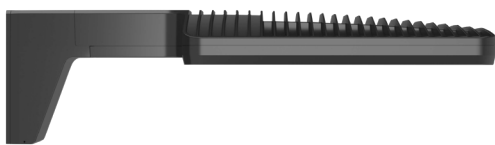


# ALED Power-Selectable Area Lights (Amber Wavelength) **RAB**

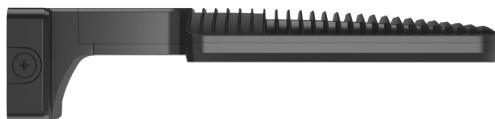
Universal Pole Mount



Slipfitter Mount



Wall Mount



## ALED Arealights with Selectable Power (Amber Wavelength)



0-10V



100,000  
HOURS



WET  
RATED



IP RATING



FIELD  
ADJUSTABLE

## TECHNICAL SPECIFICATIONS

### CONSTRUCTION

#### Cold Weather Starting

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

#### Maximum Ambient Temperature

Middle Power Temp Rating: 40°C (104°F)

Low Power Temp Rating: 53°C (127°F)

#### Wavelength

585-595 nm

#### Housing

Die-cast aluminum

#### Mounting

Pole Universal Pole Mount, Slipfitter or Wall Mount

#### Tilt increment:

Slipfitter: 5°

#### Lens

Polycarbonate lens

#### Gasket

High-temperature silicone gasket

#### Reflector

Aluminum reflector with white polycarbonate

#### Green Technology

Mercury and UV free. RoHs-compliant components.

#### Finish

Formulated for high durability and long lasting color.

#### IES Classifications

Type II - Ideal for wide walkways, on ramps and entrance roadways, bike paths, and other long/narrow applications. This type is meant for lighting larger areas is usually located near the roadside.

PROJECT:

DATE:

TYPE:

PREPARED BY:



### KEY FEATURES

- \* Available in two different sizes with Selectable wattages:  
SMALL: **50/35W** and MEDIUM: **90/78W**
- \* **Wildlife-friendly** amber light (585-595 nm)
- \* Distribution **Type III** and **Type V** available. **Type II**, **Type IV** and **AT** are special order options
- \* Voltage rating: **120-277V. 480V** available as a special order option for medium fixtures only.
- \* **Universal Pole**, **Slipfitter** and **Wall Mount** available on all models
- \* Available in **bronze** finish. **White** and **Black** are special order options.
- \* **UL listed for wet location**
- \* **IP66** listed
- \* **0-10V** dimmable

### CONSTRUCTION (CONTINUED)

#### IES Classifications (Continued)

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.

Auto Dealership - Car Dealership optics have a wide distribution with an intentional hot spot that helps to deliver eye-catching light to the front row of

### COMPLIANCE

#### UL Listed

Suitable for wet locations

#### IP Listing

Ingress protection rating of IP66 for dust and water

### LED CHARACTERISTICS

#### LEDs

Long-life, high-efficacy with amber wavelength, discrete, surface-mount LEDs

# ALED Power-Selectable Area Lights (Amber Wavelength) **RAB**

## TECHNICAL SPECIFICATIONS (CONTINUED)

### ELECTRICAL

#### Drivers: 120-277V

#### ALED (Small)

Constant Current, Class 2, 120-277V, 50/60 Hz

**35W:** 120V: 0.34A, 208V: 0.20A, 240V: 0.17, 277V: 0.15A

**50W:** 120V: 0.50A, 208V: 0.30A, 240V: 0.25, 277V: 0.22A

#### ALEDM (Medium)

Constant Current, Class 2, 120-277V, 50/60 Hz

**78W:** 120V: 0.65A, 208V: 0.38A, 240V: 0.33A, 277V: 0.29A

**90W:** 120V: 0.75A, 208V: 0.44A, 240V: 0.38A, 277V: 0.33A

#### Surge Protection

Line to Line: 10kV

Line to Ground: 6kV

#### Dimming Driver

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

### PERFORMANCE

#### Lifespan

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

### OTHER

#### Warranty

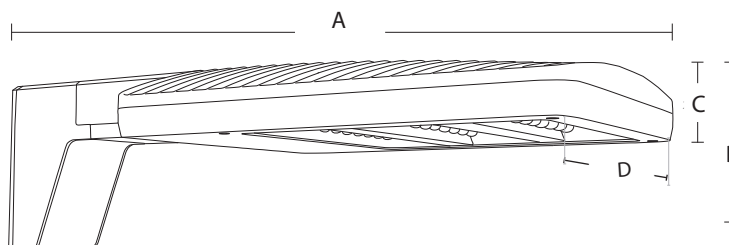
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of ten (10) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

