

# LED Area Light-3F

## Outdoor Area Light



**IP65**



<b>OVERVIEW</b>	
Lumen Output Range	19537.2--41816.6
Wattage Range	150W-300W
Efficacy Range (LPW)	140
Weight lbs (kg)	10.54(4.78)-13.67(6.2)

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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: 10.54lbs to 13.67lbs.

### 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 5700k, 5000K, 4000K or 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
- 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.

## ORDERING GUIDE

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**TYPICAL ORDER EXAMPLE: AL3F 300 3 AM 57K UNV DIM BRZ**

Luminaire Prefix	Light Source	Power&Lumen	Lens&Distribution	Mounting Options	Color Temp
AL3F-Led Area Light 3F series	LED	<b>150W</b> - 19537.2lm-20856.0lm <b>300W</b> - 39101.3lm-41816.6lm	<b>3</b> - Type 3 <b>5</b> - Type 5	<b>DM</b> - Direct mount <b>AM</b> - Slip fitter <b>YM</b> - yoke mount <b>FM</b> - Flood mount	<b>CCT</b> - 3000K, 4000K, 5000K or 5700K
Wattages	Voltage	Driver	Finish	Options	
	<b>UNV</b> - Universal Voltage (120-277V)	<b>DIM</b> - 0-10V Dimming(0-100%)	<b>BRZ</b> - Brown color <b>Option</b> - Cutome Color	<b>(Blank)</b> - None <b>SPD</b> - 10kV Surge Protection Device <b>IHS</b> - Integral House Side S	

## Accessory Ordering Information<sup>4</sup>

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 <sup>5</sup>	
Description	Order Number
Single Fusing (120V)	See Fusing Guide
Single Fusing (277V)	

MOUNTING ACCESSORIES <sup>6</sup>	
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 factory.
- 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

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DELIVERED LUMENS*														
Wattage	Distribution	CRI	3000K			4000K			5000K			5700K		
			Delivered Lumens	Efficacy	BUG Rating									
150w	Type 3 lens	82	19537.2	131.98	B4-U0-G4	19976.8	134.86	B4-U0-G4	20416.4	137.83	B4-U0-G4	20856	140.7	B4-U0-G4
300w	Type 3 lens	85	39101.3	131.51	B5-U0-G5	40006.4	134.39	B5-U0-G5	40911.5	137.43	B5-U0-G5	41816.6	140.31	B5-U0-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
300w	2.50	1.44	1.25	1.08

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

RECOMMENDED LUMEN MAINTENANCE (4L-9L)					
Ambient Temperature	CInitial <sup>2</sup>	3K hrs. <sup>2</sup>	5K hrs. <sup>3</sup>	7K hrs. <sup>3</sup>	9K hrs. <sup>3</sup>
1C-85C	100%	99.82%	99.34%	98.90%	98.49%

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°
300W	0.82	1.63	1.02	1.63	1.63
150W	0.62	1.23	0.82	1.23	1.23

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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%.

### AL3F 150W

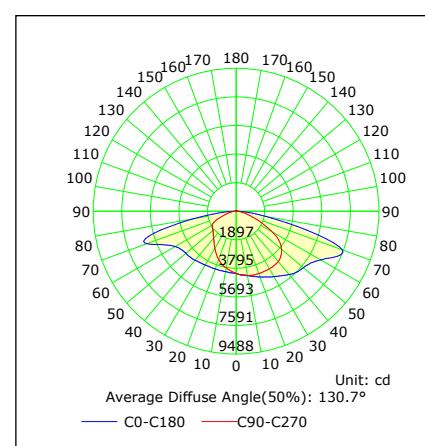
#### LUMINAIRE DATA

Type 3 Distribution	
Description	3000 Kelvin, 82 CRI
Delivered Lumens	19,379
Watts	150
Efficacy	134.91
IES Type	Type 3
BUG Rating	B4 U0 G4

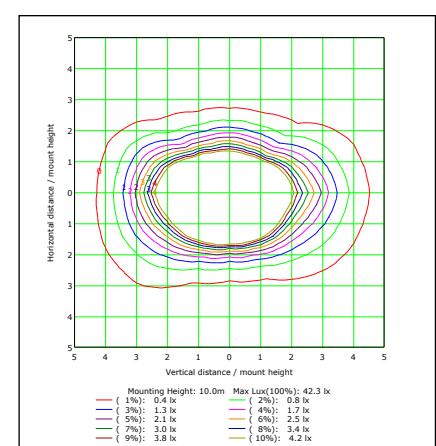
#### Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	3,505.70	17.90%
Medium (0-60)°	12,686.20	64.90%
High (60-90)°	6,850.30	35.10%
Very High (70-100)°	3,368.30	17.20%
Uplight (90-120)°	0	0%
Total Flux	19,379.00	100%

