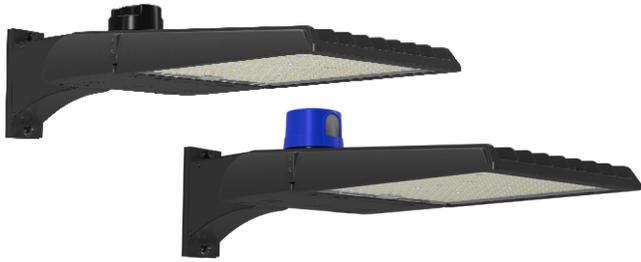


# AL22 Field-Adjustable Area Light w/Adjustable Optics



AL22-150



PROJECT: \_\_\_\_\_

DATE: \_\_\_\_\_

TYPE: \_\_\_\_\_

PREPARED BY: \_\_\_\_\_



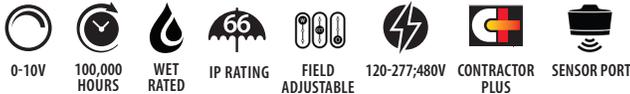
AL22-300



## KEY FEATURES

- Available in two different sizes with selectable wattages:  
SMALL: AL22-150 (150/100/80W) 150W default  
LARGE: AL22-300 (300/240/200W) 300W default
- Selectable CCT: 3000/4000/5000K, 4000K default
- Available in 120-277V and 480V
- Selectable optics for IES distributions Type III, IV and V
- 7-pin receptacle and shorting cap standard on all models. 3-pin twistlock photocell included.
- Built-in sensor port for use with compatible occupancy sensors
- Universal adjustable pole mount standard. Universal non-adjustable pole mount, slipfitter, and wall mount accessories offered.
- UL listed for wet locations
- IP66 listed
- 5-Year, limited warranty

Field-adjustable area light with adjustable optics



## PERFORMANCE

AL22-150, Type III	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	150W			100W			80W		
Input Watts	149.3W	145.7W	152.2W	100.1W	97.5W	99.8W	80.8W	79.2W	80.8W
Lumens	21,340	22375	22177	15562	16111	15949	13027	13392	13334
Efficacy	142.9	153.6	145.8	153.4	162.0	156.7	157.5	165.3	161.1
CRI	83	85	84	84	85	84	84	85	84
Voltage Ratings	120-277V								

AL22-150, Type III	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	150W			100W			80W		
Input Watts	148.0W	140.1W	144.5W	103.6W	100.7W	103.2W	86.5W	84.7W	86.8W
Lumens	21,706	22,281	21,853	15,881	16,444	16,210	12,800	13,142	13,094
Efficacy	146.6	159.0	151.2	156.4	164.9	159.4	160.4	168.1	163.8
CRI	83	85	84	84	85	84	85	85	84
Voltage Ratings	480V								

# AL22 Field-Adjustable Area Light w/Adjustable Optics



## PERFORMANCE

AL22-150, Type IV	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	150W			100W			80W		
Input Watts	142.4W	141.1W	145.0W	96.9W	95.1W	96.8W	78.6W	77.4W	78.3W
Lumens	21,746	22951	22913	16025	16316	16315	13159	13523	13542
Efficacy	152.7	162.7	158.0	160.9	168.2	165.2	163.1	170.2	167.8
CRI	83	85	84	84	86	84	84	86	84
Voltage Ratings	120-277V								

AL22-150, Type IV	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	150W			100W			80W		
Input Watts	141.5W	135.7W	138.9W	100.1W	98.4W	100.0W	84.1W	82.8W	84.5W
Lumens	22,169	22,855	22,721	16,184	16,637	16,646	12,895	13,206	13,256
Efficacy	156.6	168.4	163.5	163.4	171.0	167.9	166.0	172.4	170.3
CRI	83	86	84	84	86	84	84	86	84
Voltage Ratings	480V								

AL22-150, Type V	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	150W			100W			80W		
Input Watts	148.1W	141.2W	150.7W	99.9W	97.4W	99.7W	80.7W	79.2W	80.6W
Lumens	20,527	21,553	21,374	15,274	15,731	15,536	12,720	13,069	12,982
Efficacy	138.6	152.7	141.9	149.5	158.2	152.7	153.6	161.1	156.8
CRI	83	85	84	84	85	84	85	85	84
Voltage Ratings	120-277V								

AL22-150, Type V	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	150W			100W			80W		
Input Watts	147.5W	139.8W	144.4W	103.5W	100.5W	103W	86.4W	84.5W	86.7W
Lumens	21,061	21,739	21,287	15,488	16,045	15,800	12,479	12,813	12,746
Efficacy	142.8	155.5	147.4	152.4	161.0	155.5	156.4	163.9	159.8
CRI	83	85	84	84	85	84	84	85	84
Voltage Ratings	480V								

