

ALW

Area Light Wave Series

Due to continuous product improvements, specification and/or equipment updates may change without notice.

Project:

Catalog #:

Fixture Type:

Notes:



ALW Medium Area Light

(Images are shown for illustration purposes only)



ALW Large Area Light

The ALW Area Light Wave Series Gen 1 features an exclusive housing design that complements each environment. This modern luminaire is offered in medium and large sizes with lumen packages between 10,400 to 56,000 lumens. Boasting an advanced heatsink and leading surge protection, this luminaire also provides superior light distribution, visual comfort, and uniformity in its optical design. Spec-grade optics coming soon.

Specifications

Housing

Manufactured die-cast aluminum housing includes advanced thermal design and housing that is completely sealed against moisture and environmental contaminants. Low profile, compact design carries 3G vibration rating per ANSI C136.31.

Ambient Temperature

Suitable for use in -40°C to 45°C (-40°F to 113°F)

Mounting

Mounting options include Square and Round Pole Mount, Wall Mount, Trunnion Mount, and Adjustable Slipfitter Mount. Optional photocell is installed to the luminaire by default.

CCT and CRI

3000K, 4000K and 5000K CCT available; 70CRI
Dark Sky Friendly - 3000K option only with no uplight

Lumen Output

Lumen packages ranging from 10,400 to 56,000 lumens

Warranty

10-year limited warranty. 1-year labor warranty. Comprehensive warranty terms can be located on www.slgus.com

Electrical

Standard 120-277V. Optional HVU 277V/480V. Standard 1-10V Dimming. Class II Driver 50/60Hz with open/short circuit protection. 5KV/10KA (120-277V), 10KV/20KA (277-480V) Surge protector per ANSI/IEEE C62.41.2.

Certifications

UL Listed for wet locations. Equivalent to IP65 rating. FCC compliant. RoHS compliant. DesignLights Consortium® (DLC) Premium 5.1 qualified product. Not all versions of this product may be DLC qualified. Please visit www.slgus.com to confirm which versions are qualified. Design Lights Consortium® (DLC) 5.1 qualification is pending.

ALW G1



MOUNTING & OPTIONS



AL-SPAR



AL-WMB



AL-SFD



AL-SFD-P1



AL-T



PC-1



L3/L7



ALW-M-EGS/ALW-L-EGS

ORDERING GUIDE

EXAMPLE: ALW 150 T3 G1 50K

	Lumen Output	Dist. Type		Voltage	CCT	Finish	Mount	Options (Pre-Installed)
ALW Wave Area Light Medium	100 10,400 Lumens 150 14,200 Lumens 210 21,200 Lumens 280 28,000 Lumens	T3= Type III T4= Type IV T5= Type V	G1	BLANK= 120-277V HVU= 277-480V	3K* 3000K 4K 4000K 5K 5000K	BLANK= Dark Bronze SG= Silver Gray W= White B= Black C**= Custom	AL-SPAR= Square and Round Pole Mount AL-WMB= Wall Mount AL-SFD= Slipfitter Mount AL-SFD-P1= Slipfitter Mount with PC-1 AL-T= Trunnion Mount	PC-1= Twist-lock Photocell (120-277V) PC-2= Twist-lock Photocell (480V) PC-3= 7-Pin receptacle MS-ACI-01= Motion Sensor 120-277V (Choose 1) L3= 2x Lens (Max 20ft Mounting Height) L7= 2.5x Lens (Max 40ft Mounting Height) ALW-M-EGS= External Glare Shield for Medium Wave Area Light, Dark Bronze ALW-L-EGS= External Glare Shield for Large Wave Area Light, Dark Bronze RM-51 Remote Control for MS-ACI-01
ALW Wave Area Light Large	340 34,000 Lumens 430 42,500 Lumens 510 51,000 Lumens							

*Special Order CCT. May require longer lead time.

