HADCO

Urban

Savannah

VX671 Post top



The Hadco Savannah LED post top luminaire is an authentic recreation of distinctive lighting from our American past. Blending old world charm with today's energy efficient light sources and optics, Savannah is a luminaire with outstanding versatility. For restoration areas where street lighting is required Savannah offers memorable accents that complement many architectural themes.

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Ordering guide

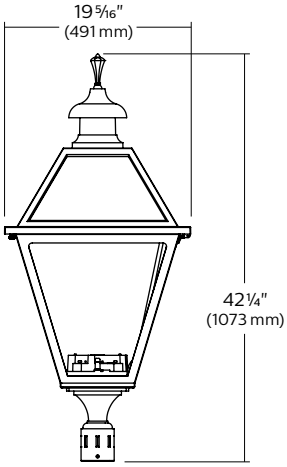
example: VX681-48-G3-A-C-2-N-N-730-A-3-N-SP1

Series	LED count	Gen	Finish	Panels	Distribution	Photocontrol Receptacle
VX671	**32** 32 LEDs[1,2] **48** 48 LEDs **64** 64 LEDs **80** 80 LEDs	**G3** Gen 3	**A** Black **B** White **G** Verde **H** Bronze **J** Green	**C** Clear **F** Frosted **V** Vertical	**2** Type 2 **2H** Type 2 w/ HSS **3** Type 3 **3H** Type 3 w/ HSS **3W** Type 3 Wide **3WH** Type 3 Wide w/ HSS **4** Type 4 **5** Type 5	**E** 120 VAC button eye **H** 208/240/277 VAC button eye **R** 3-Pin Twist Lock Receptacle **N** None

Future-Proof Receptacle	Color Temp	Voltage	Drive Current	Driver Options		Surge Protection
R7 7-pin receptacle in cage **N** None	**730** Warm 3000K **740** Neutral 4000K	**A** 120-277 **B** 347-480[1,2]	**3** 350mA **5** 530mA **7** 700mA	**Dynadimmer** **DA** 4 Hrs, 25% reduction **DB** 4 Hrs, 50% reduction **DC** 4 Hrs, 75% reduction **DD** 6 Hrs, 25% reduction **DE** 6 Hrs, 50% reduction **DF** 6 Hrs, 75% reduction **DG** 8 Hrs, 25% reduction **DH** 8 Hrs, 50% reduction **DJ** 8 Hrs, 75% reduction	**DL** DALI **S** FAWS Field Adjustable Wattage Selector **SRD** Sensor ready driver (standard configuration) **SRD1** Sensor ready driver (alternate configuration) **N** None	**SP1** 10kV/10kA Surge Protector **SP2** 20kV/10kA Surge Protector

1. Configurations with 347-480V (B) voltage are not compatible with 32 LEDs (32) at 350mA (3).
2. Only available with 120-277V (A) voltage.

Dimensions



VX671
Height: 42 1/4" (107cm)
Width: 19 5/16" (49cm)
Max. EPA: 2.0 sq. ft.
Max. Weight: 37.5 lbs

BABA BAA

VX671 Savannah

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LED Wattage and Lumen Values for 3000K & 4000K fixtures with Clear Panels

