

LED Area Light-1

Outdoor Area Light



IP65



OVERVIEW	
Lumen Output Range	19051.6 - 56975.3
Wattage Range	150W - 450W
Efficacy Range (LPW)	122 - 139
Weight lbs (kg)	14.52(6.6)-27.94(12.7)

QUICK LINKS

[Ordering Guide](#)
[Performance](#)
[Photometrics](#)
[Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing for maximum durability and reliability.
- IP65 rated luminaire protects integral components from harsh environments.
- Shipping weight: 14.52 lbs to 27.94 lbs in carton.

Optical System

- Premium engineered IP65 rated acrylic optic assemblies deliver Type 3 distributions.
- Zero uplight with pole mount arm.
- Available in 5700K, 5000K, 4000K and 3000K color temperatures per
- Minimum CRI of 70.

Electrical

- High-performance driver features short circuit and over temperature protection with integral surge protection (6kV).
- 1-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz.
- Total harmonic distortion: <10%
- Operating temperature: -40°C to +45°C (-40°F to +113°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

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TYPICAL ORDER EXAMPLE: **AL-1-150-3-SF-40K-UNV-DIM-BRZ**

Luminaire Prefix	Light Source	Power&Lumen	Lens&Distribution	Mounting Options	Color Temp
AL1 - Area Light 1	LED	150 - 20012-21133 lms 200 - 25989-27358 lms 300 - 39808-42381 lms 300 - 39808-42381 lms 450 - 55150-56975.3 lms	PC - Polycarbonate Lens 3 - Type 3	DM - Square Pole Mount Arm SF - Adjustable Slip fitter UM - Flood mounting bracket YM - Yoke mounting bracket	50 - 5000K CCT 57 - 5700K CCT 40 - 4000K CCT 30 - 3000K CCT
Voltage	Driver	Finish	Controls (Choose One)	Options	
UNV - Universal Voltage (120-277V) 480 - High Power (277-480V)	DIM - 1-10V Dimming(10-100%)	BRZ - Bronze WHT - White Option - Cutome Color		(Blank) - None SPD - 10kV Surge Protection Device IHS - Integral House Side Shield 3NP - 3pins photocell	

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	Distribution	CRI	5700K			5000K			4000K		
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating
150w	Type 3	70	19811.8	132.68	B3 U2 G3	19431.7	130.0	B3 U2 G3	19051.6	128.13	B3 U2 G3
240W	Type 3	70	32296.9	134.00	B4 U3 G4	31763.2	130.40	B4 U3 G4	31229.5	129.59	B4 U3 G4
300w	Type 3	70	41513.8	138.78	B4 U3 G5	40856.6	136.7	B4 U3 G5	40199.3	134.68	B4 U3 G5
450W	Type 3	70	56975.3	126.50	B5 U3 G5	56062.6	124.5	B5 U3 G5	55150.0	122.38	B5 U3 G5

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA*				
Wattage	120V	208V	240V	277V
150w	1.25	0.72	0.63	0.54
240w	2.00	1.15	1.00	0.87
300w	2.50	1.44	1.25	1.08
450w	3.75	2.16	1.88	1.62

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

RECOMMENDED LUMEN MAINTENANCE (19L-57L) ¹					
Ambient Temperature ^c	CInitial ²	3K hrs. ²	5K hrs. ³	7K hrs. ³	10K hrs. ³
1C-85C	100%	99.30%	98.00%	99.30%	97.60%

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						
100W-150W	 Single	 D180°	 D90°	 T90°	 TN120°	 Q90°
EPA	0.63ft ²	1.26ft ²	0.86ft ²	1.26ft ²	1.26ft ²	1.26ft ²
200W-300W	 Single	 D180°	 D90°	 T90°	 TN120°	 Q90°
EPA	0.87ft ²	1.74ft ²	1.07ft ²	1.74ft ²	1.74ft ²	1.74ft ²
450W	 Single	 D180°	 D90°	 T90°	 TN120°	 Q90°
EPA	1.12ft ²	2.24ft ²	1.33ft ²	2.24ft ²	2.24ft ²	2.24ft ²

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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%.