#### Buy American Act Compliance:

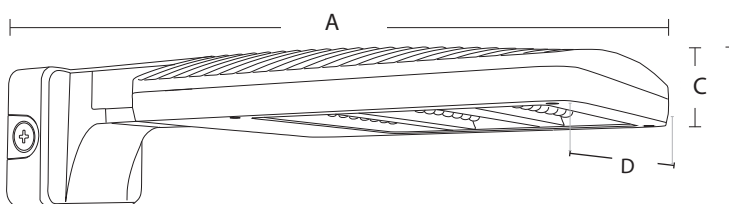
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the BUY American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

## DIMENSIONS

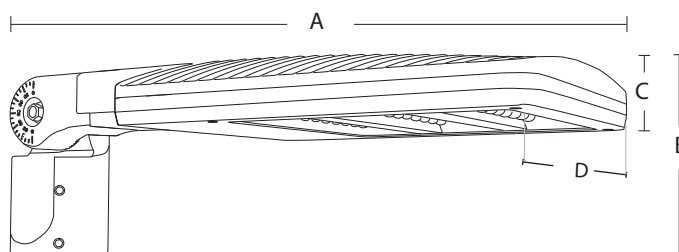
ALED	UNIVERSAL POLE MOUNT				
Fixture Size	A	B	C	D	Weight
SMALL	21 1/16"	5 3/4"	2 3/8"	10 9/16"	13.2 lbs
MEDIUM	23"	5 3/4"	2 3/8"	10 9/16"	16.5 lbs



ALED	WALL MOUNT				
Fixture Size	A	B	C	D	Weight
SMALL	21 11/16"	5"	2 3/8"	17 1/14"	13.2 lbs
MEDIUM	23 1/2"	5"	2 3/8"	17 1/14"	16.5 lbs



ALED	SLIPFITTER MOUNT				
Fixture Size	A	B	C	D	Weight
SMALL	22 11/16"	6 7/8"	2 3/8"	12 1/2"	14.7 lbs
MEDIUM	24 1/2"	6 7/8"	2 3/8"	12 1/2"	17.8 lbs



# ALED Power-Selectable Area Lights (Amber Wavelength) **RAB**

## PERFORMANCE

ALED TYPE II	AMBER	AMBER
Watts	50W	35W
Input Watt	46.8	31.7
Lumens	2,801	2,334
Lm/W	59.9	73.6
Voltage Ratings	120-277V	

ALED TYPE III	AMBER	AMBER
Watts	50W	35W
Input Watt	46.8	31.6
Lumens	2,733	2,310
Lm/W	58.4	73.1
Voltage Ratings	120-277V	

ALED TYPE IV	AMBER	AMBER
Watts	50W	35W
Input Watt	46.6	31.5
Lumens	2,835	2,330
Lm/W	60.8	74.0
Voltage Ratings	120-277V	

ALED TYPE V	AMBER	AMBER
Watts	50W	35W
Input Watt	48.5	33.0
Lumens	2,894	2,348
Lm/W	59.7	71.2
Voltage Ratings	120-277V	

ALED TYPE AT	AMBER	AMBER
Watts	50W	35W
Input Watt	46.7	31.6
Lumens	2,586	2,229
Lm/W	55.4	70.5
Voltage Ratings	120-277V	

ALEDM TYPE II	AMBER	AMBER
Watts	90W	78W
Input Watt	88.0	77.8
Lumens	4,235	4,117
Lm/W	48.1	52.9
Voltage Ratings	120-277V	

ALEDM TYPE III	AMBER	AMBER
Watts	90W	78W
Input Watt	87.9	77.6
Lumens	4,334	4,253
Lm/W	49.3	54.8
Voltage Ratings	120-277V	

ALEDM TYPE IV	AMBER	AMBER
Watts	90W	78W
Input Watt	87.2	77.0
Lumens	4,631	4,529
Lm/W	53.1	58.8
Voltage Ratings	120-277V	

ALEDM TYPE V	AMBER	AMBER
Watts	90W	78W
Input Watt	86.0	75.8
Lumens	4,810	4,725
Lm/W	55.9	62.3
Voltage Ratings	120-277V	

ALEDM TYPE AT	AMBER	AMBER
Watts	90W	78W
Input Watt	88.1	77.7
Lumens	4,444	4,323
Lm/W	50.4	55.6
Voltage Ratings	120-277V	

ALEDM TYPE II	AMBER	AMBER
Watts	90W	78W
Input Watt	90.5	79.1
Lumens	4,392	4,347
Lm/W	48.5	55.0
Voltage Ratings	480V	

ALEDM TYPE III	AMBER	AMBER
Watts	90W	78W
Input Watt	90.6	79.2
Lumens	4,688	4,640
Lm/W	51.7	58.6
Voltage Ratings	480V	

ALEDM TYPE IV	AMBER	AMBER
Watts	90W	78W
Input Watt	89.8	78.5
Lumens	4,845	4,795
Lm/W	54.0	61.1
Voltage Ratings	480V	

ALEDM TYPE V	AMBER	AMBER
Watts	90W	78W
Input Watt	88.6	77.4
Lumens	5,203	5,155
Lm/W	58.7	66.6
Voltage Ratings	480V	