Ordering Code	Total LEDs	System current (mA)	Average System Watts (W)	2			3			3W			4			5		
				Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
Clear Panel @ 3000K																		
32-G3-C-x-730-3	32	350	37	3109	B1-U2-G1	84	3146	B1-U2-G1	85	3120	B1-U2-G1	84	3052	B1-U2-G1	82	3132	B2-U3-G1	85
32-G3-C-x-730-5	32	530	54	5216	B1-U2-G1	97	5279	B1-U3-G1	98	5234	B1-U3-G1	97	5121	B1-U3-G1	95	5256	B3-U3-G1	97
32-G3-C-x-730-7	32	700	72	6636	B1-U3-G1	92	6717	B1-U3-G1	93	6660	B1-U3-G2	92	6516	B1-U3-G1	90	6687	B3-U3-G1	92
32-G3-C-x-730-9	32	900	93	8020	B1-U3-G1	86	8117	B1-U3-G1	87	8048	B1-U3-G2	86	7874	B1-U3-G1	85	8081	B3-U3-G1	87
48-G3-C-x-730-3	48	350	51	5454	B1-U2-G1	107	5520	B1-U3-G1	108	5473	B1-U3-G1	107	5355	B1-U3-G1	105	5495	B3-U3-G1	108
48-G3-C-x-730-5	48	530	79	7823	B1-U3-G1	99	7918	B1-U3-G1	100	7851	B2-U3-G2	100	7681	B1-U3-G2	97	7883	B3-U3-G1	100
48-G3-C-x-730-7	48	700	105	9666	B2-U3-G2	92	9783	B2-U3-G2	93	9700	B2-U3-G2	92	9490	B1-U3-G2	90	9740	B3-U3-G2	93
48-G3-C-x-730-9	48	900	136	11669	B2-U3-G2	86	11811	B2-U3-G2	87	11711	B2-U3-G2	86	11457	B1-U3-G2	84	11759	B3-U3-G2	87
64-G3-C-x-730-3	64	350	68	6980	B1-U3-G1	103	7065	B1-U3-G1	104	7005	B1-U3-G2	103	6853	B1-U3-G2	101	7033	B3-U3-G1	104
64-G3-C-x-730-5	64	530	105	10253	B2-U3-G2	97	10378	B2-U3-G2	98	10290	B2-U3-G2	98	10067	B1-U3-G2	96	10332	B3-U3-G2	98
64-G3-C-x-730-7	64	700	136	12451	B2-U3-G2	91	12602	B2-U3-G2	92	12495	B2-U3-G2	92	12225	B1-U3-G2	90	12546	B3-U3-G2	92
64-G3-C-x-730-9	64	900	179	15177	B2-U3-G2	85	15361	B2-U3-G2	86	15231	B2-U3-G2	85	14901	B1-U3-G2	83	15293	B3-U3-G2	85
80-G3-C-x-730-3	80	350	85	8724	B2-U3-G2	103	8830	B1-U3-G2	104	8756	B2-U3-G2	103	8566	B1-U3-G2	101	8791	B3-U3-G2	104
80-G3-C-x-730-5	80	530	128	12273	B2-U3-G2	96	12422	B2-U3-G2	97	12317	B2-U3-G2	97	12050	B2-U3-G2	94	12367	B4-U3-G2	97
80-G3-C-x-730-7	80	700	171	15408	B2-U3-G2	90	15595	B2-U3-G2	91	15463	B2-U3-G2	90	15128	B2-U3-G2	89	15526	B4-U3-G2	91
Clear Panel @ 4000K																		
32-G3-C-x-740-3	32	350	37	3326	B1-U2-G1	90	3367	B1-U2-G1	91	3338	B1-U2-G1	90	3266	B1-U2-G1	88	3352	B2-U3-G1	91
32-G3-C-x-740-5	32	530	54	5581	B1-U2-G1	103	5649	B1-U3-G1	105	5601	B1-U3-G1	104	5479	B1-U3-G1	101	5624	B3-U3-G1	104
32-G3-C-x-740-7	32	700	72	7101	B1-U3-G1	98	7187	B1-U3-G1	99	7126	B1-U3-G2	99	6972	B1-U3-G1	96	7155	B3-U3-G1	99
32-G3-C-x-740-9	32	900	93	8581	B1-U3-G1	92	8685	B1-U3-G1	93	8612	B1-U3-G2	93	8425	B1-U3-G1	90	8647	B3-U3-G1	93
48-G3-C-x-740-3	48	350	51	5835	B1-U2-G1	115	5906	B1-U3-G1	116	5856	B1-U3-G1	115	5729	B1-U3-G1	113	5880	B3-U3-G1	115
48-G3-C-x-740-5	48	530	79	7823	B1-U3-G1	99	7918	B1-U3-G1	100	7851	B2-U3-G2	100	7681	B1-U3-G2	97	7883	B3-U3-G1	100
48-G3-C-x-740-7	48	700	105	10342	B2-U3-G2	98	10468	B2-U3-G2	100	10379	B2-U3-G2	99	10154	B1-U3-G2	97	10422	B3-U3-G2	99
48-G3-C-x-740-9	48	900	136	12486	B2-U3-G2	92	12638	B2-U3-G2	93	12531	B2-U3-G2	92	12259	B1-U3-G2	90	12582	B3-U3-G2	93
64-G3-C-x-740-3	64	350	68	7468	B1-U3-G1	110	7559	B1-U3-G1	111	7495	B1-U3-G2	110	7333	B1-U3-G2	108	7526	B3-U3-G1	111
64-G3-C-x-740-5	64	530	105	10971	B2-U3-G2	104	11104	B2-U3-G2	105	11010	B2-U3-G2	104	10772	B1-U3-G2	102	11055	B3-U3-G2	105
64-G3-C-x-740-7	64	700	136	13322	B2-U3-G2	98	13484	B2-U3-G2	99	13370	B2-U3-G2	98	13081	B1-U3-G2	96	13425	B3-U3-G2	98
64-G3-C-x-740-9	64	900	179	16239	B2-U3-G2	91	16436	B2-U3-G2	92	16297	B2-U3-G2	91	15944	B1-U3-G2	89	16364	B3-U3-G2	91
80-G3-C-x-740-3	80	350	85	9335	B2-U3-G2	110	9448	B1-U3-G2	111	9368	B2-U3-G2	110	9166	B1-U3-G2	108	9407	B3-U3-G2	111
80-G3-C-x-740-5	80	530	128	13132	B2-U3-G2	103	13292	B2-U3-G2	104	13179	B2-U3-G2	103	12894	B2-U3-G2	101	13233	B4-U3-G2	104
80-G3-C-x-740-7	80	700	171	16486	B2-U3-G2	96	16687	B2-U3-G2	98	16545	B2-U3-G2	97	16187	B2-U3-G2	95	16613	B4-U3-G2	97

