

LED Area Light-8

Outdoor Area Light



OVERVIEW	
Lumen Output Range	22473- 35894.4
Wattage Range	150W/ 200W/ 240W
Efficacy Range (LPW)	149.82-161.77
Weight lbs (kg)	14.71(6.38)-14.75(6.69)

QUICK LINKS

Ordering Guide	Performance	Photometrics	Dimensions
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FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing for maximum durability and reliability.
- IP65 rated luminaire protects integral components from harsh environments.
- Shipping weight: 14.07lbs to 14.75lbs.

Optical System

- Premium engineered IP65 rated acrylic optic assemblies deliver Type 2, 3, 4 or 5 distributions.
- Zero uplight with pole mount arm.
- Available in 5000K, 4000K and 3000K color temperatures selectable.
- Minimum CRI of 80.

Electrical

- High-performance driver features short circuit and over temperature protection with integral surge protection (10kV).
- 0-10V dimming (0% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz.
- Total harmonic distortion: <10%
- Operating temperature: -40°C to +50°C (-40°F to +122°F).

- Power factor: >0.90
- Input power stays constant over life.
- Optional 10KV surge protection device meets a minimum.
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation.

Controls

- Photocell and Motion Sensor
- Bypass cap.

Installation

- Mounting method ships separately and can be quickly connected to the luminaire.
- Wiring leads extended out of the main housing eliminating the need of opening the luminaire electrical chamber.

- Utilizes B2 pole drill pattern for arm mounting.
- Utilizes adjustable slip fitter for mast arm or tenon mounting.
- Optional die-cast slip fitter allows for mounting onto a 2.2/8" IP, 2.4/8" O.D. tenon allowing for tilting up to 90 degrees.

Warranty

- luminaires carry a 5-year limited warranty. Complete warranty terms are located on our website.

Listings

- Listed to UL.
- Suitable for wet Locations.
- IP65 rated Luminaire per.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- DesignLights Consortium® (DLC) qualified product.

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ORDERING GUIDE

TYPICAL ORDER EXAMPLE: **AL8 240 3 AM CCT WS UNV DIM BRZ**

Luminaire Prefix	Light Source	Power&Lumen	Lens&Distribution	Mounting Options	Color Temp
AL8-Led Area Light 8 series	LED	150W- 22473lm-24265.5 200W- 29964lm-32354lm 240W- 34522lm-35894lm	3 - Type 3 4 - Type 4	DM - Direct mount AM - Slip fitter YM - yoke mount FM - Flood mount	CCT- 3000K, 4000K and 5000K CCT selectable
Wattages	Voltage	Driver	Finish	Options	
WS - wattages selectable	UNV - Universal Voltage (120-277V)	DIM - 0-10V Dimming(0-100%)	BRZ - Brown color Option - Cutome Color	(Blank) - None SPD - 10kV Surge Protection Device IHS - Integral House Side S	

Accessory Ordering Information⁴

CONTROLS ACCESSORIES	
Description	Order Number
PC120 Photocell for use with CR7P option (120v)	122514
PC208-277 Photocell for use with CR7P option (208V, 240V, 277V)	122515
AirLink 5 Pin Twist Lock Controller	661409
AirLink 7 Pin Twist Lock Controller	661410
Shorting Cap for use with CR7P	149328

FUSING ACCESSORIES ⁵	
Description	Order Number
Single Fusing (120V)	See Fusing Guide
Single Fusing (277V)	

MOUNTING ACCESSORIES ⁶	
Description	Order Number
Round Pole Adapter for SSA/SMA for 4" or 5" OD Poles	SARPA45 BRZ
Round Pole Adapter for SSA/SMA for 3" or 3.5" OD Poles	SARPA3 BRZ
Quick Pole Mount Bracket (Square Pole)	751534 CLR
15° Quick Pole Mount Bracket (Square Pole)	740022 CLR
Wood Pole Bracket (6" Minimum OD Pole, Bronze Finish)	750440
Wall Mount Bracket (Bronze Finish)	750441
Square Pole Tenon Adapter (For 2 3/8" Tenon)	BKA 2NM Q90 BRZ
10' Linear Bird Spike Kit (3' Recommended per Luminaire)	751632

FOOTNOTES:

- 1 - below 100w and over 300w power available, consult facotry.
- 2 - Control device or shorting cap must be ordered separately. See Accessory Ordering Information.
- 3 - Mounting and accessories are shipped separately and field installed.
- 5 - Fusing must be located in hand hole of pole.
- 6 - "CLR" denotes finish. See Finish options.