AL22-300, Type III	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	300W			240W			200W		
Input Watts	306.4W	293.06W	292.0W	243.91W	235.76W	242.7W	204.1W	196.61W	201.71W
Lumens	44,085	45,890	44,721	36,667	38,295	37,767	31,928	32,809	32,521
Efficacy	144.1	156.6	148.0	149.9	162.0	155.2	156.0	166.4	160.8
CRI	83	85	84	84	85	84	84	85	85
Voltage Ratings	120-277V								

# AL22 Field-Adjustable Area Light w/Adjustable Optics



## PERFORMANCE

AL22-300, Type III	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	300W			240W			200W		
Input Watts	301.4W	287.2W	298.0W	244.9W	236.0W	242.9W	202.6W	196.4W	201.7W
Lumens	43,722	46,280	46,379	37,469	39,129	38,710	32,367	33,482	33,142
Efficacy	145.1	161.2	155.6	153.1	165.6	159.1	158.9	176.8	164.5
CRI	83	85	84	84	85	84	84	85	84
Voltage Ratings	480V								

AL22-300, Type IV	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	300W			240W			200W		
Input Watts	290.7W	291.2W	291.0W	234.6W	228.8W	233.8W	195.5W	191.3W	194.9W
Lumens	45,855	47,341	46,928	37,891	39,282	39,127	32,329	33,461	33,362
Efficacy	157.7	167.9	162.2	161.0	171.2	166.8	164.8	174.4	170.6
CRI	83	85	84	84	85	84	84	86	85
Voltage Ratings	120-277V								

AL22-300, Type IV	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	300W			240W			200W		
Input Watts	286.0W	277.2W	284.3W	245.0W	228.4W	233.4W	195.2W	191.0W	194.7W
Lumens	45,528	47,198	46,896	38,535	40,102	40,068	32,933	33,968	34,022
Efficacy	159.2	170.3	164.9	163.8	175.1	171.0	167.8	176.8	173.6
CRI	83	86	84	84	85	84	84	86	84
Voltage Ratings	480V								

AL22-300, Type V	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	300W			240W			200W		
Input Watts	300.9W	292.3W	293.7W	243.9W	235.8W	242.7W	202.3W	196.5W	201.6W
Lumens	42,379	49,904	43,943	36,058	37,599	37,070	31,048	32,176	31,878
Efficacy	140.9	154.0	145.7	147.3	158.9	152.2	152.9	163.1	157.5
CRI	83	85	84	84	85	84	84	86	84
Voltage Ratings	120-277V								

AL22-300, Type V	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	300W			240W			200W		
Input Watts	299.7W	286.8W	297.1W	244.6W	235.8W	242.7W	202.6W	196.4W	201.6W
Lumens	43,288	44,789	44,046	36,265	37,927	37,495	31,289	32,409	32,382
Efficacy	144.5	156.2	148.2	148.5	160.7	154.5	153.9	164.4	160.0
CRI	83	85	84	84	85	84	84	86	84
Voltage Ratings	480V								

## TECHNICAL SPECIFICATIONS

## COMPLIANCE

**UL Listed**

Suitable for wet locations

**IP Listing**

Ingress protection rating of IP66 for dust and water

**DLC Listed**

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

MODEL#	DLC ID
Application: Architectural Flood & Spot	
AL22-150	S-H9Z27G
AL22-150/480	S-LTWKTM
AL22-300	S-4L21YQ
AL22-300/480	S-VGDW5W
Application: Outdoor Pole/Arm-Mounted	
AL22-150	S-G2D0YZ
AL22-150/480	S-PW3G3C
AL22-300	S-T3L8S3
AL22-300/480	S-9882ZY

## CONSTRUCTION

**Cold Weather Starting**

Minimum starting temperature is -40°F (-40°C)

**Maximum Ambient Temperature**

Suitable for use in up to 122°F (50°C)

**Housing**

Die-cast aluminum

**Mounting**

Universal adjustable pole mount (standard). Universal non-adjustable pole mount, Slipfitter and wall mount accessory available.

**Lens**

Clear Polycarbonate

**Gasket**

High-temperature silicone

**Sensor Port**

Yes, for use with compatible occupancy sensors, see Accessories section.

**IES Classifications**

Type III - Ideal for roadway, general parking, and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

Type IV - Also known as "forward throw", it is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semicircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

Type V - Produces a wide and uniform 360° pattern that is perfect for large outdoor areas such as parking lots and pathways.

