

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

AL Area Light Generation 1

ALS Small



Images are shown for illustration purposes only.

The **AL Series Area Light Gen 1** with a lumen output between 9,000 to 13,400 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

ALS: 175W- 250W MH



PERFORMANCE INFORMATION

SERIES NUMBER	WATT	LUMENS	DIST	CCT
ALS 90 T3 G1 5K	70W	9,000	Type III	5000K
ALS 130 T3 G1 5K	105W	13,400	Type III	5000K

MOUNTING & OPTIONS



AL-SPAR



AL-WM



AL-SFD



AL-T



PC-1



PC-2



MS-FSP-211/221B



L3/L7



MS-FSIR-100

ORDERING GUIDE

EXAMPLE: ALS 90 T3 G1 5K

Luminaire Type	Lumen Output	Dist. Type	Generation	Voltage	CCT	Finish	Mount	Options
ALS Area Light Small	90 9,000 Lumens 70W 130 13,400 Lumens 105W	T3 Type III T4 Type IV T5 Type V	G1	BLANK 120-277V HVU 347-480V	4K 4000K 5K 5000K	BLANK Dark Bronze C= Custom*	AL-SPAR Square and Round Pole Mount AL-WM Wall Mount AL-SFD Slipfitter Mount AL-SFD-P1 Slipfitter Mount with PC-1 (Photocell 120V-277V) AL-T Trunnion Mount	PC-1 Twist-lock Photocell (120-277V) PC-2 Twist-lock Photocell (480V) PC-3 7-Pin receptacle MS-FSP-211 Motion Sensor 120-277V (Choose 1) L3 2x Lens (Max 20ft Mounting Height) L7 2.5x Lens (Max 40ft Mounting Height) MS-FSP-221B Motion Sensor 347-480V† (Choose 1) L3 2x Lens (Max 20ft Mounting Height) L7 2.5x Lens (Max 40ft Mounting Height) MS-FSIR-100 Wireless Commissioning Tool MS-LPS-202-L3 PIR Motion Sensor with 360° L3 Lens, Max 40ft mounting height

*For a custom color, please call to place your order
 † Requires 1 MS-FSIR-100 per job site

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

SPECIFICATIONS

HOUSING

One piece die-cast aluminum housing with anti-corrosive paint.

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. Photocell is mounted to the Square and Round Pole Mount, Wall Mount, and Slipfitter Mount by default.

EFFICACY

Up to 133 lumen's 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 IP66 protection.

WARRANTY

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

ELECTRICAL

Standard 120-277V. HVU 347V/480V.
50/60Hz with open/short circuit protection. Standard 1.5ft power cord, 18 gauge with 3 conductors. 10K Surge protector per ANSI/IEEE C62.41.2. Dimming 0-10V. NEMA twist-lock photocell control.

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 IP66 rating. FCC compliant. RoHs compliant. Please visit www.slgus.com to confirm additional certifications.

MOUNTING



AL-SPAR
(Optional Photocell)



AL-WM
(Optional Photocell)



AL-SFD
(Optional Photocell)



AL-T

OPTIONS



MS-FSP-211
Dimmable Motion Sensor



MS-FSP-L3/L7
Lens

The **MS-FSP-211** 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.

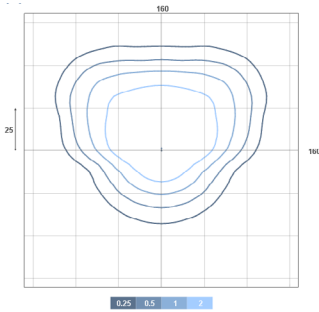
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PHOTOMETRIC

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.

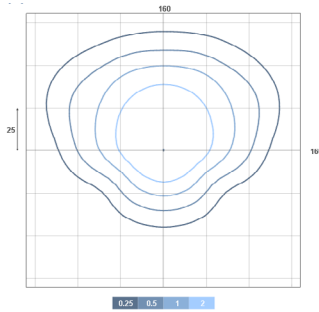
ALM 195 T3 G2 4K



Type IV

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

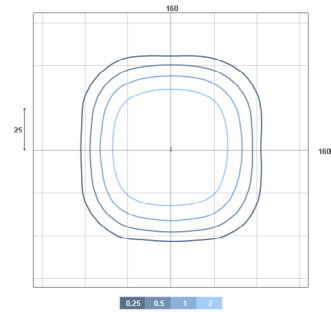
ALM 195 T4 G2 4K



Type V

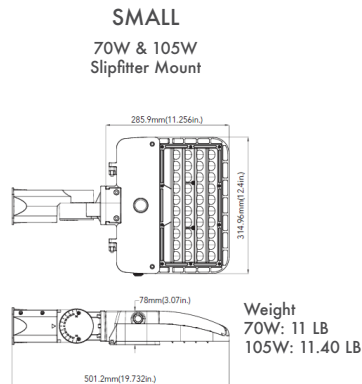
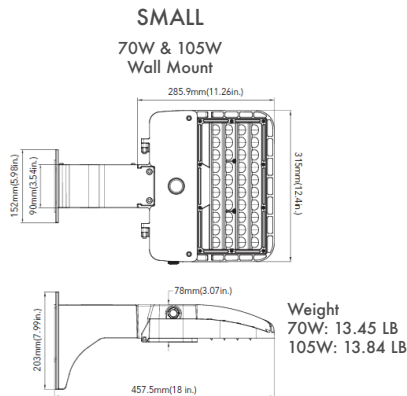
Type V optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type V luminaires is universal for most area lighting applications.