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PERFORMANCE

DELIVERED LUMENS*												
Wattage	Power Adjust	Distribution	CRI	3000K			4000K			5000K		
				Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating
240w	240W	Type 3 lens	82	34522	149.82	4-0-4	35807.8	161.77	4-0-4	35894.4	155.34	4-0-4
	200W	Type 3 lens	82	29964	149.82	4-0-4	32354	161.77	4-0-4	31068	155.34	4-0-4
	150W	Type 3 lens	82	22473	149.82	4-0-4	24265.5	161.77	4-0-4	23301	155.34	4-0-4
375w	375W	Type 3 lens	85	49058.5	137.1	5-0-4	50457.7	146.94	5-0-4	50605.3	141.32	5-0-4
	300W	Type 3 lens	85	41130	137.1	5-0-4	44082	146.94	5-0-4	42396	141.32	5-0-4
	260W	Type 3 lens	85	35646	137.1	5-0-4	38204.4	146.94	5-0-4	36743.2	141.32	5-0-4

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA*				
Wattage	120V	208V	240V	277V
240w	2.00	1.15	1.00	0.86
375w	3.13	1.80	1.56	1.35

*Electrical data at 25C (77F). Actual wattage may differ by +/-0.3%.

RECOMMENDED LUMEN MAINTENANCE (4L-9L)					
Ambient Temperature	CInitial ²	3K hrs. ²	5K hrs. ³	7K hrs. ³	9K hrs. ³
1C-85C	100%	99.83%	99.56%	99.16%	98.81%

1 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.

2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.

3 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing times the IESNA LM-80-08 total test duration for the device under testing.

LUMINAIRE EPA CHART					
Wattage	 Single	 D180°	 D90°	 T90°	 Q90°
240W	0.76	1.53	0.94	1.53	1.53
375W	0.84	1.67	1.03	1.67	1.67

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PHOTOMETRICS

Luminaire photometry has been conducted by an accredited laboratory in accordance with IESNA LM-79. As specified by IESNA LM-79 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

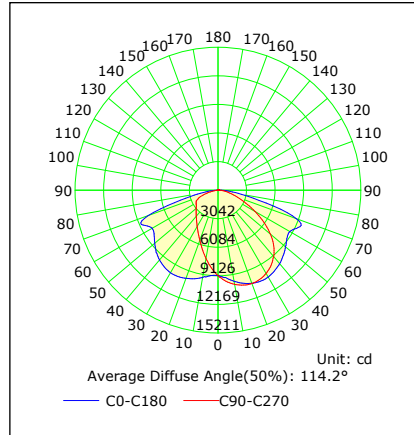
AL8 240W

LUMINAIRE DATA

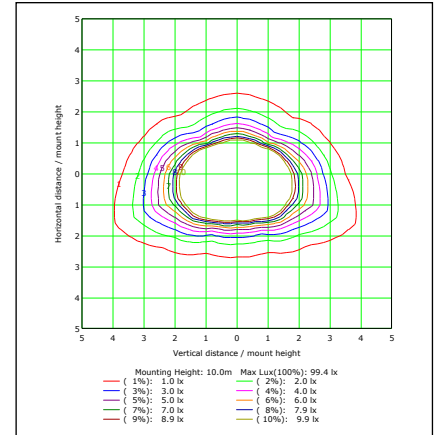
Type 3 Distribution	
Description	3000 Kelvin
Delivered Lumens	34,522
Watts	230.42
Efficacy	149.87
IES Type	Type 3
CRI	82

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
Low (0-30)°	7,761.80	22.30%
Medium (0-60)°	25,293.70	72.60%
High (60-90)°	9,554.20	27.40%
Very High (70-100)°	4,000.60	11.50%
Uplight (90-120)°	0	0%
Total Flux	34,847.90	100%

