

PROJECT: _____
 CATALOG #: _____
 FIXTURE TYPE: _____
 NOTES: _____

AL Area Light Generation 3



Images are shown for illustration purposes only.

The **AL Series Area Light Gen 3** comes in 2 sizes medium and large with a lumen output between 14,460 to 50,350 lumens. This versatile luminaire has different mounting options, photocell, and motion sensors for efficiency and greater energy savings.

APPLICATIONS

Auto Dealerships, Parking Lots, Walkways, Roadways, and other Public Areas, etc.

REPLACEMENT

ALM: 400W MH

ALL: 1000W+ MH



PERFORMANCE INFORMATION

SERIES NUMBER	WATT	LUMENS	DIST	CCT
ALM 140 T3 G3 4K	100W	14,460	Type III	4000K
ALM 140 T3 G3 5K	100W	14,538	Type III	5000K
ALM 210 T3 G3 4K	150W	21,600	Type III	4000K
ALM 210 T3 G3 5K	150W	22,000	Type III	5000K
ALM 280 T3 G3 5K*	200W	28,000	Type III	5000K
ALL 430 T3 G3 4K	300W	42,815	Type III	4000K
ALL 430 T3 G3 5K	300W	44,000	Type III	5000K
ALL 510 T3 G3 4K	350W	49,904	Type III	4000K
ALL 510 T3 G3 5K	350W	50,350	Type III	5000K

*DLC certification pending

MOUNTING & OPTIONS



ORDERING GUIDE							EXAMPLE: ALM 140 T3 G3 5K	
Luminaire Type	Lumen Output	Dist. Type	Generation	Voltage	CCT	Finish	Mount	Options
ALM Area Light Medium	140 14,460 Lumens	T3= Type III T4= Type IV T5= Type V	G3	BLANK= 120-277V	4K 4000K	BLANK= Dark Bronze	AL-SPAR= Square and Round Pole Mount AL-WM= Wall Mount AL-SFD= Slipfitter Mount AL-SFD-P1= Slipfitter Mount with PC-1 AL-T= Trunnion Mount (ALM only) ALG2-Y= Yoke Mount (ALL only)	PC-1 *=Twist-lock Photocell (120-277V) PC-2 *=Twist-lock Photocell (347-480V) PC-3 *=7-Pin receptacle MS-FSP-212=Motion Sensor (Choose 1) L3=40' diameter lens L7=100' diameter lens ALM-EGS= External Glare Shield for Medium Area Light, Dark Bronze ALL-EGS= External Glare Shield for Large Area Light, Dark Bronze
	210 21,600 Lumens			HVU= 347-480V (ALM 140 Not Included for HVU)	5K 5000K	C ** = Custom		
	280 28,000 Lumens							
ALL Area Light Large	430 44,000 Lumens 510 50,350 Lumens							

*Not available with AL-T and ALG2-Y.

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

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

SPECIFICATIONS

HOUSING

One piece die-cast aluminum housing with integral heat-sink fins.

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, Adjustable Slipfitter Mount, Trunnion Mount for ALM, and Yoke Mount for ALL. Photocell is mounted to the Square and Round Pole Mount, Wall Mount, and Slipfitter Mount by default. Trunnion and Yoke Mount are not available with photocell.

EFFICACY

Up to 146 lumens per watt (see individual wattage data)

CCT AND CRI

4000K and 5000K CCT available; 70CRI

OPTICS

Precision molded secondary optics produce superior uniformity, minimal light trespass and maximum pole spacing. Optics sealed to LED package for IP65 protection.

WARRANTY

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

ELECTRICAL

Standard 120-277V. Optional HVU 347V/480V. 50/60Hz with open/short circuit protection. 10K Surge protector per ANSI/IEEE C62.41.2. Optional NEMA twist-lock photocell control. Standard 0-10V dimming. Motion sensor (PIR) optional.

ENERGY DATA

Constant current driver efficiency above 90%.

FINISH

Polyester Powder Dark Bronze finish. Custom colors available. Multiple stage process to produce 3 mil thickness for superior corrosion resistance and maximum durability.

CERTIFICATIONS

UL Listed for wet locations. Equivalent to IP65 rating. FCC compliant. RoHs compliant. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.slgus.com/DLC to confirm which versions are qualified.

MOUNTING



AL-SPAR
(Optional Photocell)



AL-WM
(Optional Photocell)



AL-SFD
(Optional Photocell)



AL-EGS



AL-T



ALG2-Y

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OPTIONS



MS-FSP-212
Dimmable Motion Sensor



MS-FSP-L3/L7
Lens

The **MS-FSP-212** provides multi-level control base on motion and daylight level. Requires L3 or L7 lens depending the mounting height.