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

VX671 Savannah

Post top

LED Wattage and Lumen Values for 3000K & 4000K fixtures with Frosted Panels

Ordering Code	Total LEDs	System current (mA)	Average System Watts (W)	2			3			3W			4			5		
				Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
Frosted Panels @ 3000K																		
32-G3-F-x-730-3	32	350	37	2848	B1-U3-G2	77	2857	B1-U3-G2	77	2857	B1-U3-G2	77	2817	B1-U3-G2	76	2826	B1-U3-G2	76
32-G3-F-x-730-5	32	530	54	4778	B1-U3-G2	88	4793	B1-U3-G2	89	4793	B1-U3-G3	89	4726	B1-U3-G3	88	4741	B2-U3-G2	88
32-G3-F-x-730-7	32	700	72	6079	B1-U3-G3	84	6098	B1-U3-G3	84	6098	B1-U3-G3	84	6013	B1-U3-G3	83	6032	B2-U3-G3	83
32-G3-F-x-730-9	32	900	93	7347	B1-U3-G1	79	7370	B1-U3-G1	79	7370	B1-U3-G2	79	7267	B1-U3-G1	78	7290	B3-U3-G1	78
48-G3-F-x-730-3	48	350	51	4996	B1-U3-G2	98	5012	B1-U3-G3	98	5012	B1-U3-G3	98	4942	B1-U3-G3	97	4958	B2-U3-G2	97
48-G3-F-x-730-5	48	530	79	7166	B2-U3-G3	91	7189	B2-U3-G3	91	7189	B2-U3-G3	91	7088	B1-U3-G3	90	7111	B3-U3-G3	90
48-G3-F-x-730-7	48	700	105	8855	B2-U3-G3	84	8883	B2-U3-G3	84	8883	B2-U3-G3	84	8758	B2-U3-G3	83	8786	B3-U3-G3	84
48-G3-F-x-730-9	48	900	136	10689	B2-U3-G2	79	10723	B2-U3-G2	79	10723	B2-U3-G2	79	10573	B1-U3-G2	78	10607	B3-U3-G2	78
64-G3-F-x-730-3	64	350	68	6394	B1-U3-G3	94	6414	B1-U3-G3	94	6414	B1-U3-G3	94	6324	B1-U3-G3	93	6345	B2-U3-G3	93
64-G3-F-x-730-5	64	530	105	9392	B2-U3-G3	89	9422	B2-U3-G3	89	9422	B2-U3-G4	89	9290	B2-U3-G4	88	9320	B3-U3-G3	88
64-G3-F-x-730-7	64	700	136	11406	B2-U3-G2	84	11442	B2-U3-G2	84	11442	B2-U3-G2	84	11282	B1-U3-G2	83	11318	B3-U3-G2	83
64-G3-F-x-730-9	64	900	179	13903	B2-U3-G2	78	13947	B2-U3-G2	78	13947	B2-U3-G2	78	13752	B1-U3-G2	77	13795	B3-U3-G2	77
80-G3-F-x-730-3	80	350	85	7992	B2-U3-G3	94	8017	B2-U3-G3	94	8017	B2-U3-G3	94	7905	B2-U3-G3	93	7930	B3-U4-G3	93
80-G3-F-x-730-5	80	530	128	11243	B2-U4-G3	88	11278	B2-U4-G4	88	11278	B2-U4-G4	88	11120	B2-U4-G4	87	11156	B3-U4-G4	87