**For a custom color, please call to place your order.

ADVANCED WIRELESS CONTROL

DIM10-087-FW 12VDC Single Channel, Cloud Based Controller (Check compatibility)

RECOMMENDED REPLACEMENT & MOUNTING HEIGHT

Wattage	Lumen Range	Equivalence	Mounting Height
70W	10,400 – 10,600	150W MH	15-20'
100W	14,200 – 14,800	250W MH	15-20'
150W	21,200 – 22,200	400W MH	20-30'
200W	28,000 – 28,800	400W MH	20-30'
240W	34,000 – 35,500	750W MH	25-50'
300W	42,500 – 43,700	1000W MH	25-50'
350W	50,000 – 51,000	1000W MH	25-50'

ALW G1



OPTIONS & ACCESSORIES



Twist-lock Photocell

- PC-1:** 120-277V On/Off Twist-lock Photocell
- PC-347:** 347V On/Off Twist-lock Photocell
- PC-480:** 480V On/Off Twist-lock Photocell

MOUNTING



AL-SPAR



AL-WMB



AL-SFD



AL-SFD-P1

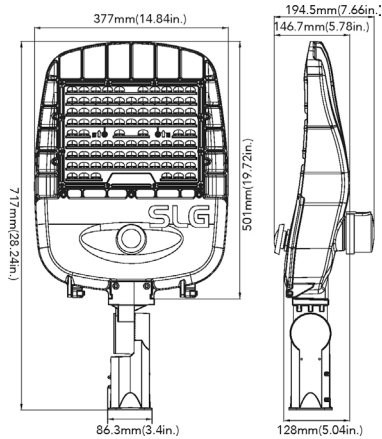


AL-T

DIMENSIONS

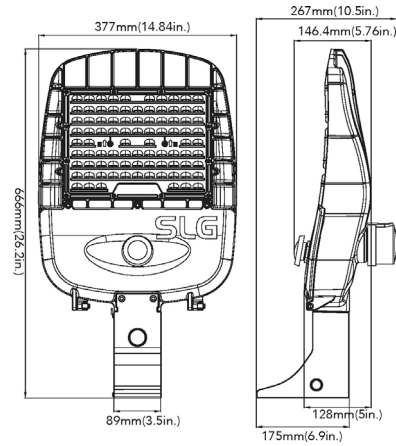
MEDIUM

70W, 100W, 150W, 200W
Slipfitter Mount
WEIGHT: 13.25 LB



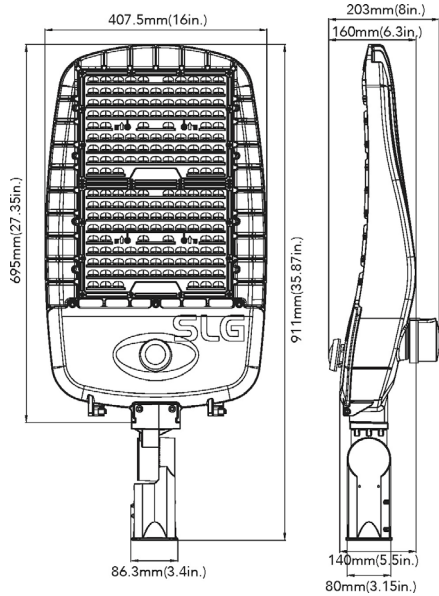
MEDIUM

70W, 100W, 150W, 200W
Pole Mount
WEIGHT: 13.25 LB



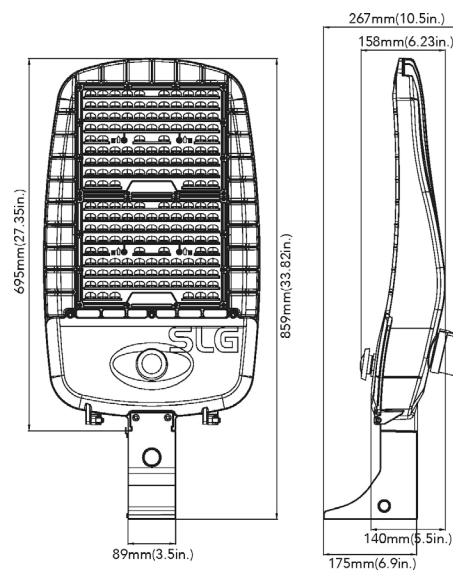
LARGE

240W, 300W, 350W, 380W
Slipfitter Mount
WEIGHT: 20.95 LB

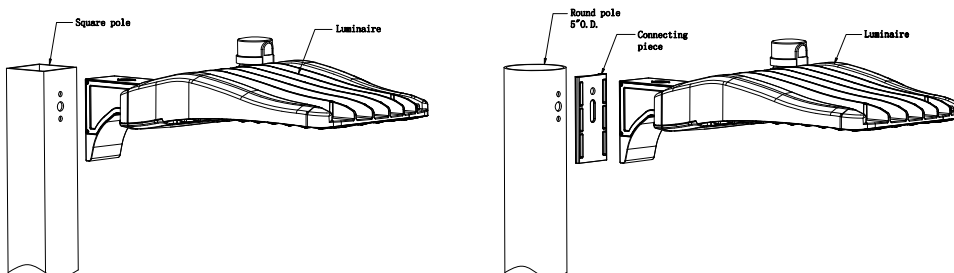


LARGE

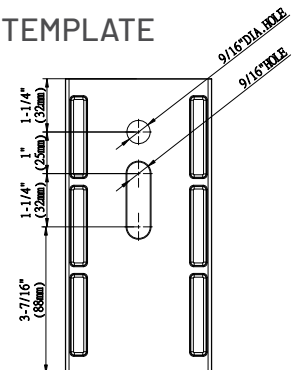
240W, 300W, 350W, 380W
Pole Mount
WEIGHT: 20.95 LB



MOUNTING DIMENSIONS



DRILLING TEMPLATE



ALW G1






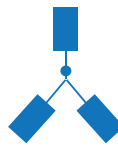
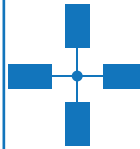


PERFORMANCE COMPARISON

Product Number	Wattage	Voltage	Dist. Type	3000K CCT					4000K CCT					5000K CCT				
				Lumen	B	U	G	Efficacy	Lumen	B	U	G	Efficacy	Lumen	B	U	G	Efficacy
ALW 100	70W	120-277V	Type III	10,250	2	0	2	146	10,400	2	0	2	149	10,400	2	0	2	149
			Type IV	10,250	1	0	3	146	10,400	1	0	3	149	10,400	1	0	3	149
			Type V	10,450	3	0	3	149	10,600	3	0	3	151	10,600	3	0	3	151
		277-480V	Type III	10,250	2	0	2	146	10,400	2	0	2	149	10,400	2	0	2	149
			Type IV	10,250	1	0	3	146	10,400	1	0	3	149	10,400	1	0	3	149
			Type V	10,450	3	0	3	149	10,600	3	0	3	151	10,600	3	0	3	151
