

Alpha

FLOODLIGHT

FEATURES

- High lumen, high mounting height applications with outputs exceeding 25,000 lumens.
- 6 standard NEMA beamspread options
- Fully adjustable 135 degree knuckle, designed to mount on 2 3/8" to 3" slipfitter
- 3 different mounting options and 5 shielding options
- Features a protective lens cover as standard



SPECIFICATIONS

CONSTRUCTION

- Housing, electrical compartment and fitter are all made from die case aluminum that is pre-treated and powder-coated to meet the most rugged industry standards

ELECTRICAL

- Fixture electrical compartment contains all LED driver components and is provided with a push-button terminal block for AC power connections
- Optional 7-pin ANSI C136.41-2013 twist-lock photo control receptacle that is compatible with ANSI C136.41 external wireless control devices
- 20kA surge protection
- The factory-preset temperature limits are designed to ensure maximum hours of operation to assure L70 rated lumen maintenance

INSTALLATION

- Adjustable knuckle is designed to slip fit a 2 3/8" to 3" O.D. tenon
- Specialized knuckle provides continuous aiming adjustment without the use of cast serrations
- Luminaire can adjust from -30° to 90° from horizontal when in the upright position (only when Twist Lock photocell is not being used)
- Photo control option can only be used when fixture is aimed below horizontal position. The luminaire must be mounted in the upright position as pictured

OPTIONS/CONTROLS

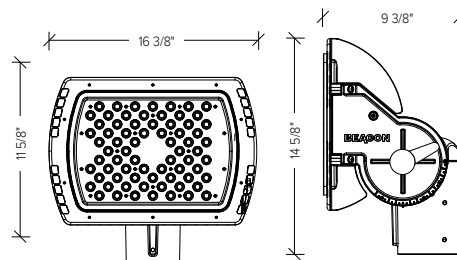
- Available with Energeni for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night)
- In addition, Alpha can be specified with Current Control wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7.
- See ordering information or visit [currentlighting.com/beacon](https://www.currentlighting.com/beacon) for more details
- Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard.
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.

CERTIFICATIONS

- The luminaire is NRTL certified to UL 1598 and 8750 standards for wet locations.
- CSA 22.2#250.13-14
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions (<https://www.currentlighting.com/resources/america-solutions>)

WARRANTY

- 5 year warranty



Model	Mount	Weight lbs.	Weight kgs.	EPA, Sq. ft.
Area	Standard SF3 mount Slips 2 3/8" to 3" O.D. Tenon	270	12.25	1.32

Alpha

FLOODLIGHT

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

ORDERING GUIDE

Example: AL-U/72L-170/5K7/4X4/UNV/PCU/FL/PM/BLT

CATALOG #	
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ORDERING INFORMATION

Series	Engine - Watts	CCT/CRI	Optics	Voltage	Electrical Options
AL-D Alpha, down light	24L-55 55W, LED array 36L-80 80W, LED array 60L-136 136W, LED array 72L-170 170W, LED array 72L-220 220W, LED array 72L-295 295W, LED array	3K7 3000K, 70 CRI 4K7 4000K, 70 CRI 5K7 5000K, 70 CRI	2x2 narrow spot 4x4 narrow flood 5x5 medium flood 6x6 wide flood 5x3 horizontal flood 3x5 vertical flood	UNV 120-277V 347V 347V 480V 480V	PCR-TL Receptacle with Twist Lock Photocell PCR-SC Receptacle with Shorting Cap PCRU Receptacle Only PCU Button Photocell (120-277V only)
AL-U³ Alpha, up light					

Shield Options	Mounting	Color
FL Full Louver FV Full Visor HL Half Louver HV Half Visor	SF3 Fixture slip fits 2 3/8" OD tenon (tenon by others) PM 3" pier mount (includes 2 3/8" OD tenon and mounting plate) WM wall mount (J-arm tenon and mounting plate included)	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth LGT Light Grey Matte Textured PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option CC Custom Color

Control Options (Order Separately)	
<u>NX Stand Alone</u>	
NXOFM-1R1D-UNV	On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with NX Radio and Bluetooth® Radio, 120-480VAC
<u>wiSCAPE® – Wireless</u>	
WIR-RME-L	wiSCAPE external control node

Notes:

- 1 Not available @ 347V or 480V input
- 2 Available on 24L-55, 72L-170 and 72L-220 only
- 3 7PR, 7PR-TL and 7PR-SC not available on AL-U
- 4 When ordering Energeni, specify the routine setting code (example GENI-04). See Energeni brochure and instructions for setting table and options. Not available with sensor options.

