

# ALED Field-Adjustable Area Light



## ALEDXXS



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

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

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

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

## ALEDXS



### KEY FEATURES

- Selectable wattages:  
ALEDXXS: 13/10/6W ALEDXS: 32/24/16W
- Selectable CCT: 3000/4000/5000K
- Selectable on/off photocell
- Voltage ratings: 120-277V
- Suitable for wet locations for downlight application
- 5-Year, no-compromise warranty

Area Light with selectable CCT and wattage w/photocell



### PERFORMANCE

ALEDXXS	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
WATTAGE	13W			10W			6W		
INPUT WATTS	12.1W	11.6W	12W	8.8W	8.6W	8.8W	6.1W	6W	6.1W
LUMENS	1,634	1,720	1,693	1,213	1,275	1,268	833	865	868
EFFICACY	135.5	148.3	141.0	137.2	148.3	143.4	135.9	144.6	142.3
CRI	82	84	87	82	84	83	83	85	83
VOLTAGE RATING	120/277V								

ALEDXS	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
WATTAGE	32W			24W			16W		
INPUT WATTS	31.2W	29.6W	31.2W	23W	22W	22.7W	15.2W	14.8W	15.2W
LUMENS	3,862	4,151	4,009	2,962	3,267	3,068	2,020	2,144	2,118
EFFICACY	123.8	140.2	128.5	128.8	148.5	135.2	132.9	144.9	139.3
CRI	82	84	82	82	84	82	83	84	82
VOLTAGE RATING	120/277V								

### TECHNICAL SPECIFICATIONS

#### COMPLIANCE

UL Listed:

Suitable for wet locations (downlight application only)

#### FIELD ADJUSTABLE

Color temperature: Selectable by 3000/4000/5000K (4000K default)

Selectable wattages: ALEDXXS:13/10/6W (10W default) & ALEDXS: 32/24/16W (24W default)

On/Off Photocell: Factory default- Off

## TECHNICAL SPECIFICATIONS

### CONSTRUCTION

#### Cold Weather Starting

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

#### Maximum Ambient Temperature

Suitable for use in up to 40°C (104°F)

#### Mounting

Integrated junction box with pole mount bracket included

#### Housing Material

Aluminum

#### EPA (Effective Projected Area)

ALEDXXS & ALEDXS: 0.1

#### Finish

Formulated for high durability and long lasting color

#### Lens

Acrylic

#### Reflector

High Reflection Polycarbonate

#### Green Technology

Mercury and UV free. RoHs-compliant components.

### 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.

#### IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

### ELECTRICAL

#### Drivers:

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

#### ALESXXS:

13W: 120V: 0.05A, 208V: 0.03A, 240V: 0.03A, 277V: 0.03A

10W: 120V: 0.07A, 208V: 0.05A, 240V: 0.04A, 277V: 0.04A

6W: 120V: 0.10A, 208V: 0.07A, 240V: 0.06A, 277V: 0.05A

#### ALEDXS:

32W: 120V: 0.13A, 208V: 0.08A, 240V: 0.07, 277V: 0.06A

24W: 120V: 0.19A, 208V: 0.12A, 240V: 0.10A, 277V: 0.09A

16W: 120V: 0.26A, 208V: 0.16A, 240V: 0.14A, 277V: 0.12A

#### THD:

ALEDXXS: 4.0% at 120V, 14.8% at 277V

ALEDXS: 6.6% at 120V, 11.2% at 277V

#### Power Factor:

ALEDXXS: 99.5% at 120V, 92.1% at 277V

ALEDXS: 99.5% at 120V, 92.3% at 277V

#### Dimming Driver:

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

#### Surge Protection

L-L 2kV, L-G 4kV

### ELECTRICAL

#### THD/Power Factor

MODEL#	THD	PF	THD	PF
	120V		277V	
ALEDXXS 13W	3.7%	99.7%	14.1%	96.0%
ALEDXXS 10W	4.1%	99.5%	14.8%	93.0%
ALEDXXS 6W	5.8%	98.9%	20.8%	84.0%
ALEDXS 32W	8.0%	99.5%	6.5%	96.2%
ALEDXS 24W	6.3%	99.5%	10.9%	92.9%
ALEDXS 16W	7.7%	99.0%	16.1%	87.0%

### LIGHTCLOUD

#### Lightcloud Blue enabled Microwave Occupancy Sensor:

Lightcloud Blue is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.

DLC system - N1XMLOEATBA

Learn more at [www.lightcloud.com](http://www.lightcloud.com)

Gateway Required: No

Communication Protocol: Bluetooth Mesh

Range: Indoor: Up to 60 feet between standard building materials. Building materials such as brick, concrete, and steel construction may require additional Lightcloud Blue devices to extend around an obstruction; Up to 200 feet clear line of sight.