ALW 150	100W	120-277V	Type III	14,000	2	0	2	140	14,200	2	0	2	142	14,200	2	0	2	142
			Type IV	14,000	3	0	4	140	14,200	3	0	4	142	14,200	3	0	4	142
			Type V	14,500	4	0	4	145	14,800	4	0	4	148	14,800	4	0	4	148
		277-480V	Type III	14,000	2	0	2	140	14,200	2	0	2	142	14,200	2	0	2	142
			Type IV	14,000	3	0	4	140	14,200	3	0	4	142	14,200	3	0	4	142
			Type V	14,500	4	0	4	145	14,800	4	0	4	148	14,800	4	0	4	148
ALW 210	150W	120-277V	Type III	21,000	3	0	3	140	21,200	3	0	3	141	21,200	3	0	3	141
			Type IV	21,000	3	0	4	140	21,200	3	0	4	141	21,200	3	0	4	141
			Type V	22,000	4	0	4	147	22,200	4	0	4	148	22,200	4	0	4	148
		277-480V	Type III	21,000	3	0	3	140	21,200	3	0	3	141	21,200	3	0	3	141
			Type IV	21,000	3	0	4	140	21,200	3	0	4	141	21,200	3	0	4	141
			Type V	22,000	4	0	4	147	22,200	4	0	4	148	22,200	4	0	4	148
ALW 280	200W	120-277V	Type III	28,000	4	0	3	140	28,000	4	0	3	140	28,000	4	0	3	140
			Type IV	28,000	3	0	4	140	28,000	3	0	4	140	28,000	3	0	4	140
			Type V	28,500	5	0	5	143	28,800	5	0	5	144	28,800	5	0	5	144
		277-480V	Type III	28,000	4	0	3	140	28,000	4	0	3	140	28,000	4	0	3	140
			Type IV	28,000	3	0	4	140	28,000	3	0	4	140	28,000	3	0	4	140
			Type V	28,500	5	0	5	143	28,800	5	0	5	144	28,800	5	0	5	144
ALW 340	240W	120-277V	Type III	33,500	3	0	4	140	34,000	3	0	4	142	34,000	3	0	4	142
			Type IV	33,500	3	0	5	140	34,000	3	0	5	142	34,000	3	0	5	142
			Type V	35,000	5	0	5	146	35,500	5	0	5	148	35,500	5	0	5	148
		277-480V	Type III	33,500	3	0	4	140	34,000	3	0	4	142	34,000	3	0	4	142
			Type IV	33,500	3	0	5	140	34,000	3	0	5	142	34,000	3	0	5	142
			Type V	35,000	5	0	5	146	35,500	5	0	5	148	35,500	5	0	5	148
ALW 430	300W	120-277V	Type III	42,000	3	0	4	140	42,500	3	0	4	142	42,500	3	0	4	142
			Type IV	42,000	4	0	4	140	42,500	4	0	4	142	42,500	4	0	4	142
			Type V	43,500	5	0	5	145	43,700	5	0	5	146	43,700	5	0	5	146
		277-480V	Type III	42,000	3	0	4	140	42,500	3	0	4	142	42,500	3	0	4	142
			Type IV	42,000	4	0	4	140	42,500	4	0	4	142	42,500	4	0	4	142
			Type V	43,500	5	0	5	145	43,700	5	0	5	146	43,700	5	0	5	146