80-G3-F-x-730-7	80	700	171	14115	B2-U3-G2	83	14159	B2-U3-G2	83	14159	B2-U3-G2	83	13961	B2-U3-G2	82	14005	B3-U4-G5	82
Frosted Panels @ 4000K																		
32-G3-F-x-740-3	32	350	37	3047	B1-U3-G2	82	3057	B1-U3-G2	83	3057	B1-U3-G2	83	3014	B1-U3-G2	81	3024	B1-U3-G2	82
32-G3-F-x-740-5	32	530	54	5113	B1-U3-G2	95	5129	B1-U3-G2	95	5129	B1-U3-G3	95	5057	B1-U3-G3	94	5073	B2-U3-G2	94
32-G3-F-x-740-7	32	700	72	6504	B1-U3-G3	90	6525	B1-U3-G3	90	6525	B1-U3-G3	90	6434	B1-U3-G3	89	6454	B2-U3-G3	89
32-G3-F-x-740-9	32	900	93	7861	B1-U3-G1	84	7886	B1-U3-G1	85	7886	B1-U3-G2	85	7775	B1-U3-G1	84	7800	B3-U3-G1	84
48-G3-F-x-740-3	48	350	51	5346	B1-U3-G2	105	5363	B1-U3-G3	105	5363	B1-U3-G3	105	5288	B1-U3-G3	104	5305	B2-U3-G2	104
48-G3-F-x-740-5	48	530	79	7668	B2-U3-G3	97	7692	B2-U3-G3	98	7692	B2-U3-G3	98	7584	B1-U3-G3	96	7609	B3-U3-G3	96
48-G3-F-x-740-7	48	700	105	9474	B2-U3-G3	90	9504	B2-U3-G3	90	9504	B2-U3-G3	90	9371	B2-U3-G3	89	9401	B3-U3-G3	89
48-G3-F-x-740-9	48	900	136	11438	B2-U3-G2	84	11474	B2-U3-G2	85	11474	B2-U3-G2	85	11313	B1-U3-G2	83	11349	B3-U3-G2	84
64-G3-F-x-740-3	64	350	68	6842	B1-U3-G3	101	6863	B1-U3-G3	101	6863	B1-U3-G3	101	6767	B1-U3-G3	100	6789	B2-U3-G3	100
64-G3-F-x-740-5	64	530	105	10050	B2-U3-G3	95	10081	B2-U3-G3	96	10081	B2-U3-G4	96	9940	B2-U3-G4	94	9972	B3-U3-G3	95
64-G3-F-x-740-7	64	700	136	12204	B2-U3-G2	90	12243	B2-U3-G2	90	12243	B2-U3-G2	90	12071	B1-U3-G2	89	12110	B3-U3-G2	89
64-G3-F-x-740-9	64	900	179	14876	B2-U3-G2	83	14923	B2-U3-G2	83	14923	B2-U3-G2	83	14714	B1-U3-G2	82	14761	B3-U3-G2	82
80-G3-F-x-740-3	80	350	85	8551	B2-U3-G3	101	8578	B2-U3-G3	101	8578	B2-U3-G3	101	8458	B2-U3-G3	100	8485	B3-U4-G3	100
80-G3-F-x-740-5	80	530	128	12030	B2-U4-G3	94	12068	B2-U4-G4	95	12068	B2-U4-G4	95	11899	B2-U4-G4	93	11937	B3-U4-G4	94
80-G3-F-x-740-7	80	700	171	15103	B2-U3-G2	88	15150	B2-U3-G2	89	15150	B2-U3-G2	89	14938	B2-U3-G2	87	14986	B3-U4-G5	88

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Post top

LED Wattage and Lumen Values for 3000K & 4000K fixtures with Vertical Ribbed Panels