PERFORMANCE DATA

# LED'S	DRIVE CURRENT (mA)	SYSTEM WATTS	DISTRIBUTION TYPE	FIELD ANGLE H° X V°	5K7 (5000K nominal, 70 CRI)			4K7 (4000K nominal, 70 CRI)			3K7 (3000K nominal, 70 CRI)		
					LUMENS	LPW ¹	MAX BEAM CANDLEPOWER	LUMENS	LPW ¹	MAX BEAM CANDLEPOWER	LUMENS	LPW ¹	MAX BEAM CANDLEPOWER
24	700mA	55W	2X2	30° X 30°	6468	113	64515	6560	114	65431	5924	103	59084
			4X4	56° X 56°	6293	109	17477	6382	110	17725	5763	100	16006
			5X5	92° X 92°	6008	104	6042	6093	106	6127	5502	95	5533
			6X6	107° X 107°	6472	112	4258	6564	114	4318	5927	103	2899
			5X3	44° X 71°	5796	100	14539	5878	102	14745	5308	92	13314
			3X5	71° X 47°	5826	101	13667	5909	103	13862	5335	93	12517
36	700mA	80W	2X2	30° X 30°	9702	120	96773	9840	122	98147	8885	110	88627
			4X4	56° X 56°	9440	116	26216	9574	109	26588	8645	106	24009
			5X5	92° X 92°	9012	111	9062	9140	113	9191	8253	102	8299
			6X6	107° X 107°	9708	120	6387	9846	121	6478	8891	110	5849
			5X3	44° X 71°	8694	107	21808	8818	109	22117	7962	98	19972
			3X5	71° X 47°	8739	108	20501	8863	110	20793	8003	99	18779
60	700mA	136W	2X2	30° X 30°	16170	119	121289	16400	121	163579	14809	109	147712
			4X4	56° X 56°	15733	115	43694	15956	116	44314	14408	105	40016
			5X5	92° X 92°	15020	110	15104	15233	111	15319	13755	100	13833
			6X6	107° X 107°	16180	118	10645	16409	120	10796	14818	108	9749
			5X3	44° X 71°	14490	106	36347	14696	107	36863	13270	97	33287
			3X5	71° X 47°	14565	107	34169	14772	108	34655	13339	98	31293
72	700mA	170W	2X2	30° X 30°	19404	113	193547	19680	115	196295	17771	104	177254
			4X4	56° X 56°	18879	110	52433	19147	111	53177	17290	100	48019
			5X5	92° X 92°	18023	105	18125	18279	106	18382	16506	96	16599
			6X6	107° X 107°	19416	113	12774	19691	114	12956	17781	103	11699
			5X3	44° X 71°	17388	101	43616	17635	102	44235	15925	92	39944
			3X5	71° X 47°	17478	102	41003	17726	103	41586	16006	93	37552
72	875mA	220W	2X2	30° X 30°	23227	107	231671	23532	109	234723	21250	98	211954
			4X4	56° X 56°	22592	104	62743	22889	105	63570	20669	95	57404
			5X5	92° X 92°	21580	100	21702	21864	101	21988	19743	91	19855
			6X6	107° X 107°	22541	102	15924	22838	103	16135	20622	93	14569
			5X3	44° X 71°	20816	98	52213	21090	97	52900	19044	88	47769
			3X5	71° X 47°	20923	97	49085	21198	99	49732	19142	89	44908
72	1150mA	295W	2X2	30° X 30°	28050	95	279780	28050	95	279780	28050	95	279780
			4X4	56° X 56°	27290	92	75794	27290	92	75794	27290	92	75794
			5X5	92° X 92°	26054	88	26201	26054	88	26201	26054	88	26201
			6X6	107° X 107°	26687	90	18854	26687	90	18853	26687	90	18854
			5X3	44° X 71°	25180	85	59546	25538	86	60392	22218	75	52541
			3X5	71° X 47°	25180	85	59546	25538	86	60392	22218	75	52541

1 Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	0	25,000	50,000	² TM-21-11 60,000	100,000	Calculated L70 (HOURS)
25°C / 77°C	1.00	0.97	0.95	0.95	0.92	>470,000

2 Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

LUMINAIRE AMBIENT TEMPERATURE

AMBIENT TEMPERATURE	LUMEN MULTIPLIER
0°C	1.02
10°C	1.01
20°C	1.00
25°C	1.00
30°C	0.98
40°C	0.98

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

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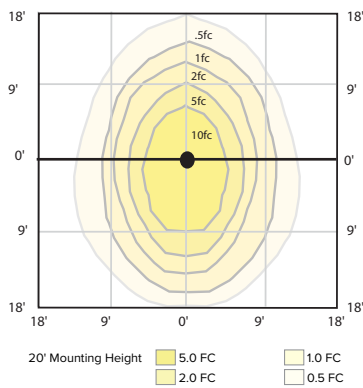
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ELECTRICAL DATA

