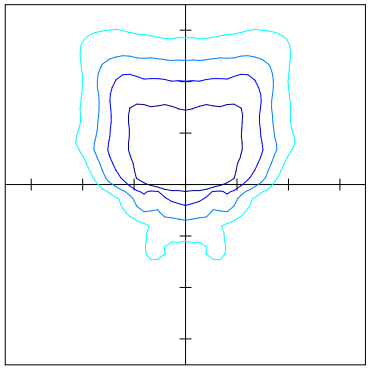
20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

Shielding	No Shield	W/Shield
IES Type	IV Medium	IV Medium
BUG Rating	B1-U0-G4	B0-U0-G3
Street Side Lumen %	89.9%	94.0%
House Side Lumen %	10.1%	3.5%
Uplight %	0.0%	0.0%

VALS 18L 4F 40K8

V-LOCITY Area Small, 18,000lm, Type 4 Forward Distribution



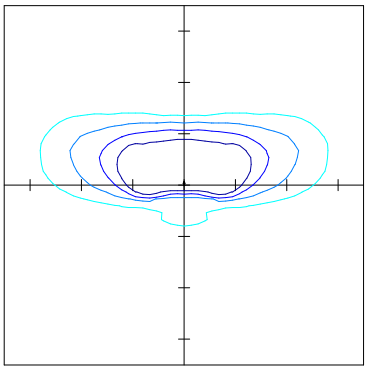
20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

Shielding	No Shield	W/Shield
IES Type	IV Short	IV Shortt
BUG Rating	B2-U0-G5	B0-U0-G3
Street Side Lumen %	89.7%	98.3%
House Side Lumen %	10.3%	1.7%
Uplight %	0.0%	0.0%

VALS 18L 2M 40K8

V-LOCITY Area Small, 18,000lm, Type 2 Medium Distribution



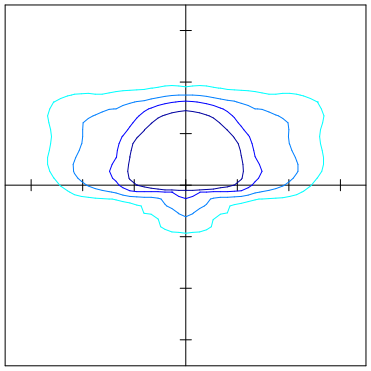
20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

Shielding	No Shield	W/Shield
IES Type	II Short	TBD
BUG Rating	B2-U0-G3	TBD
Street Side Lumen %	86.5%	TBD
House Side Lumen %	13.5%	TBD
Uplight %	0.0%	0.0%

VALS 18L 3M 40K8

V-LOCITY Area Small, 18,000lm, Type 3 Medium Distribution



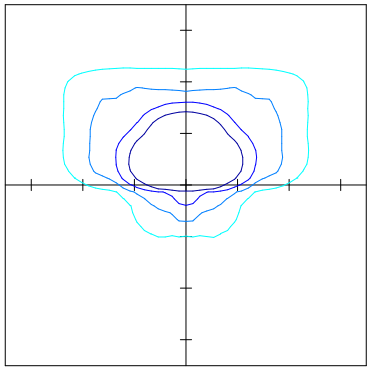
20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

Shielding	No Shield	W/Shield
IES Type	III Very Short	III Very Short
BUG Rating	B1-U0-G3	B1-U0-G3
Street Side Lumen %	93.4%	97.2%
House Side Lumen %	8.6%	2.8%
Uplight %	0.0%	0.0%

VALS 18L FTM 40K8

V-LOCITY Area Small, 18,000lm, Forward Throw Medium Distribution



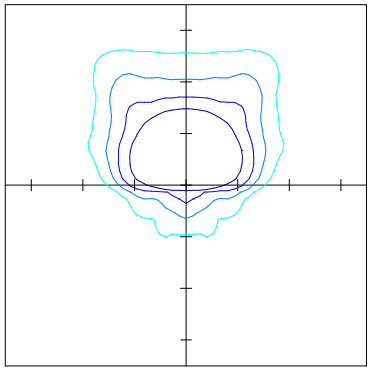
20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

Shielding	No Shield	W/Shield
IES Type	III Very Short	III Very Short
BUG Rating	B1-U0-G3	B0-U0-G3
Street Side Lumen %	93.0%	98.4%
House Side Lumen %	7.0%	1.6%
Uplight %	0.0%	0.0%