Ordering Code	Total LEDs	System current (mA)	Average System Watts (W)	2			3			3W			4			5		
				Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
Vertical Ribbed Panels @ 3000K																		
32-G3-V-x-730-3	32	350	37	2604	B1-U2-G1	70	2604	B1-U2-G1	70	2665	B1-U2-G1	72	2556	B1-U2-G1	69	2632	B2-U3-G1	71
32-G3-V-x-730-5	32	530	53	4369	B1-U2-G1	83	4369	B1-U3-G1	83	4472	B1-U3-G1	85	4288	B1-U3-G1	81	4416	B3-U3-G1	83
32-G3-V-x-730-7	32	700	71	5559	B1-U3-G1	78	5559	B1-U3-G1	78	5689	B1-U3-G2	80	5455	B1-U3-G1	77	5618	B3-U3-G1	79
32-G3-V-x-730-9	32	900	93	6718	B1-U3-G1	72	6718	B1-U3-G1	72	6876	B1-U3-G2	74	6593	B1-U3-G1	71	6790	B3-U3-G1	73
48-G3-V-x-730-3	48	350	51	4569	B1-U2-G1	90	4569	B1-U3-G1	90	4676	B1-U3-G1	92	4483	B1-U3-G1	88	4617	B3-U3-G1	91
48-G3-V-x-730-5	48	530	79	6553	B1-U3-G1	83	6553	B1-U3-G1	83	6707	B2-U3-G2	85	6431	B1-U3-G2	82	6623	B3-U3-G1	84
48-G3-V-x-730-7	48	700	106	8097	B2-U3-G2	77	8097	B2-U3-G2	77	8287	B2-U3-G2	78	7946	B1-U3-G2	75	8183	B3-U3-G2	77
48-G3-V-x-730-9	48	900	136	9775	B2-U3-G2	72	9775	B2-U3-G2	72	10004	B2-U3-G2	74	9592	B1-U3-G2	71	9879	B3-U3-G2	73
64-G3-V-x-730-3	64	350	68	5847	B1-U3-G1	86	5847	B1-U3-G1	86	5984	B1-U3-G2	88	5738	B1-U3-G2	85	5909	B3-U3-G1	87
64-G3-V-x-730-5	64	530	105	8589	B2-U3-G2	82	8589	B2-U3-G2	82	8790	B2-U3-G2	84	8428	B1-U3-G2	80	8680	B3-U3-G2	83
64-G3-V-x-730-7	64	700	136	10430	B2-U3-G2	77	10430	B2-U3-G2	77	10675	B2-U3-G2	78	10235	B1-U3-G2	75	10541	B3-U3-G2	77
64-G3-V-x-730-9	64	900	179	12714	B2-U3-G2	71	12714	B2-U3-G2	71	13012	B2-U3-G2	73	12476	B1-U3-G2	70	12848	B3-U3-G2	72
80-G3-V-x-730-3	80	350	85	7308	B2-U3-G2	86	7308	B1-U3-G2	86	7479	B2-U3-G2	88	7172	B1-U3-G2	85	7386	B3-U3-G2	87
80-G3-V-x-730-5	80	530	128	10281	B2-U3-G2	80	10281	B2-U3-G2	80	10522	B2-U3-G2	82	10089	B2-U3-G2	79	10390	B4-U3-G2	81
80-G3-V-x-730-7	80	700	171	12907	B2-U3-G2	76	12907	B2-U3-G2	76	13210	B2-U3-G2	77	12666	B2-U3-G2	74	13044	B4-U3-G2	76
Vertical Ribbed Panels @ 4000K																		
32-G3-V-x-740-3	32	350	37	2787	B1-U2-G1	75	2787	B1-U2-G1	75	2852	B1-U2-G1	77	2735	B1-U2-G1	74	2816	B2-U3-G1	76
32-G3-V-x-740-5	32	530	53	4675	B1-U2-G1	88	4675	B1-U3-G1	88	4785	B1-U3-G1	90	4588	B1-U3-G1	87	4725	B3-U3-G1	89
32-G3-V-x-740-7	32	700	71	5948	B1-U3-G1	84	5948	B1-U3-G1	84	6087	B1-U3-G2	86	5837	B1-U3-G1	82	6011	B3-U3-G1	85
32-G3-V-x-740-9	32	900	93	7189	B1-U3-G1	77	7189	B1-U3-G1	77	7357	B1-U3-G2	79	7054	B1-U3-G1	76	7265	B3-U3-G1	78
48-G3-V-x-740-3	48	350	51	4889	B1-U2-G1	96	4889	B1-U3-G1	96	5003	B1-U3-G1	98	4797	B1-U3-G1	94	4940	B3-U3-G1	97
48-G3-V-x-740-5	48	530	79	7012	B1-U3-G1	89	7012	B1-U3-G1	89	7176	B2-U3-G2	91	6881	B1-U3-G2	87	7086	B3-U3-G1	90
48-G3-V-x-740-7	48	700	106	8664	B2-U3-G2	82	8664	B2-U3-G2	82	8867	B2-U3-G2	84	8502	B1-U3-G2	80	8756	B3-U3-G2	83
48-G3-V-x-740-9	48	900	136	10459	B2-U3-G2	77	10459	B2-U3-G2	77	10704	B2-U3-G2	79	10264	B1-U3-G2	76	10570	B3-U3-G2	78
64-G3-V-x-740-3	64	350	68	6256	B1-U3-G1	92	6256	B1-U3-G1	92	6403	B1-U3-G2	94	6140	B1-U3-G2	90	6323	B3-U3-G1	93
64-G3-V-x-740-5	64	530	105	9190	B2-U3-G2	88	9190	B2-U3-G2	88	9406	B2-U3-G2	90	9018	B1-U3-G2	86	9288	B3-U3-G2	89
64-G3-V-x-740-7	64	700	136	11160	B2-U3-G2	82	11160	B2-U3-G2	82	11422	B2-U3-G2	84	10952	B1-U3-G2	80	11279	B3-U3-G2	83
64-G3-V-x-740-9	64	900	179	13604	B2-U3-G2	76	13604	B2-U3-G2	76	13923	B2-U3-G2	78	13350	B1-U3-G2	74	13748	B3-U3-G2	77
80-G3-V-x-740-3	80	350	85	7820	B2-U3-G2	92	7820	B1-U3-G2	92	8003	B2-U3-G2	94	7674	B1-U3-G2	90	7902	B3-U3-G2	93
80-G3-V-x-740-5	80	530	128	10281	B2-U3-G2	80	10281	B2-U3-G2	80	10522	B2-U3-G2	82	10089	B2-U3-G2	79	10390	B4-U3-G2	81
80-G3-V-x-740-7	80	700	171	13811	B2-U3-G2	81	13811	B2-U3-G2	81	14134	B2-U3-G2	83	13553	B2-U3-G2	79	13957	B4-U3-G2	82