Luminous Intensity Distribution Curve



ISO FOOTCANDLE



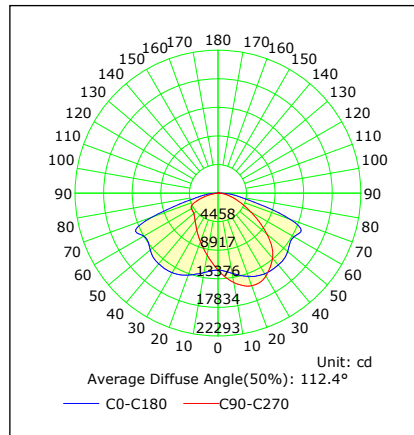
AL8 375W

LUMINAIRE DATA

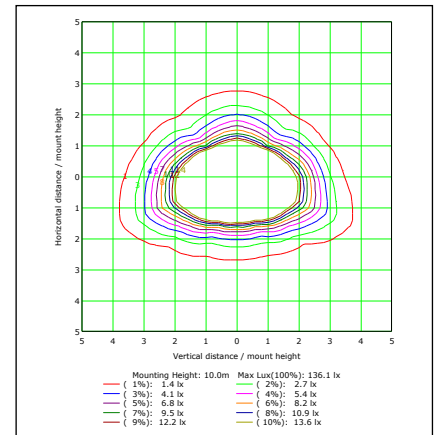
Type 3 Distribution	
Description	3000 Kelvin
Delivered Lumens	49,059
Watts	357.83
Efficacy	137.15
IES Type	Type 3
CRI	82

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
Low (0-30)°	10,743.60	21.50%
Medium (0-60)°	36,407.60	73.00%
High (60-90)°	13,470.90	27.00%
Very High (70-100)°	5,286.50	10.60%
Uplight (90-120)°	0	0%
Total Flux	49,878.50	100%

Luminous Intensity Distribution Curve



ISO FOOTCANDLE



PACKAGE

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Power	Stent Type	Size	Qty/ Carton	Lamps Net Weight	Weight/ Carton
240W	AM	30.71*14.09*5.79 inch	1 PC	11.6lbs	14.06lbs
	DM		1 PC	11.86lbs	14.11lbs
	YM	29.13*14.09*5.79 inch	1 PC	12.41lbs	14.44lbs
	FM		1 PC	11.75lbs	13.67lbs
375W	AM	34.84*15.16*5.79 inch	1 PC	12.43lbs	14.74lbs
	DM		1 PC	12.7lbs	14.76lbs
	YM	33.27*15.16*5.79 inch	1 PC	13.03lbs	15.14lbs
	FM		1 PC	12.73lbs	13.69lbs

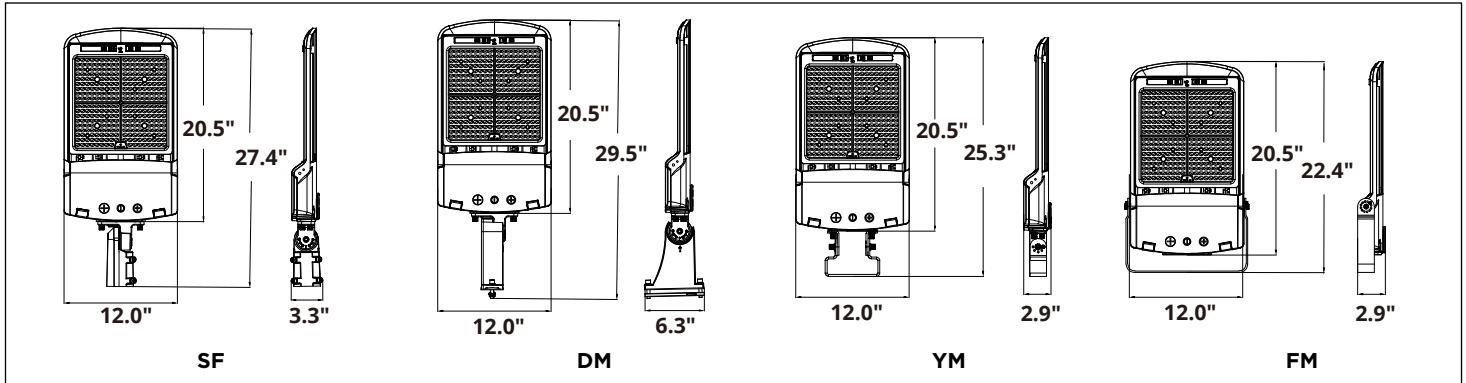
Tolerance of Carton Size: ±15 MM, Tolerance of Weight: ±10%.