VALS 18L 4M 40K8

V-LOCITY Area Small, 18,000lm, Type 4 Medium Distribution



20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

Shielding	No Shield	W/Shield
IES Type	IV Very Short	III Very Short
BUG Rating	B1-U0-G4	B0-U0-G2
Street Side Lumen %	92.9%	99.0%
House Side Lumen %	7.1%	1.0%
Uplight %	0.0%	0.0%

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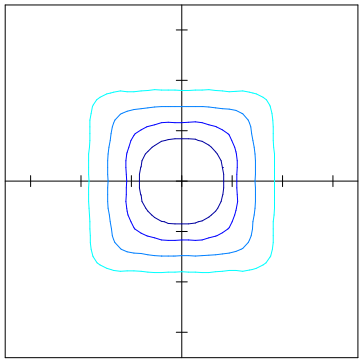
PHOTOMETRICS (CONTINUED)

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See the individual product page on https://www.lsicorp.com/ for detailed photometric data.

VALS 18L 5QN 40K8

V-LOCITY Area Small, 18,000lm, Type 5 Square Narrow Distribution



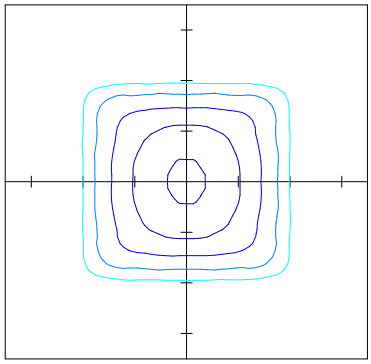
20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

IES Type	VS Very Short
BUG Rating	B3-U0-G2
0 - 60° Zonal Lumens	73.8%
60 - 90° Zonal Lumens	26.2%
Uplight %	0.0%

VALS 18L 5QM 40K8

V-LOCITY Area Small, 18,000lm, Type 5 Square Medium Distribution



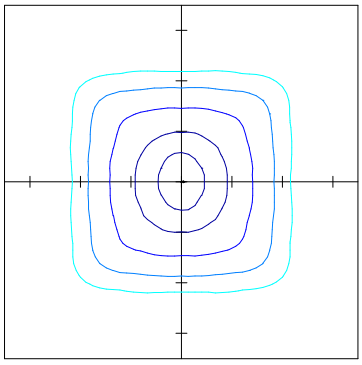
20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

IES Type	VS Short
BUG Rating	B4-U0-G2
0 - 60° Zonal Lumens	51.0%
60 - 90° Zonal Lumens	49.0%
Uplight %	0.0%

VALS 18L 5Q 40K8

V-LOCITY Area Small, 18,000lm, Type 5 Square Distribution



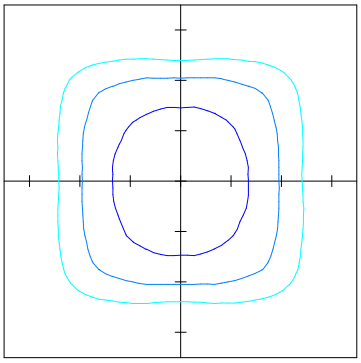
20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

IES Type	VS Medium
BUG Rating	B5-U0-G3
0 - 60° Zonal Lumens	41.8%
60 - 90° Zonal Lumens	58.2%
Uplight %	0.0%

VALS 18L 5QW 40K8

V-LOCITY Area Small, 18,000lm, Type 5 Square Wide Distribution



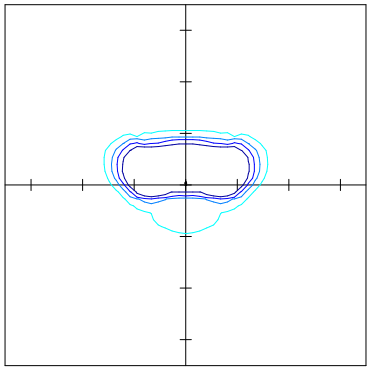
20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

IES Type	VS Medium
BUG Rating	B5-U0-G3
0 - 60° Zonal Lumens	33.7%
60 - 90° Zonal Lumens	66.3%
Uplight %	0.0%

VALS 18L AFR 40K8

V-LOCITY Area Small, 18,000lm, Automotive Front Row Distribution



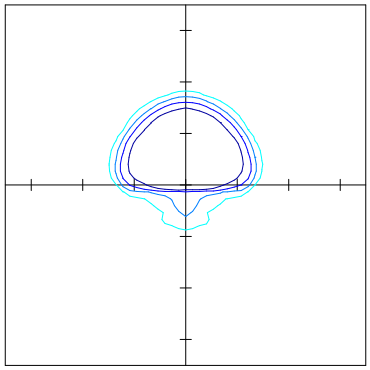
20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