*Different wattage between 120-277V and HVU 347-480V

EPA OF AREA LIGHT

								
M	70W 100W 150W 200W	0.6299	1.232	1.493	1.259	1.861	2.095	1.861
L	240W 300W 350W 380W	0.8062	1.458	1.842	1.612	2.264	2.494	2.264

ELECTRICAL LOAD

Wattage	Current (A)					
	120V	208V	240V	277V	347V	480V
70W	0.58	0.34	0.29	0.25	0.20	0.15
100W	0.83	0.48	0.42	0.36	0.29	0.21
150W	1.25	0.72	0.63	0.54	0.43	0.31
200W	1.66	0.96	0.83	0.72	0.58	0.42
240W	2.0	1.15	1.0	0.87	0.69	0.50
300W	2.5	1.44	1.25	1.08	0.87	0.63
350W	–	–	–	–	1.01	0.73
380W	3.17	1.83	1.58	1.37	–	–

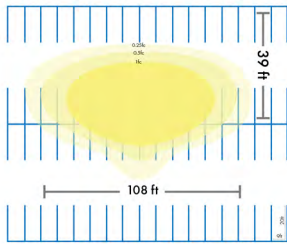
LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.98
40°C	104°F	0.98

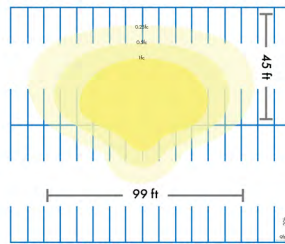
PROJECTED LUMINAIRE MAINTENANCE

Ambient Temperature	OPERATING HOURS				Calculated L70 (Hours)
	0	25,000	50,000	100,000	
25°C / 77°F	1	0.95	0.91	0.81	>214,973

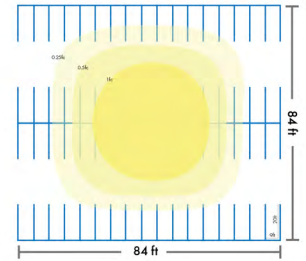
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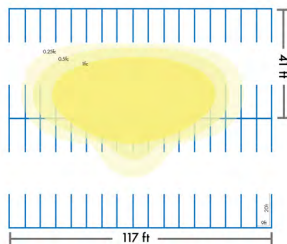
70W Type III - 20ft