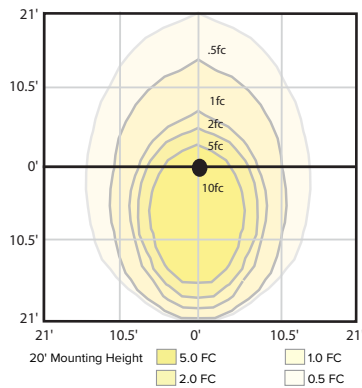
# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (W)	CURRENT (Amps)
24	2	700 mA	120	55	0.55
			277		0.24
			347		0.19
			480		0.14
36	1	700 mA	120	80	0.80
			277		0.35
			347		0.27
			480		0.20
60	1	700 mA	120	136	1.36
			277		0.59
			347		0.47
			480		0.34
72	2	700 mA	120	170	1.70
			277		0.74
			347		0.59
			480		0.43
72	2	875 mA	120	220	2.20
			277		0.95
			347		0.76
			480		0.55
72	2	1150mA	120	295	2.95
			277		1.28
			347		1.02
			480		0.74

PHOTOMETRY

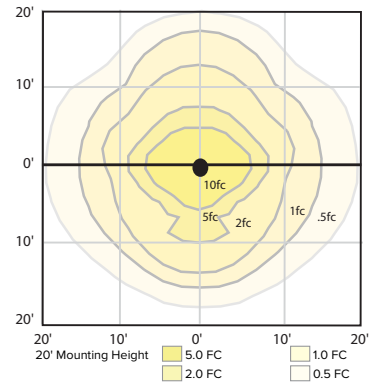
AL-U-72L-295-5K7-2X2



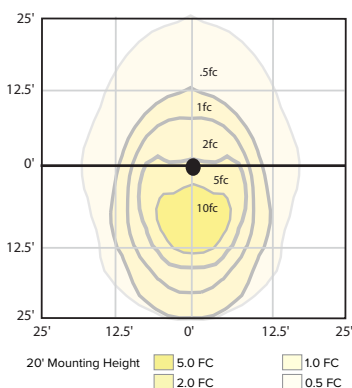
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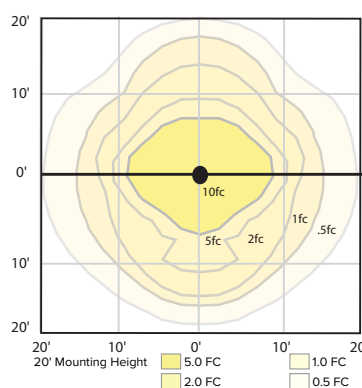
AL-U-72L-295-5K7-3X5