ALEDM TYPE AT	AMBER	AMBER
Watts	90W	78W
Input Watt	90.6	79.2
Lumens	4,571	4,524
Lm/W	50.5	57.1
Voltage Ratings	480V	

# ALED Power-Selectable Area Lights (Amber Wavelength) **RAB**

## PERFORMANCE

ALED SHS TYPE II	AMBER	AMBER
Watts	50W	35W
Input Watt	46.6	31.6
Lumens	1,750	1,460
Lm/W	37.6	46.2
Voltage Ratings	120-277V	

ALED SHS TYPE III	AMBER	AMBER
Watts	50W	35W
Input Watt	46.9	31.6
Lumens	1,735	1,491
Lm/W	37.0	47.2
Voltage Ratings	120-277V	

ALED SHS TYPE IV	AMBER	AMBER
Watts	50W	35W
Input Watt	46.4	31.4
Lumens	2,003	1,671
Lm/W	43.2	53.2
Voltage Ratings	120-277V	

ALED SHS TYPE V	AMBER	AMBER
Watts	50W	35W
Input Watt	49.1	32.9
Lumens	1,082	913
Lm/W	22.0	27.8
Voltage Ratings	120-277V	

ALED SHS TYPE AT	AMBER	AMBER
Watts	50W	35W
Input Watt	46.6	31.5
Lumens	1,808	1,540
Lm/W	38.8	48.9
Voltage Ratings	120-277V	

ALED MHS TYPE II	AMBER	AMBER
Watts	90W	78W
Input Watt	88.0	77.8
Lumens	2,927	2,845
Lm/W	33.3	36.6
Voltage Ratings	120-277V	

ALED MHS TYPE III	AMBER	AMBER
Watts	90W	78W
Input Watt	87.9	78.0
Lumens	3,171	3,112
Lm/W	36.1	39.9
Voltage Ratings	120-277V	

ALED MHS TYPE IV	AMBER	AMBER
Watts	90W	78W
Input Watt	87.3	77.1
Lumens	3,684	3,603
Lm/W	42.2	46.7
Voltage Ratings	120-277V	

ALED MHS TYPE V	AMBER	AMBER
Watts	90W	78W
Input Watt	86.0	75.7
Lumens	2,646	2,566
Lm/W	30.8	33.9
Voltage Ratings	120-277V	

ALED MHS TYPE AT	AMBER	AMBER
Watts	90W	78W
Input Watt	88.1	77.8
Lumens	3,276	3,187
Lm/W	37.2	41.0
Voltage Ratings	120-277V	

ALED MHS TYPE II	AMBER	AMBER
Watts	90W	78W
Input Watt	90.5	79.2
Lumens	2,961	2,902
Lm/W	32.7	36.6
Voltage Ratings	480V	

ALED MHS TYPE III	AMBER	AMBER
Watts	90W	78W
Input Watt	90.5	79.2
Lumens	3,327	3,261
Lm/W	36.8	41.2
Voltage Ratings	480V	



ALED MHS TYPE IV	AMBER	AMBER
Watts	90W	78W
Input Watt	89.8	78.6
Lumens	3,744	3,670
Lm/W	41.7	46.7
Voltage Ratings	480V	

ALED MHS TYPE V	AMBER	AMBER
Watts	90W	78W
Input Watt	88.5	76.9
Lumens	2,776	2,689
Lm/W	31.4	35.0
Voltage Ratings	480V	

ALED MHS TYPE AT	AMBER	AMBER
Watts	90W	78W
Input Watt	90.7	79.4
Lumens	3,392	3,325
Lm/W	37.4	41.9
Voltage Ratings	480V	

# ALED Power-Selectable Area Lights (Amber Wavelength) **RAB®**

## ACCESSORIES

IMAGE	SKU#	UPC	DESCRIPTION	DIMENSIONS (LXWXH)
	ALED SHS	192552028714	ALED SHS HOUSE SIDE SHIELD WITH 4 SCREWS	10 3/8" X 10 1/4" X 6"
	ALED MHS	192552028721	ALED MHS HOUSE SIDE SHIELD WITH 4 SCREWS	12 3/16" X 12 1/4" X 6"

## ORDERING MATRIX

### ALED

Family	Housing Size	Distribution	Mounting	Wavelength	Finish	Voltage*	Options						
ALED				YA									
S	Small - 50/35W Adjustable	2T *	Type II	BLANK	Universal	YA	Amber	BLANK	Bronze	BLANK	120-277V	BLANK	No Option
M	Medium - 90/78W Adjustable	3T	Type III		Pole Mount		(585-595 nm)	W *	White	/480 <sup>1</sup>	480V	/7PR *	7-Pin Receptacle
		4T *	Type IV	SF	Slipfitter			B *	Black				
		5T	Type V	WM	Wall Mount								
		AT *	Auto Dealership Optic										

\* Available as a special order item

<sup>1</sup> 480V available only on Medium fixtures, as a special order item