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

VX671 Savannah

Post top

Specifications

Housing

Roof: Hinged roof with stainless steel thumb screw. 360 low-copper die-cast aluminum alloy.

Panels: Three panel options. Clear panels are made of an U.V Stabilized sheet material and include a frosted decorative glass chimney. Vertical Rib panels are U.V. stabilized, injection molded with internal vertical ribs. Frosted Panels are U.V. Stabilized sheet material. All panels have tool-less removal for ease of cleaning.

Fitter: Slip Fitter Dimensions: 3" I.D. x 3" deep.

Light Engine

LEDgine is composed of five main components: Heat Sink, Lens, LED lamp, Optical System, and Driver. Electrical components are RoHS compliant.

LED Module

Composed of high-performance white LEDs. Color temperature as per ANSI/NEMA bin - Neutral White, 4000 Kelvin nominal (3985K +/- 275K or 3710K to 4260K) or Warm White, 3000 Kelvin nominal (3045K +/- 175K or 2870K to 3220K), CRI 70 Min. 75 Typical.

Heat Sink

Made of cast aluminum optimizing the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device).

Optical System

Type 2, 3, 3W, 4 and Type 5 composed of high performance optical grade PMMA acrylic refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity.

Optical system is rated IP66. Performance shall be tested per LM 63, LM 79 and TM 15 (IESNA) certifying its photometric performance. Street side indicated.

Driver

Driver comes standard with 0-10V dimming capability. High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 VAC rated for both application line to line or line to neutral, Class I, THD of 20% max. **Maximum ambient operating temperature from 40°F (4°C) to 130°F (55°C).** Certified in compliance to UL1310 cULus requirement (dry and damp location). **Assembled on a unitized removable tray with Tyco quick disconnect plug resisting to 221°F (105°C).**

The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the S FAWS LEDs and the electrical components. **Output is protected from short circuits, voltage overload and current overload.** Automatic recovery after correction. Standard built in driver surge protection of 2.5kV (min). Due to the inrush current that occurs with electronic drivers, recommend using a time-delay or slow blow fuse to avoid unwanted fuse blowing (false tripping) that can occur with normal or fast acting fuses.