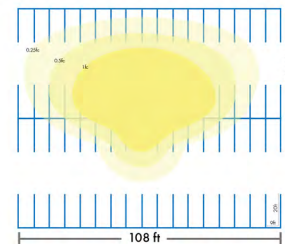
70W Type IV - 20ft



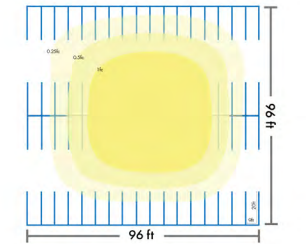
70W Type V - 20ft



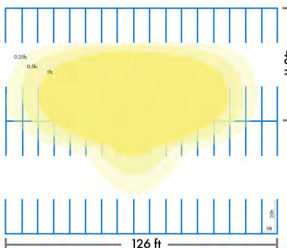
100W Type III - 20ft



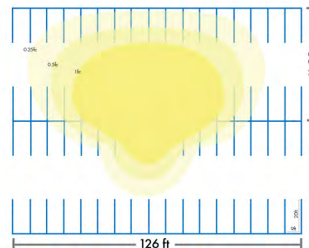
100W Type IV - 20ft



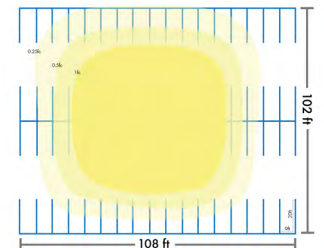
100W Type V - 20ft



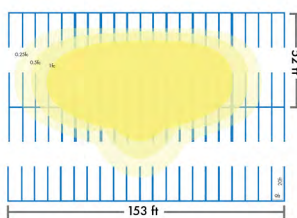
150W Type III - 20ft



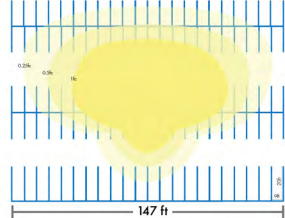
150W Type IV - 20ft



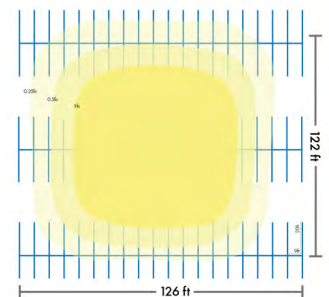
150W Type V - 20ft



200W Type III - 25ft

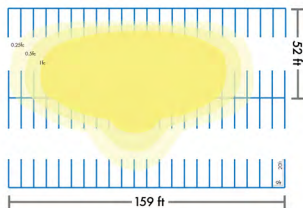


200W Type IV - 25ft

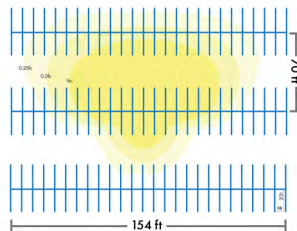


200W Type V - 25ft

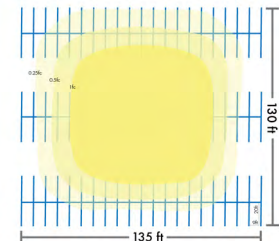
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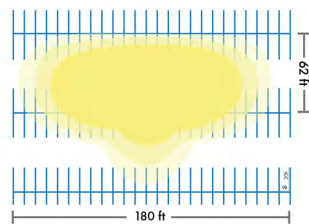
240W Type III - 25ft



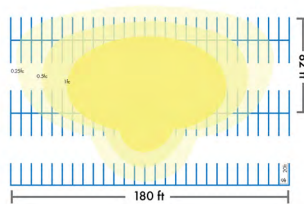
240W Type IV - 25ft



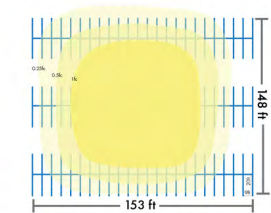
240W Type V - 25ft



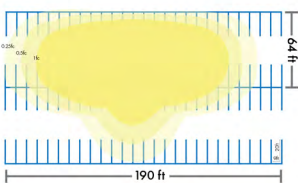
300W Type III - 30ft



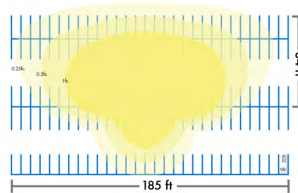
300W Type IV - 30ft



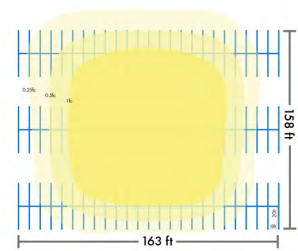
300W Type V - 30ft



380W Type III - 30ft



380W Type IV - 30ft



380W Type V - 30ft