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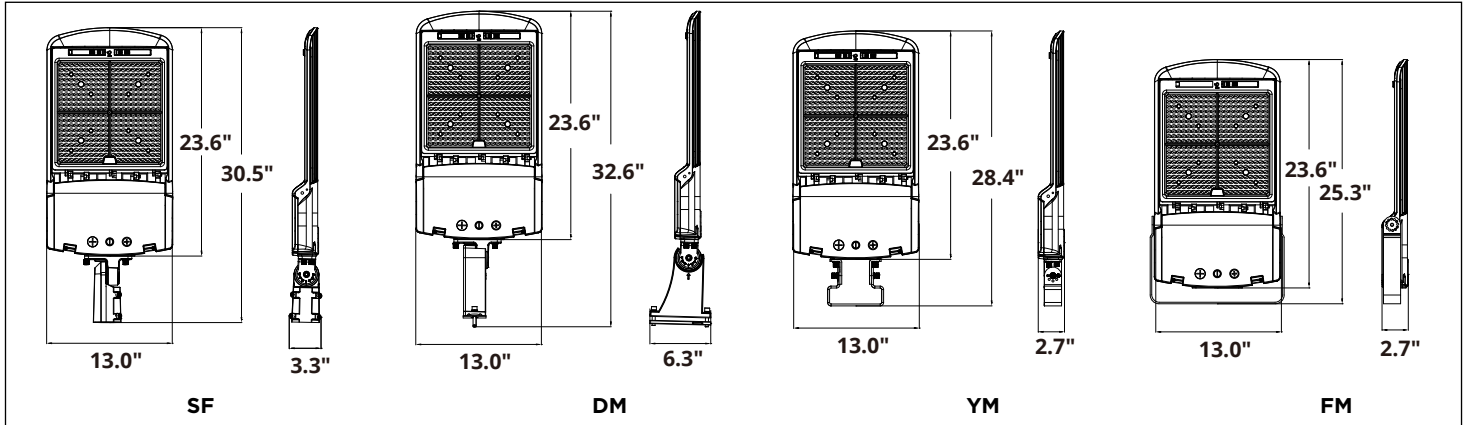
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PRODUCT DIMENSIONS

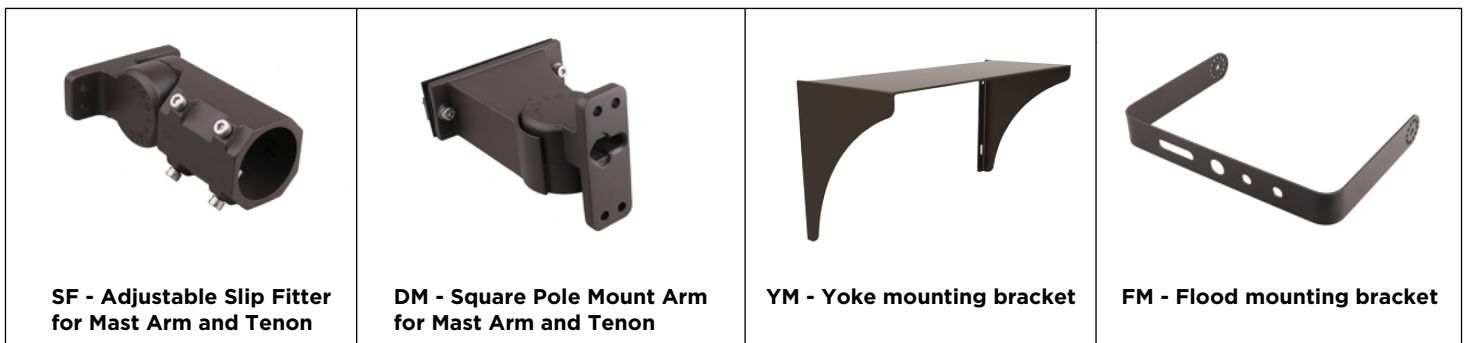
240W



375W



MOUNTING

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SHIELD

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