LED Performance

Predicted lumen depreciation data				
Ambient Temp (°C)	Driver mA	Calculated L_{70} hours	L_{70} per TM-21	Lumen Maintenance % @ 60,000 hours
25°C	up to 700 mA	>100,000	>60,000	91%

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.L70 is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L70 hours limited to 6 times actual LED test hours.

Driver Options

DALI: Pre-set driver compatible with DALI contorl system.

SRD: Sensor Ready Driver including SR communication (used for dimming and other functionalities), 24V auxiliary supply and a logical signal input (LSI) connected to the top NEMA twist lock receptacle.

SRD1: Sensor Ready Driver including SR communication (used for dimming and other functionalities) but with 24V auxiliary supply and a logical signal input (LSI) not connected to the top NEMA twist lock.

Dimming Options

DA: 4 Hrs 25% reduction
DB: 4 Hrs 50% reduction
DC: 4 Hrs 75% reduction
DD: 6 Hrs 25% reduction
DE: 6 Hrs 50% reduction
DF: 6 Hrs 75% reduction
DG: 8 Hrs 25% reduction
DH: 8 Hrs 50% reduction
DJ: 8 Hrs 75% reduction

Surge Protection

Surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA. Optional SP2: 20kV / 10kA surge protection device that provides extra protection beyond the SP1 10kV/10kA level.

Field Adjustable Wattage (FAWS) Multiplier Chart

FAWS Position	Percent of Typical Lumen Output
1	25%
2	50%
3	55%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

Note: Typical value accuracy +/- 5%

Luminaire Useful Life

Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in situ thermal testing in accordance with UL1598 and UL8750, using LM-80 data from LED manufacturers and engineering prediction methods, the luminaire useful life is expected to reach 100,000+ hours with >L70 lumen maintenance @ 25°C (48 LED and 64LED and 80 LED at 530mA is 77,000). Luminaire useful life accounts for LED lumen maintenance and all of these additional factors including: LED color shift, LED life, driver life, PCB substrate, solder joints, on/off cycles, burning hours and corrosion. Lifetime statements do not include the use of controls, including networked controllers.

Hardware

All non-ferrous fasteners prevent corrosion and ensure longer life.

Wiring

18 AWG wire, 6" (152mm) minimum exceeding from luminaire.

Options



HS
House side shield

SP2
20kV/10kA integral surge protector (optional)

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Post top

Specifications (cont'd)

Finish

Color in accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with ± 1 mils / 24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard. The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

LED products manufacturing standard

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340 5 1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Quality Control

The manufacturer must provide a written confirmation of its ISO 9001 2008 and ISO 14001 2004 International Quality Standards Certification.

Meets the ANSI C136.31 2010, American national Standard for Roadway Luminaire Vibration specifications for Normal Applications.

Certifications and Compliance

cETLus Listed for Canada and U.S. to the UL1598 and UL8750 standards, suitable for Wet Locations. The quality systems of the facility where manufactured have been registered by UL to the ISO 9001 series standards. LM80 & LM79 tested.

IP Rating

IP66 rated LED light engine.

Warranty

5-year limited warranty. Options available for extended warranties – contact factory. See https://www.genlyte.com/en-us/support/warranties for details and restrictions.

Buy American Act of 1933 (BAA)

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA.

This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit https://www.genlyte.com/en-us/resources/programs/domestic-preference to view a current list of BAA-compliant products to confirm this product's current compliance.

Build America, Buy America Act (BABA)

BABA establishes the minimum domestic content requirements that federal agencies must apply. This product is manufactured in the US and has a domestic content of 55% or more. This BABA designation does not address the "Buy America" domestic content requirements, which may be stricter, imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by federal agencies. Please visit https://www.genlyte.com/en-us/resources/programs/domestic-preference.

Prior to ordering, please contact factory to confirm BABA or BABAF compliant configurations (BABAF for projects funded through FHWA must be funded by October 1, 2026), and please submit completed BABA checklist SGn-2452BN-Compliance-Certification-checklist.pdf.

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