Shielding	No Shield	W/Shield
IES Type	I Short	TBD
BUG Rating	B2-U0-G1	TBD
Street Side Lumen %	85.0%	TBD
House Side Lumen %	15.0%	TBD
Uplight %	0.0%	0.0%

VALS 18L AM 40K8

V-LOCITY Area Small, 18,000lm, Automotive Merchandise Distribution



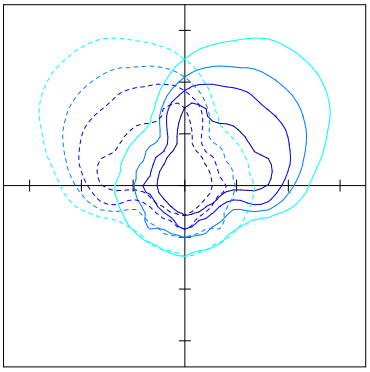
20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

Shielding	No Shield	W/Shield
IES Type	III Very Short	III Very Short
BUG Rating	B1-U0-G2	B0-U0-G2
Street Side Lumen %	95.3%	99.3%
House Side Lumen %	4.7%	0.7%
Uplight %	0.0%	0.0%

VALS 18L LC/RC 40K8

V-LOCITY Area Small, 18,000lm, Left & Right Corner Distribution



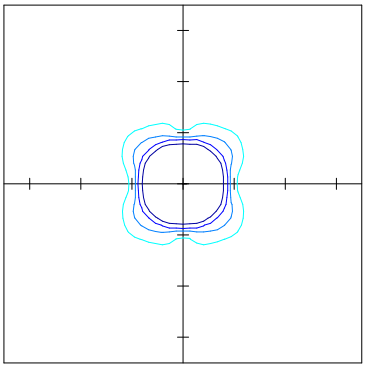
20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

Shielding	No Shield	W/Shield
IES Type	N/A	N/A
BUG Rating	B2-U0-G4	B1-U0-G3
Street Side Lumen %	75.9%	91.9%
House Side Lumen %	24.1%	8.1%
Uplight %	0.0%	0.0%

VALS 18L WF 40K8

V-LOCITY Area Small, 18,000lm, Wide Flood Distribution



20' Mounting Height / 30' Grid Spacing

2 FC 1 FC 0.5 FC 0.2 FC

NEMA Type	6x6
Max Candela	9,352
Max Candela Angle	-19.5H x -29V
Beam Angle	80.7 x 90.0°
Field Angle	109.9 x 117.7°

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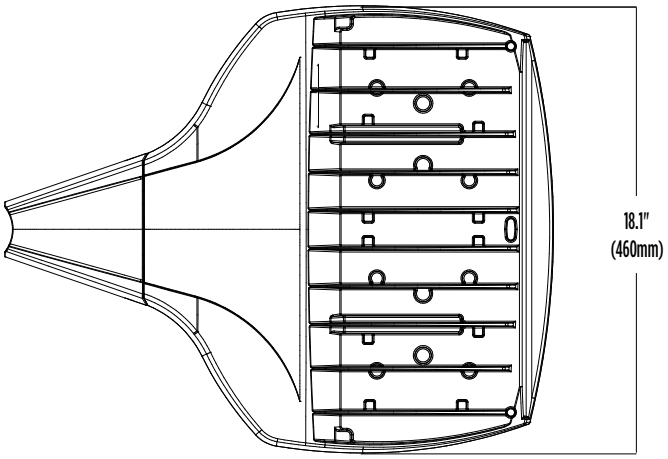
V-Locity® Small (VALS) Outdoor LED Area Light

Type : _____

Have questions? Call us at (800) 436-7800

PRODUCT DIMENSIONS

Back to Quick Links



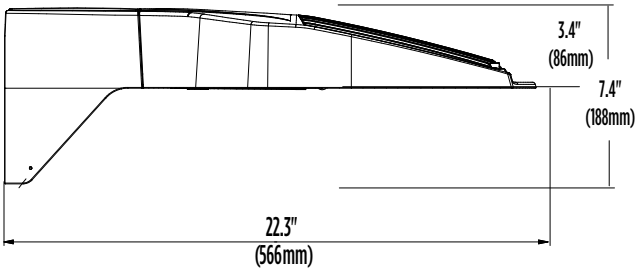
Luminaire EPA Chart - SA Side Arm		
Tilt Degree		0°
	Single	0.7
	D180°	1.3
	D90°	1.0
	T90°	1.4
	TN120°	1.5
	Q90°	1.4