Operation Voltage	Shape	Adjustable Time Delay	Fade Down Time	Operating Temperature	Mounting Height For MS-FSP-L3	Mounting Height For MS-FSP-L7
120/277V	Cone	30 sec - 30 min	0-10 sec	-40°F to 158°F	20 ft*	40 ft**

* Covers a 40 ft diameter when mounting height is 20 ft. Coverage is equal to 2x the height.

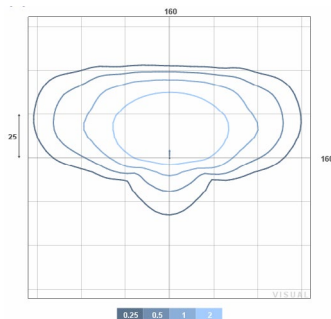
** Covers a 100 ft diameter when mounting height is 40 ft. Coverage is equal to 2.5x the height

PHOTOMETRIC

Type III

Type III optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.

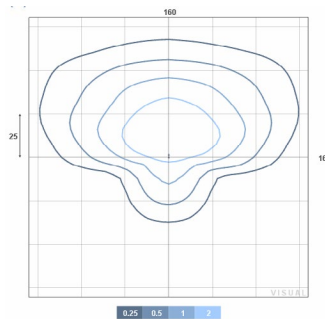
ALM 140 T3 G3 5K



Type IV

Type IV is suitable for applications where light is primarily required forward with minimal back light. Typical installations include perimeter poles.

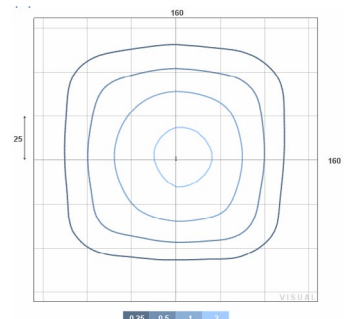
ALM 140 T4 G3 5K



Type V

Type V optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type V luminaires is universal for most area lighting applications.

ALM 140 T5 G3 5K

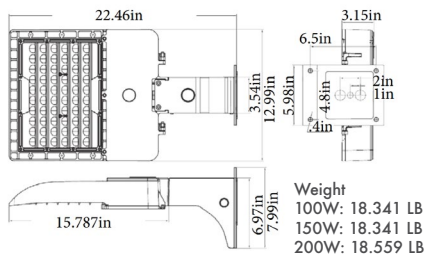


Mounting Height	15	20	25	30	35
Multiplier	2.8	1.6	1.0	0.7	0.5

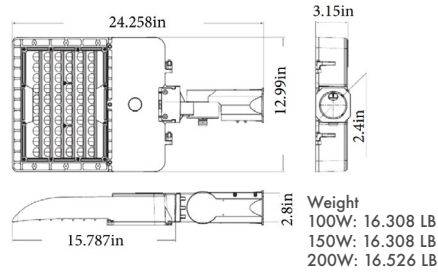
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DIMENSIONS

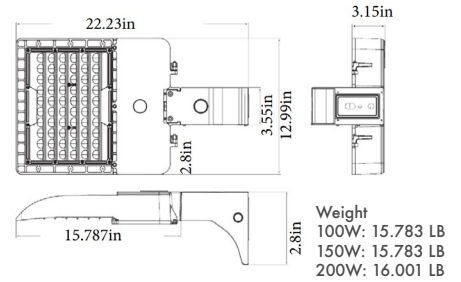
MEDIUM
100W, 150W, 200W
Wall Mount



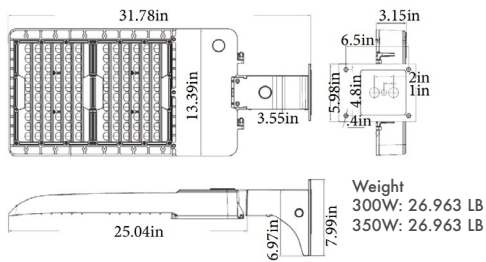
MEDIUM
100W, 150W, 200W
Slipfitter Mount