#### Luminous Intensity Distribution Curve



#### ISO FOOTCANDLE



### AL3F 300W

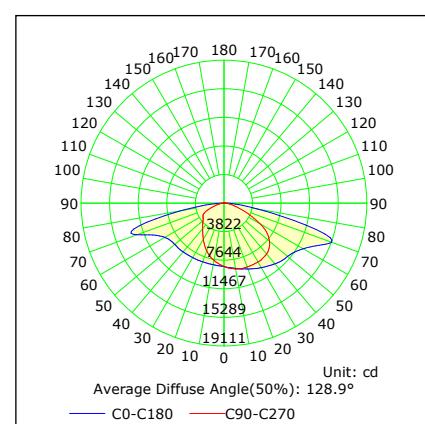
#### LUMINAIRE DATA

Type 3 Distribution	
Description	3000 Kelvin, 82 CRI
Delivered Lumens	38,691
Watts	300
Efficacy	134.34
IES Type	Type 3
BUG Rating	B5 U0 G5

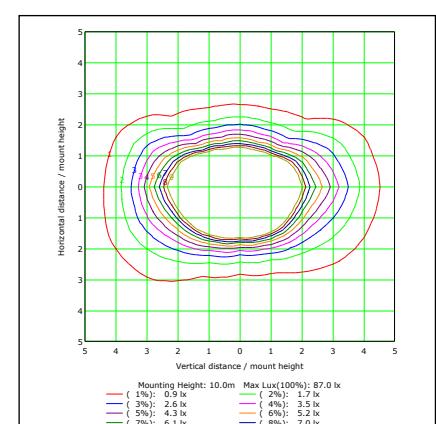
#### Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	7,145.80	218.30%
Medium (0-60)°	25,299.00	64.70%
High (60-90)°	13,801.00	35.30%
Very High (70-100)°	7,019.10	18.00%
Uplight (90-120)°	0	0%
Total Flux	38,690.70	100%