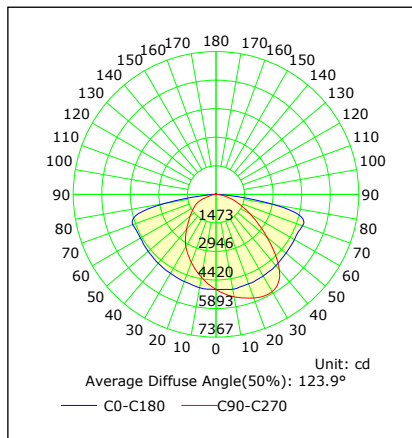
AL1 150W T3

LUMINAIRE DATA

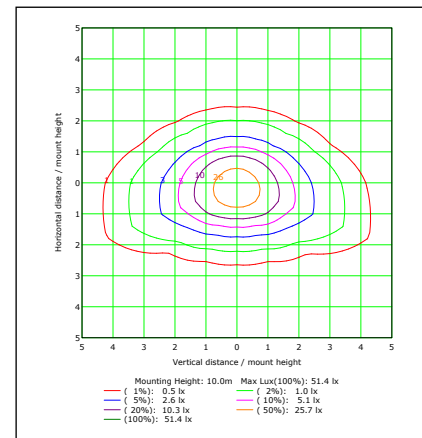
Type 3 Distribution	
Description	3000 Kelvin
Delivered Lumens	19,051
Watts	150
Efficacy	128.13
IES Type	Type III - Medium
CRI	70

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
Low (0-30)°	4,107.00	21.60%
Medium (0-60)°	13,404.30	70.40%
High (60-90)°	5,599.30	29.40%
Very High (70-100)°	2,783.50	14.60%
Uplight (90-120)°	0	0%
Total Flux	19,050.60	100%

Luminous Intensity Distribution Curve



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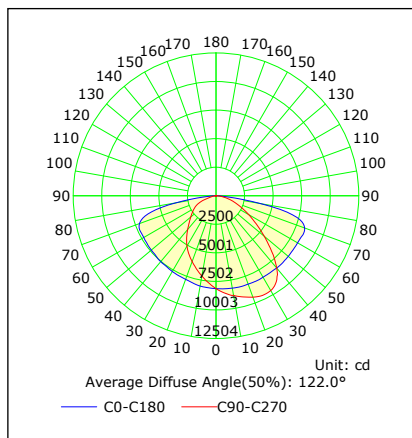
AL1 240W T3

LUMINAIRE DATA

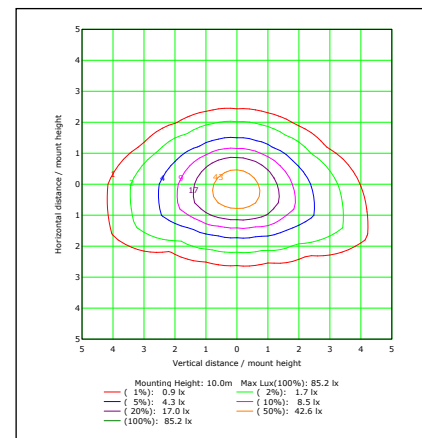
Type 5 Distribution	
Description	3000 Kelvin
Delivered Lumens	31,228
Watts	240
Efficacy	129.59
IES Type	Type III - Medium
CRI	70

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
Low (0-30)°	6,812.40	21.80%
Medium (0-60)°	22,243.50	71.20%
High (60-90)°	8,883.70	28.40%
Very High (70-100)°	4,218.20	13.50%
Uplight (90-120)°	0	0%
Total Flux	31,227.60	100%