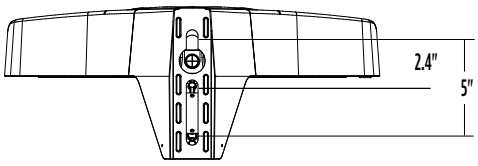
Luminaire EPA Chart - UA Universal Adjustable Arm						
Tilt Degree		0°	15°	30°	45°	60°
	Single	0.8	0.8	1.3	1.8	2.1
	D180°	1.5	1.9	2.5	3.2	3.8
	D90°	1.5	1.9	2.5	3.2	3.8
	T90°	1.8	2.1	2.7	3.2	3.8
	TN120°	1.8	2.3	3.4	4.3	5.0
	Q90°	1.8	2.1	2.7	3.2	3.8

Luminaire EPA Chart - MA Mast Arm		
Tilt Degree		0°
	Single	0.5

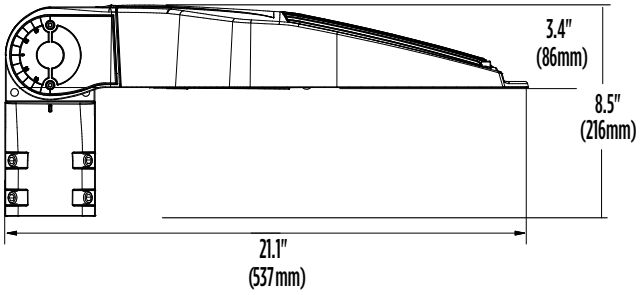
Luminaire EPA Chart - SF Adjustable Slip Fitter						
Tilt Degree		0°	15°	30°	45°	60°
	Single	0.7	1.3	1.4	1.8	2.2

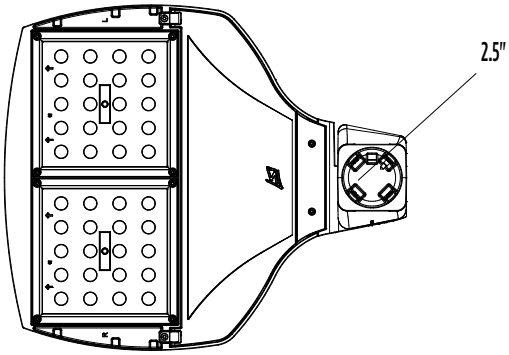
SA Universal Side Arm Mount



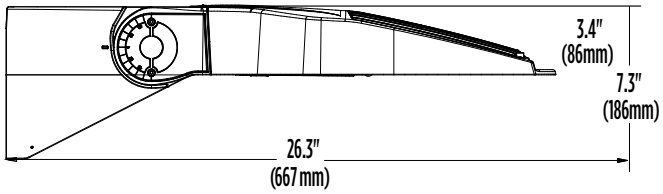


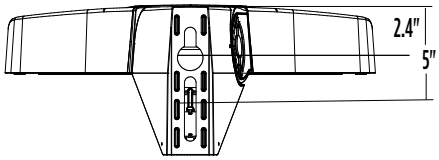
SF Adjustable Slipfitter



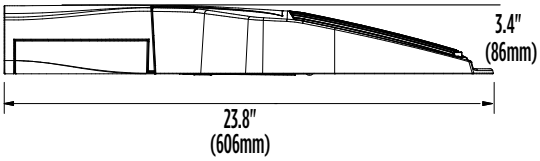


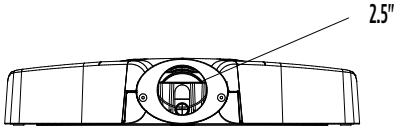
UA Universal Adjustable Arm





MA Mast Arm





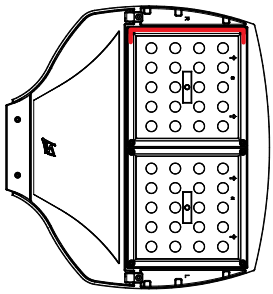
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EXTERNAL SHIELDING

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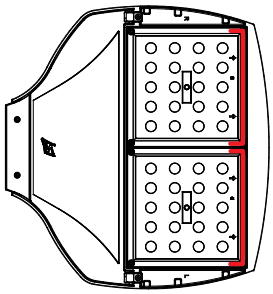
Field installable external shields are available in 1.5” and 3” depths for blocking visibility of the light sorce from any side of the luminaire (consult factory for custom shield sizes). For “house side” shielding we recommend using the integral shield option which provides effictive spill light control and also block visability of the light source behind the luminaire. Due to the highly configurable nature of this product, IES files are not available for any external shield accessory configuration.