#### Luminous Intensity Distribution Curve



#### ISO FOOTCANDLE

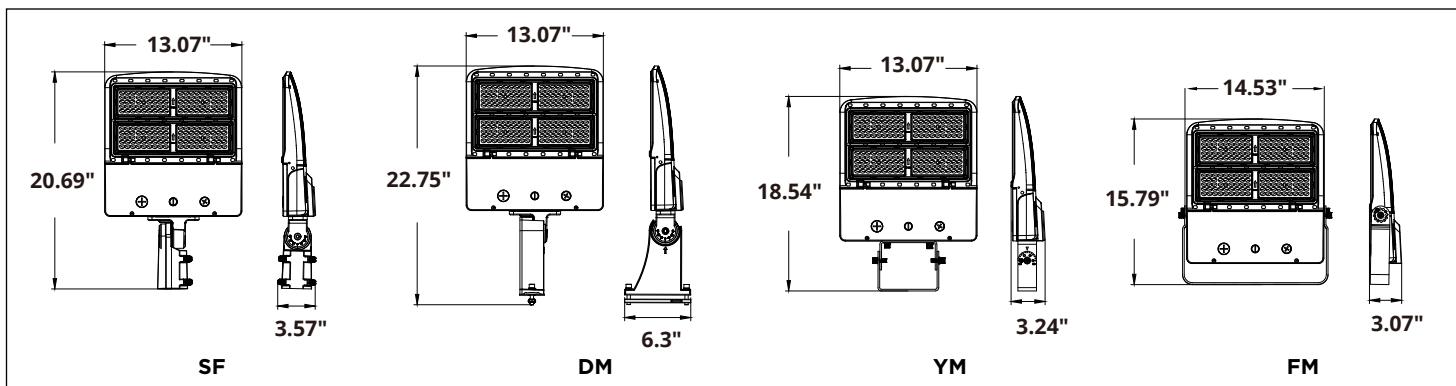
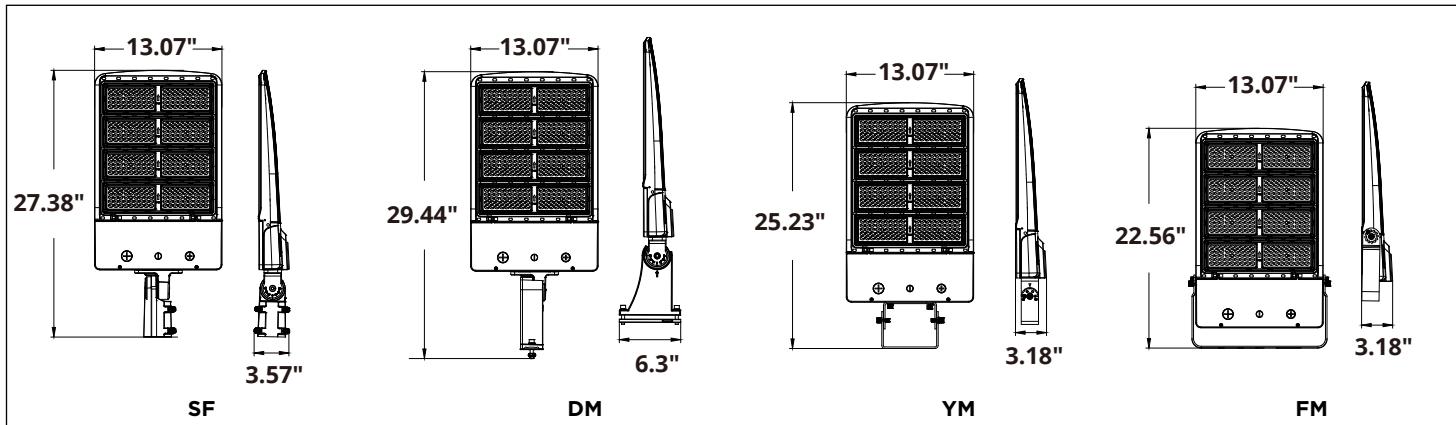
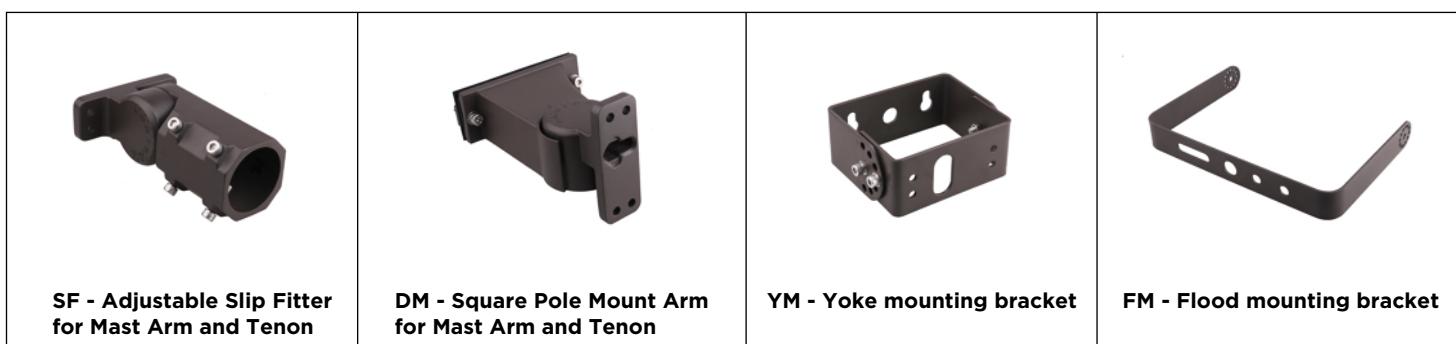


## PACKAGE

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Power	Stent Type	Size	Qty/ Carton	Lamps Net Weight	Weight/ Carton
150W	AM	23.43*15.04*5.63 inch	1 PC	8.42 LBS	10.54 LBS
	DM		1 PC	8.69 LBS	10.58 LBS
	YM	20.73*15.04*5.63 inch	1 PC	9.02 LBS	10.8 LBS
	FM	21.26*15.04*5.63 inch	1 PC	8.36 LBS	10.14 LBS
300W	AM	30.51*15.04*5.63 inch	1 PC	11.13 LBS	13.67 LBS
	DM		1 PC	11.40 LBS	13.71 LBS
	YM	27.56*15.04*5.63 inch	1 PC	11.73 LBS	13.96 LBS
	FM	28.35*15.04*5.63 inch	1 PC	11.07 LBS	13.56 LBS

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

**PRODUCT DIMENSIONS**
**150W**

**300W**

**MOUNTING**

**SHIELD**