Luminous Intensity Distribution Curve



ISO FOOTCANDLE



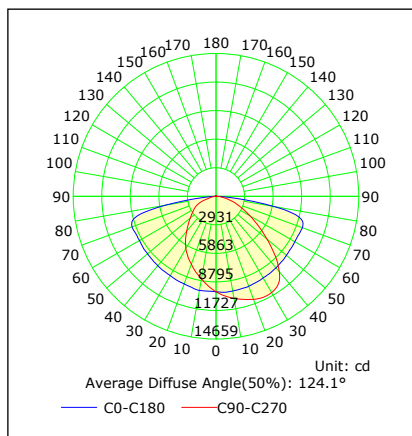
AL1 300W T3

LUMINAIRE DATA

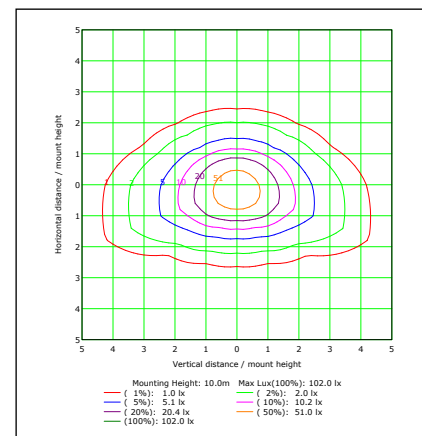
Type 5 Distribution	
Description	3000 Kelvin
Delivered Lumens	40,197
Watts	300
Efficacy	134.68
IES Type	Type III - Medium
CRI	70

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
Low (0-30)°	8,261.00	20.60%
Medium (0-60)°	28,085.00	69.90%
High (60-90)°	12,112.00	30.10%
Very High (70-100)°	5,709.00	14.20%
Uplight (90-120)°	0	0%
Total Flux	40,197.00	100%

Luminous Intensity Distribution Curve



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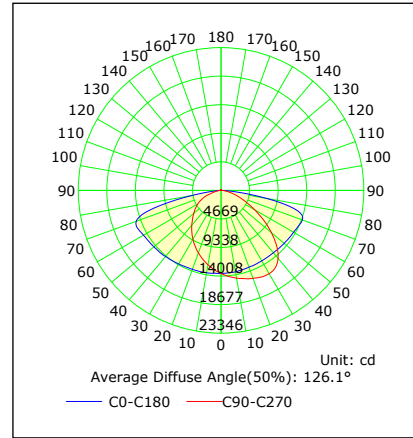
PHOTOMETRICS

AL1 450W T3

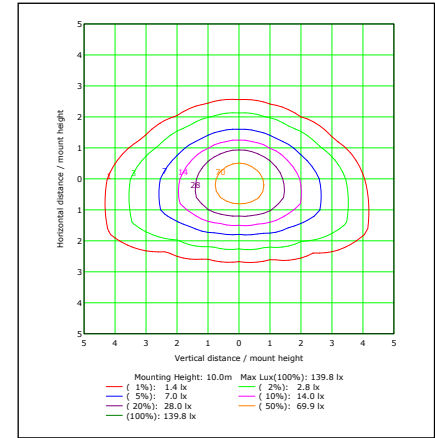
LUMINAIRE DATA

Type 5 Distribution	
Description	3000 Kelvin
Delivered Lumens	55,147
Watts	450
Efficacy	122.38
IES Type	Type III - Medium
CRI	70

Luminous Intensity Distribution Curve



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MOUNTING

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 SF - Adjustable Slip Fitter for Mast Arm and Tenon	 DM - Square Pole Mount Arm for Mast Arm and Tenon	 YM - Yoke mounting bracket	 UM - Flood mounting bracket
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SHIELD