Side



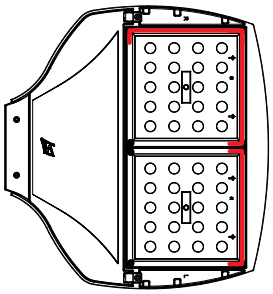
1 Shield per Luminiare

Front



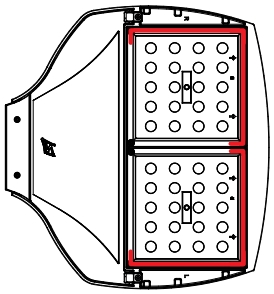
2 Shields per Luminiare

Side and Front



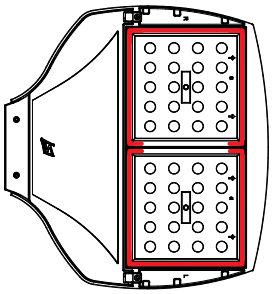
3 Shields per Luminiare

Both Sides and Front



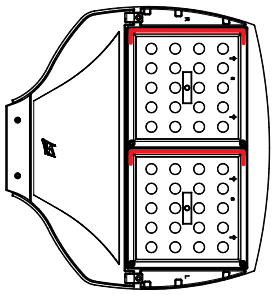
4 Shields per Luminiare

360º



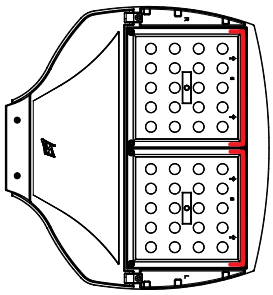
6 Shields per Luminiare

Side



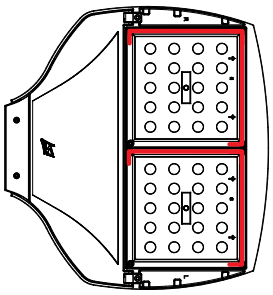
2 Shields per Luminiare

Front



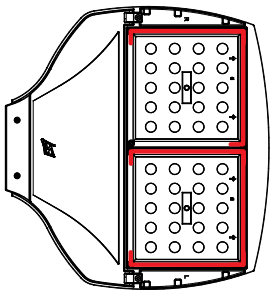
2 Shields per Luminiare

Side and Front



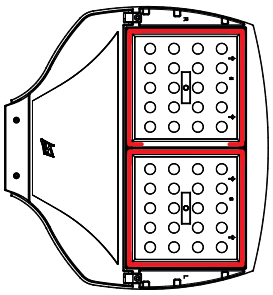
4 Shields per Luminiare

Both Sides and Front



5 Shields per Luminiare

360º



7 Shields per Luminiare

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CONTROLS

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Integral Bluetooth™ Motion and Photocell Sensor (IMSBTxL)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is IP66 rated for cold and wet locations (-40°F to 167°F). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

Click here to learn more details about IMSBT

LEVITON App Apple Android

AirLink Blue (ALBMRxLR, ALBCSx)

Wireless Bluetooth Mesh Lighting Control System that incorporates Luminaire Level Lighting Controls (LLLC) and high-end trim to provide energy savings code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App with technology partner Silvair. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

Click here to learn more details about AirLink Blue

AirLink Blue App Apple

Sensor Sequence of Operations

Standard Programming	On Event	Off Event	On Light Level	Dim Light Level	Daylight Harvesting	Delay To Off	Sensitivity
OMSBTxL/IMSBTxL	Motion	No Motion	100%	N/A	On; Auto Calibration	20 minutes	High
OMS	Motion	No Motion	N/A	N/A	N/A	30 seconds	Auto

Operation	Description
On Event	Trigger that activates lights to turn on; either automatic via motion detected or manually activated via push of button.
Off Event	Trigger that activates lights to turn off; either automatic via no motion detected or manually activated via push of button.
On Light Level	The light level that the fixtures will turn on to when ON EVENT occurs.
Dim Light Level	The light level that the fixtures will dim down to when no motion is detected.
Delay to Dim	The amount of time after which no motion is detected that the fixtures will be triggered to dim down. This sequence is optional, and sensor can be programmed to only trigger the fixture to turn off by entering 100% in this field.
Delay to Off	The amount of time after which no motion is detected that the fixtures will be triggered to turn off. If delay to dim is part of the programmed functionality, this is the amount of time after which no motion is detected after the fixture have already dimmed down.
Sensitivity	The sensitivity can be set to high, medium, low, or auto where applicable. High will detect smaller, simple motions. Low will only detect larger more complex motions. Auto temperature calibration adjusts the PIR sensitivity as ambient temperature rises to increase detection of heat movement through the field of view.

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