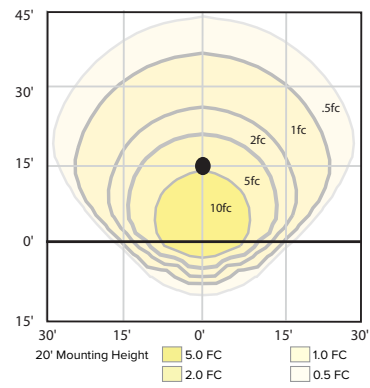
AL-U-72L-295-5K7-5X5



AL-U-72L-295-5K7-5X3



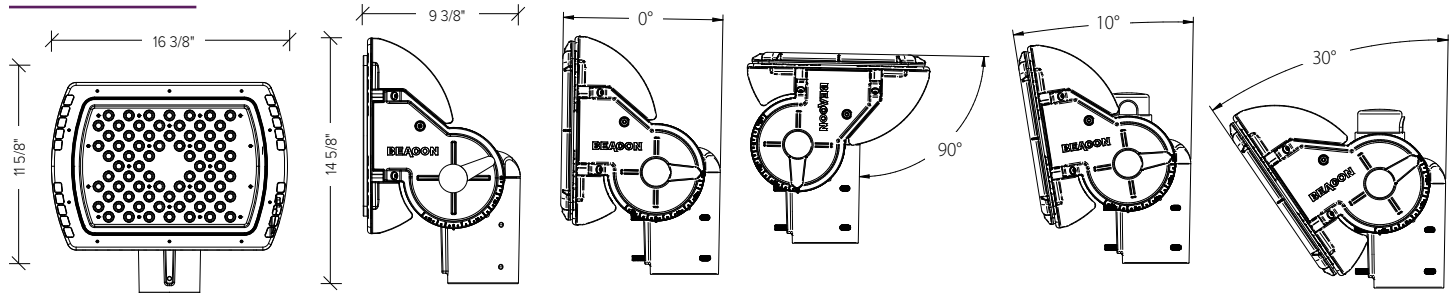
AL-U-72L-295-5K7-6X6



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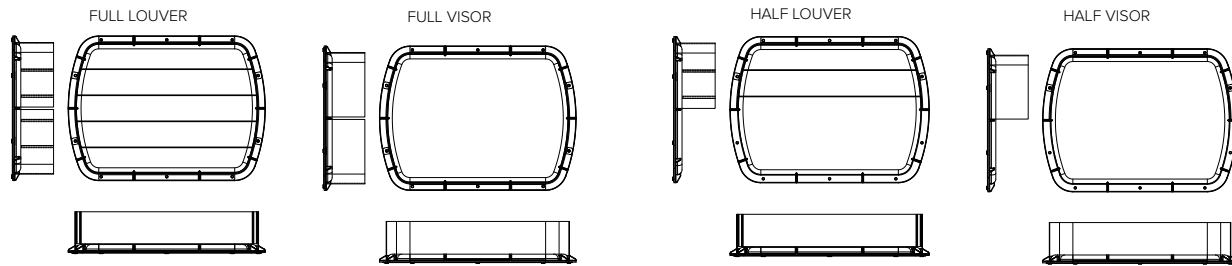
DIMENSIONS



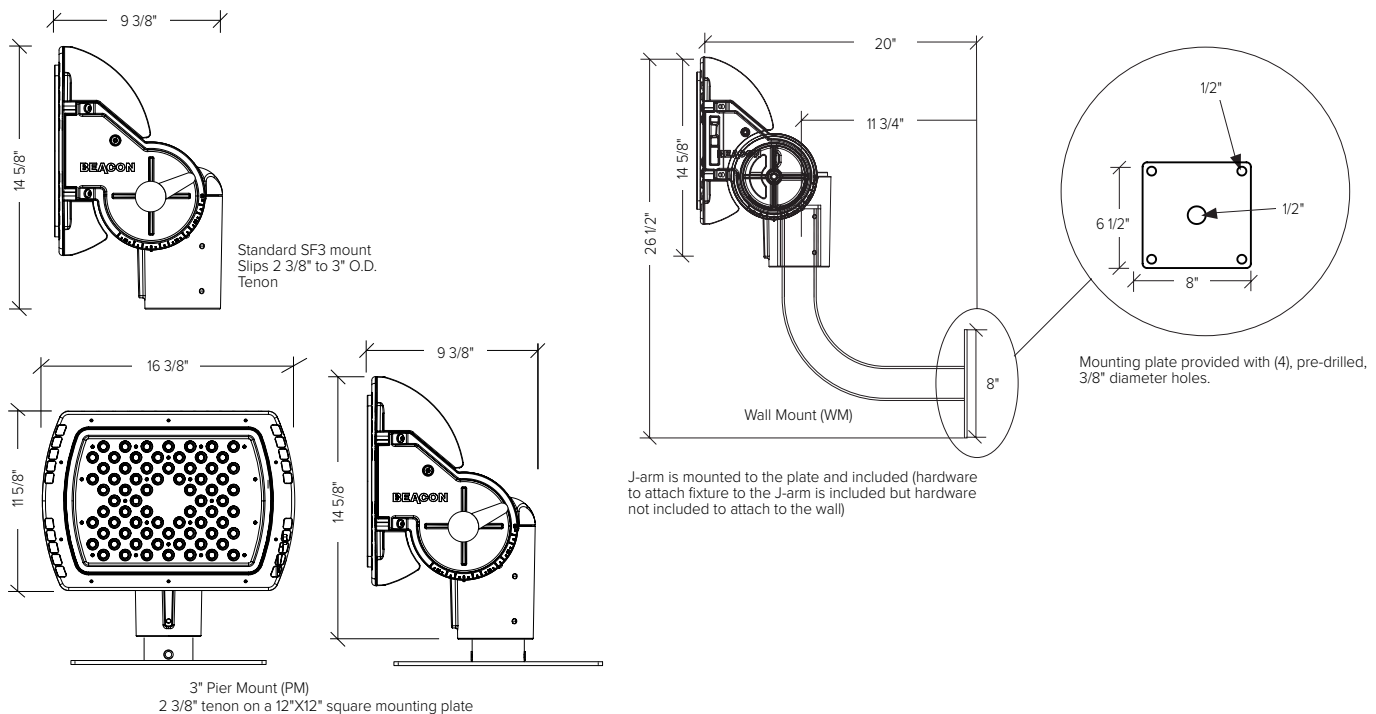
Model	Mount	Weight lbs.	Weight kgs.	EPA, Sq. ft.
Area	Standard SF3 mount Slips 2 3/8" to 3" O.D. Tenon	27.0	12.25	1.32

ADDITIONAL INFORMATION

SHIELD OPTIONS



MOUNTING OPTIONS



DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____