**BUG rating**

AL22-150: B3-U0-G3

AL22-300: B4-U0-G4

**Green Technology**

Mercury and UV free. RoHS-compliant components.

**Finish**

Formulated for high durability and long lasting color. Available in bronze,

## EFFECTIVE PROJECTED AREA (EPA)

**AL22-150**

1 fixture: 0.55ft<sup>2</sup>  
 2 fixtures at 90°: 0.75ft<sup>2</sup>  
 2 fixtures at 180°: 1.09ft<sup>2</sup>  
 3 fixtures at 90°: 1.3ft<sup>2</sup>  
 4 fixtures at 90°: 1.3ft<sup>2n</sup>

**AL22-300**

1 fixture: 0.87ft<sup>2</sup>  
 2 fixtures at 90°: 1.26ft<sup>2</sup>  
 2 fixtures at 180°: 1.75ft<sup>2</sup>  
 3 fixtures at 90°: 2.13ft<sup>2</sup>  
 4 fixtures at 90°: 2.13ft<sup>2n</sup>

## LED CHARACTERISTICS

**LEDs**

Long-life, high-efficacy, surface-mount LEDs

**Color Uniformity**

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standards for Specifications for the Chromaticity of Solid State Lighting (SLL) Products, ANSI C78.377-2017.

## ELECTRICAL

**Drivers:****AL22-150**

Constant Current, Class 1, 120-277V, 50/60 Hz

**150W:** 120V: 1.30A, 208V: 0.80A, 240V: 0.70, 277V: 0.60A

**100W:** 120V: 0.90A, 208V: 0.50A, 240V: 0.45, 277V: 0.40A

**80W:** 120V: 0.70A, 208V: 0.40A, 240V: 0.35A, 277V: 0.30A

Constant Current, Class 1, 480V, 50/60 Hz

**150W:** 480V: 0.35A

**100W:** 480V: 0.25A

**80W:** 480V: 0.20A

**AL22-300**

Constant Current, Class 1, 120-277V, 50/60 Hz

**300W:** 120V: 2.60A, 208V: 1.60A, 240V: 1.40, 277V: 1.20A

**240W:** 120V: 2.00A, 208V: 1.20A, 240V: 1.00, 277V: 0.90A

**200W:** 120V: 1.80A, 208V: 1.00A, 240V: 0.90A, 277V: 0.80A

Constant Current, Class 1, 480V, 50/60 Hz

**300W:** 480V: 0.70A

**240W:** 480V: 0.55A

**200W:** 480V: 0.45A

**Dimming Driver:**

Driver includes dimming control wiring for 0-10V dimming systems.

Requires separate 0-10V DC dimming circuit. Dims down to 10%.

*Note: 0-10V dimming circuit is not required when using models with Lightcloud Blue. Learn more at [rablighting.com/feature/new-lightcloud-blue](http://rablighting.com/feature/new-lightcloud-blue)*

**THD:****AL22-150**

**150W:** 5.5% at 120V, 12.4% at 277V

**100W:** 6.7% at 120V, 15.0% at 277V

**80W:** 5.7% at 120V, 18.1% at 277V

**AL22-300**

**300W:** 9.0% at 120V, 12.5% at 277V

**240W:** 11.5% at 120V, 16.3% at 277V

**200W:** 15.4% at 120V, 18.1% at 277V

**AL22-150 @480V**

**150W:** 13.3% at 480V

**100W:** 18.7% at 480V

**80W:** 20.3% at 480V

# AL22 Field-Adjustable Area Light w/Adjustable Optics



## TECHNICAL SPECIFICATIONS (CONTINUED)

### ELECTRICAL (CONTINUED)

#### AL22-300 @480V

300W: 12.6% at 480V

240W: 16.4% at 480V

200W: 20.0% at 480V

#### Power Factor:

##### AL22-150

150W: 99.8% at 120V, 96.1% at 277V

100W: 99.8% at 120V, 92.4% at 277V

80W: 99.8% at 120V, 89.0% at 277V

##### AL22-300

300W: 99.3% at 120V, 94.8% at 277V

240W: 99.0% at 120V, 92.9% at 277V

200W: 98.4% at 120V, 90.8% at 277V

##### AL22-150 @480V

150W: 95.5% at 480V

100W: 91.1% at 480V

80W: 89.8% at 480V

##### AL22-300 @480V

300W: 96.4% at 480V

240W: 95.4% at 480V

200W: 92.9% at 480V

#### Surge Protection:

6kV

### FACTORY SETTINGS

#### Adjustable Wattages:

AL22-150 (150/100/80W) 150W default

AL22-300 (300/240/200W) 300W default

Selectable CCT: 3000/4000/5000K, 4000K default.