ALM 195 T5 G2 4K



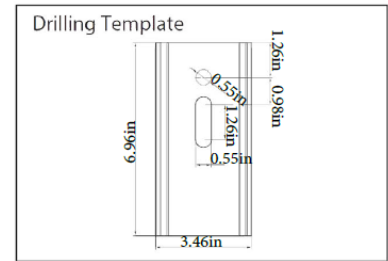
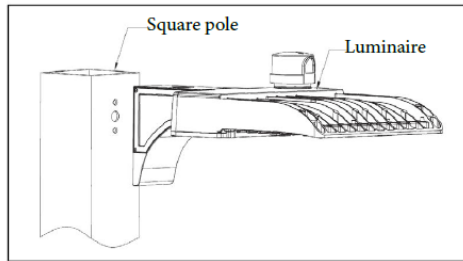
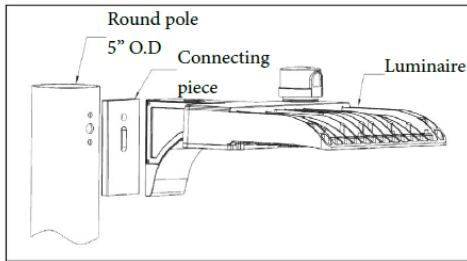
Mounting Height	15	20	25	30	35
Multiplier	2.8	1.6	1.0	0.7	0.5

DIMENSIONS

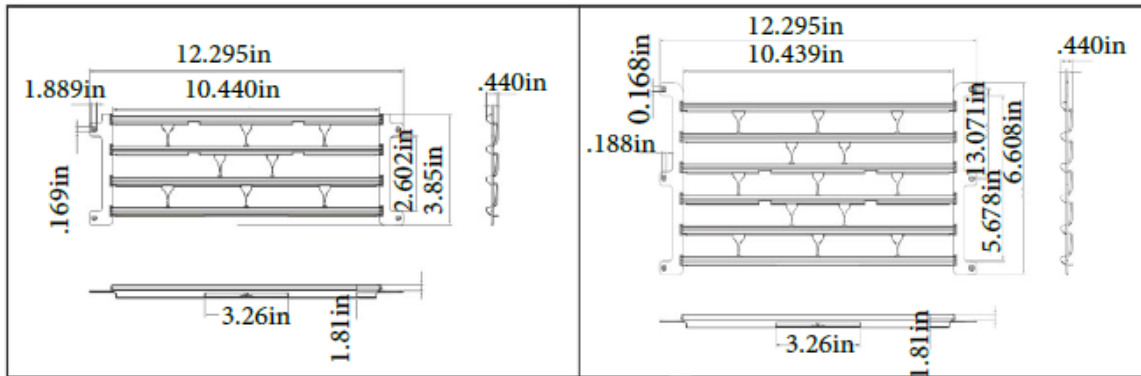


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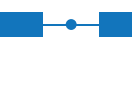
MOUNTING DIMENSIONS



BACKLIGHT CONTROL OPTIONS



EPA OF AREA LIGHT

									
S	ALS 90 ALS 130	70W 105W	0.626	0.705	0.971	0.981	0.982	0.975	0.982

PERFORMANCE INFORMATION

		5000K CCT					4000K CCT			
Series Number	Wattage	Lumen	Dist Type	B	U	G	Lumen	B	U	G
ALS 90 T3 G1 5K	70W	9,000 Lm	Type III	2	0	2	9,000 Lm	2	0	2
		8,670 Lm	Type IV	2	0	2	8,750 Lm	2	0	2
		9,479 Lm	Type V	3	0	1	9,777 Lm	3	0	1
ALS 130 T3 G1 5K	105W	13,400 Lm	Type III	3	0	2	13,400 Lm	3	0	2
		13,676 Lm	Type IV	3	0	3	13,999 Lm	3	0	3
		12,787 Lm	Type V	3	0	1	12,885 Lm	3	0	1

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PERFORMANCE COMPARISON

Product Series	Wattage	Lumen	Efficacy	Replaces	Voltage	Max Mounting Height	DLC
ALS 90	70W	9,000 Lm	129 Lm/W	175W	120-277V	15-20 ft	Standard
ALS 130	105W	13,400 Lm	128 Lm/W	250W	120-277V	15-20 ft	Standard

ELECTRICAL LOAD

			Current (A)					
	Series Number	Wattage	120V	208V	240V	277V	347V	480V
ALS	ALS 90 T3 G1 5K	70W	0.58	0.34	0.30	0.25	N/A	N/A
	ALS 130 T3 G1 5K	105W	0.87	0.50	0.44	0.38	N/A	N/A

PROJECTED LUMINAIRE MAINTENANCE

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

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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