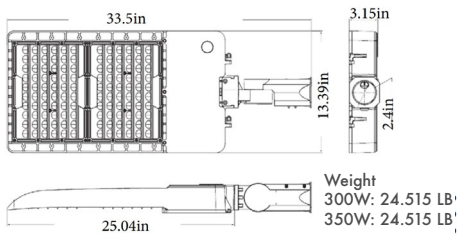
MEDIUM
100W, 150W, 200W
Pole Mount



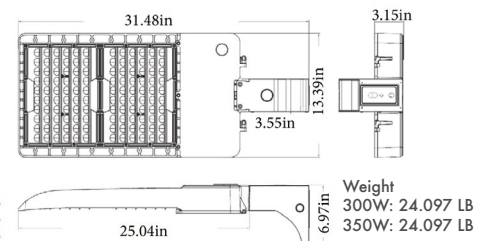
LARGE
300W & 350W
Wall Mount



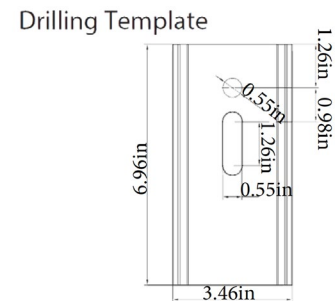
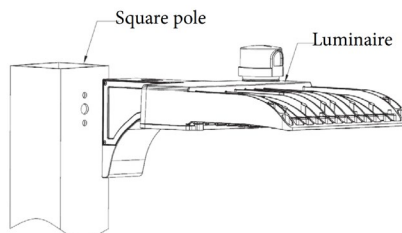
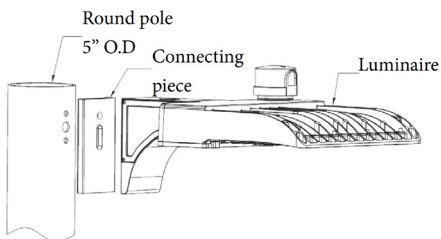
LARGE
300W & 350W
Slipfitter Mount



LARGE
300W & 350W
Pole Mount



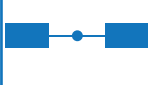

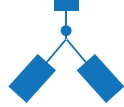



MOUNTING DIMENSIONS



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EPA OF AREA LIGHT

									
M	ALM 140	100W							
	ALM 210	150W	0.4418	0.7145	0.8813	0.8836	1.0548	1.0135	1.0548
	ALM 280	200W							
L	ALL 430	300W	0.5614	0.8471	1.105	1.1228	1.294	1.2503	1.294
	ALL 510	350W							

PERFORMANCE COMPARISON

Product Series	Wattage	Lumen	Efficacy	Replaces	Voltage	Mounting Height	DLC
ALM 140	100W	14,538 Lm	145 Lm/W	250W	120-277V	20-30 ft	Premium
ALS 210	150W	22,000 Lm	146 Lm/W	400W	120-277V	20-30 ft	Premium
ALM 280	200W	28,000 Lm	140 Lm/W	400W	120-277V	20-30 ft	Premium
ALM 430	300W	44,000 Lm	146 Lm/W	750W	120-277V	30-50 ft	Premium
ALL 510	350W	50,350 Lm	144 Lm/W	1000W	120-277V	30-50 ft	Premium

ELECTRICAL LOAD

			Current (A)					
	Series Number	Wattage	120V	208V	240V	277V	347V	480V
ALM	ALM 140 T3 G3 5K	100W	0.83	0.48	0.42	0.36	0.29	0.21
	ALM 210 T3 G3 5K	150W	1.25	0.72	0.63	0.54	0.43	0.31
	ALM 280 T3 G3 5K	200W	1.66	0.96	0.83	0.72	0.58	0.42
ALL	ALL 430 T3 G3 5K	300W	2.5	1.44	1.25	1.08	0.87	0.62
	ALL 510 T3 G3 5K	350W	2.92	1.68	1.46	1.26	1.01	0.73

PROJECTED LUMINAIRE MAINTENANCE

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

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BUG RATING

SERIES NUMBER	WATTAGE	DISTRIBUTION TYPE	4000K CCT				5000K CCT			
			LUMENS	B	U	G	LUMENS	B	U	G
ALM 140 TX G3 XK	100W	Type III	14,433	2	0	2	14,538	2	0	2
		Type IV	13,987	3	0	4	14,100	3	0	4
		Type V	14,384	4	0	4	14,500	4	0	4
ALM 210 TX G3 XK	150W	Type III	21,033	3	0	3	22,000	3	0	3
		Type IV	20,534	3	0	4	20,700	3	0	4
		Type V	21,104	4	0	4	21,274	4	0	4
ALM 280 TX G3 XK	200W	Type III	27,220	4	0	3	27,440	4	0	3
		Type IV	26,947	3	0	4	27,164	3	0	4
		Type V	27,974	5	0	5	28,200	5	0	5
ALL 430 TX G3 XK	300W	Type III	42,801	3	0	4	43,986	3	0	4
		Type IV	41,862	4	0	4	41,890	4	0	4
		Type V	43,099	5	0	5	43,094	5	0	5
ALL 510 TX G3 XK	350W	Type III	49,814	3	0	5	50,319	3	0	5
		Type IV	48,793	3	0	5	48,872	3	0	5
		Type V	50,283	5	0	5	50,283	5	0	5

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

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