### OTHER

#### Warranty

The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

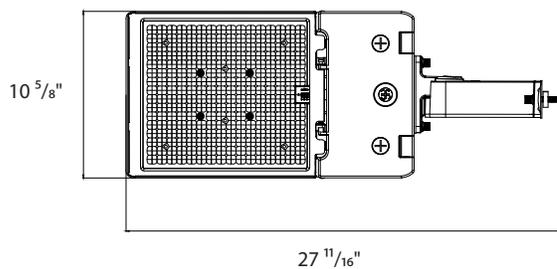
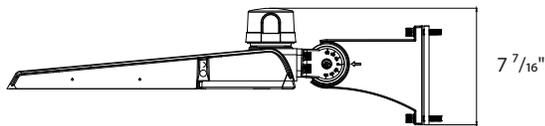
#### Lifespan

100,000-hour LED lifespan based on IES LM-80 results and -21 calculations

## DIMENSIONS

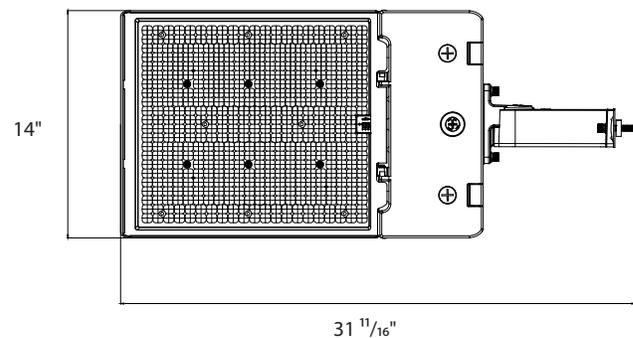
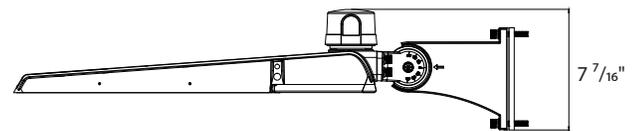
### AL22-150

Weight: 11 lbs



### AL22-300

Weight: 16 lbs



# AL22 Field-Adjustable Area Light w/Adjustable Optics



## ACCESSORIES

IMAGE	SKU#	UPC	DESCRIPTION
	A17-SF-KIT-S-M	192552035262	AREA LIGHT UP TO 300W SLIPFITTER KIT BRONZE
	A17-SF-KIT-S-M/W	192552039604	AREA LIGHT UP TO 300W SLIPFITTER KIT WHITE
	A17-WM	192552004466	AREA LIGHT WALL MOUNT KIT BRONZE
	A17-WM/W	192552003605	AREA LIGHT WALL MOUNT KIT WHITE
	A17-UNV-KIT	192552003025	AREA LIGHT UNIVERSAL POLE ARM KIT BRONZE
	LCTWIST/K	019813832111	LC TWISTLOCK PHOTOCELL - BLACK 120/277V IP 66
	MVS50	192552025997	MVS SENSOR MAX 15M HEIGHT IP65 WHITE
	MVS50/LCB	192552014168	LC BLUE CONTROLLER WITH INTEGRATED MVS SENSOR WHITE
	MVS50B	192552042314	MVS SENSOR MAX 15M HEIGHT IP65 BLACK
	MVS50B/LCB	192552036924	LC BLUE CONTROLLER WITH INTEGRATED MVS SENSOR BLACK
	PIR40	192552026000	PIR SENSOR MAX 12M HEIGHT IP66 WHITE
	PIR40/LCB	192552014151	LC BLUE CONTROLLER WITH INTEGRATED PIR SENSOR WHITE
	PIR40B	192552042307	PIR SENSOR MAX 12M HEIGHT IP66 BLACK
	PIR40B/LCB	192552036917	LC BLUE CONTROLLER WITH INTEGRATED PIR SENSOR BLACK
	MSR1	192552026055	MULTI SENSOR REMOTE

## ORDERING MATRIX

### AL22

Family	Distribution	Wattage	Mounting	Color Temperature	Finish	Driver	Sensor	
AL22	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
BLANK	T3/T4/T5 Optics Adjustable	150 300	150/100/80W 300/240/200W	BLANK Universal Adjustable Pole Mount	BLANK 3000/4000/5000K CCT Adjustable	BLANK W Bronze White	BLANK 120-277V, 0-10V Dimming /480 480V, 0-10V Dimming	BLANK 7-Pin Receptacle with Shorting Cap + 3-Pin Twistlock Photocell