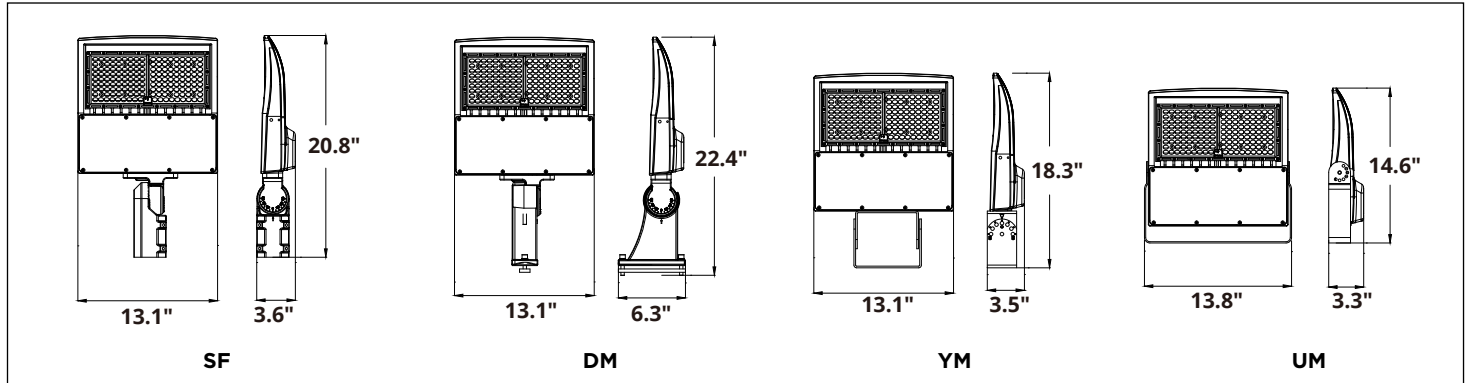
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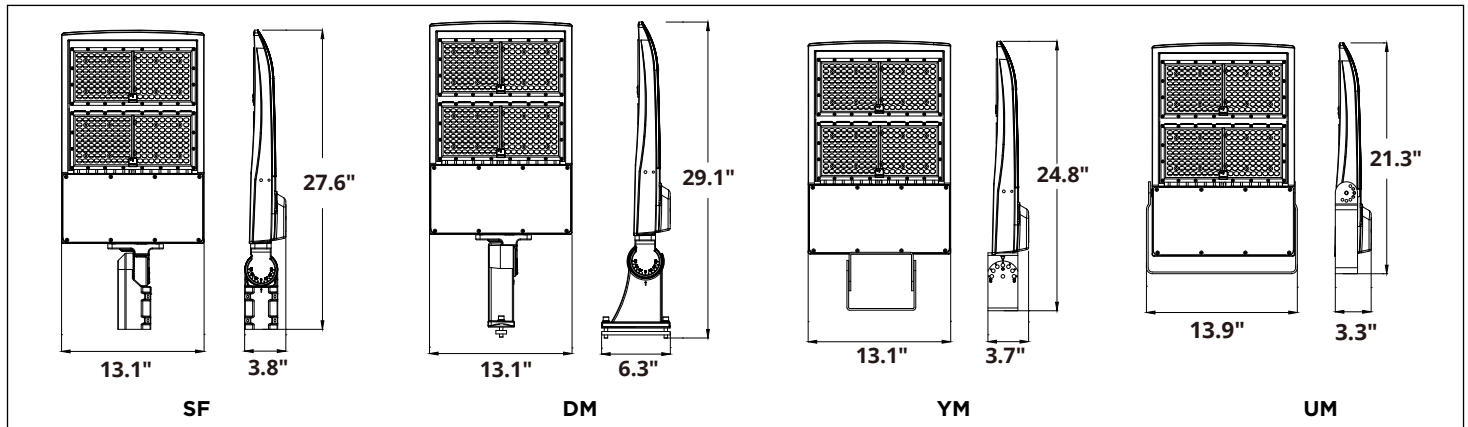
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PRODUCT DIMENSIONS

150W



240W, 300W



450W