Outdoor: Up to 60 feet clear line of sight; Up to 18 feet around corners

Spacing Criteria: Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.

Factory Reset:

Method 1: Delete from App

Open the app and access the device settings for the paired device. Be sure that the device is online and select 'Delete'. The device will flash on/off 5 times and return to full brightness.

Method 2: Manual

Power the device off and on 5x consecutively. Do not allow less than 4s to elapse from switching off to on. Do not allow more than 2s to elapse from switching on to off. The device will flash 3x, then reset to 100% brightness at default CCT.

Method 3: Rapid Reset Tool

The Rapid Reset process must be done by a professional electrician qualified by RAB. Reach out to your RAB sales manager to request a Rapid Reset Tool. The tool simply needs to be placed directly on the small Lightcloud Blue logo on the device for 2s or until the lamp/luminaire flashes 3x, then resets to 100% brightness at the default CCT.

Sensor Connection Type: Pogo pin

Max Mounting Height: 50 ft.

Detection Range: 50 ft. diameter mounted at 50 ft.

Sensor Technology: Microwave (MVS)

## TECHNICAL SPECIFICATIONS (CONTINUED)

### LIGHTCLOUD

Default Setting:  
 Uncommissioned State:  
 Motion Sensitivity: High  
 Brightness when triggered : 100%  
 Hold time: 20 minute  
 Standby to dim: 20%  
 Standby time: 1 minute  
 When vacant: Off

Commissioned State: Once paired, the sensor will default to disabled. Once enabled the following settings apply:  
 Motion Sensitivity: High  
 Brightness when triggered: Last on status  
 Hold time: 20 minute  
 Standby to dim: 20%  
 Standby time: 1 minute  
 When vacant: Off

Adjustable Sensor Settings?: Yes, using the Lightcloud Blue mobile app  
 Sensing Type: Occupancy or Vacancy (option to disable or set as an independent sensor)

### LIGHTCLOUD

Occupied Actions: On or On at a Dim Level  
 Vacant Actions: Off or On at a Dim Level  
 Occupancy Timeout: 1 minute to 240 minutes  
 Daylight Sensing: The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set in the Lightcloud Blue mobile app. Dim levels will continuously adjust to meet daylight threshold setting.  
 Daylight Threshold: 150 lux to 1500 lux

### OTHER

#### Warranty

The RAB 5-year, no-compromise warranty covers light output, color stability, driver performance, paint finish and labor. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

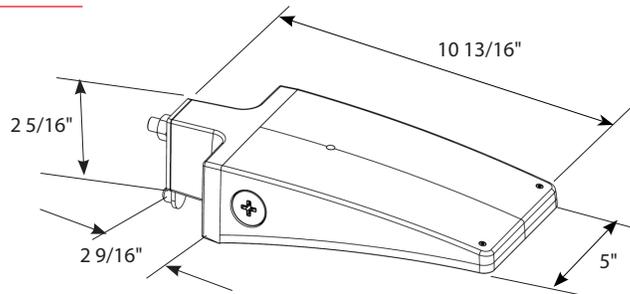
#### Lifespan

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

## DIMENSIONS

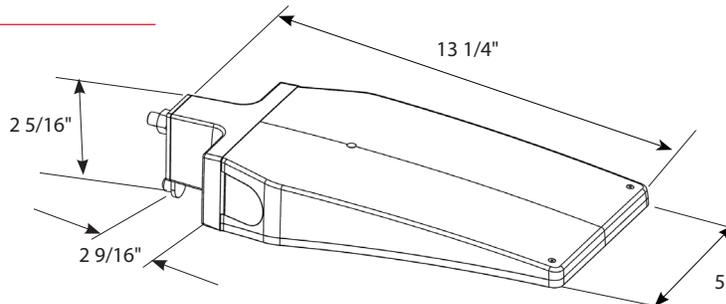
### ALEDXXS

Weight 2.64 lbs



### ALEDXS

Weight 3.90 lbs



## ORDERING MATRIX

### ALED

Family	Wattage	Color Temperature	Finish	Driver	Options
ALED					
XXS	13/10/6W Selectable	BLAN K 3000/4000/5000K Selectable CCT	BLANK Bronze W White	BLANK 120-277V, 0-10V Dimming	BLACK /LCBS/MVS * Integrated Photocell Lightcloud Blue w/Microwave Occupancy Sensor
XS	32/24/16W Selectable				

\* Only available on XS model