

# AE21-LED-KIT

21" ERA™ ACORN PICOEMITTER™ LED UPGRADE KIT

**Type:**  
**Job:**  
**Catalog number:**

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
 LED Kit                      Electrical Module                      Option

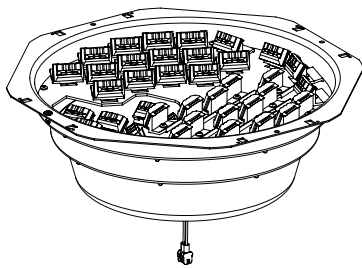


## Approvals:

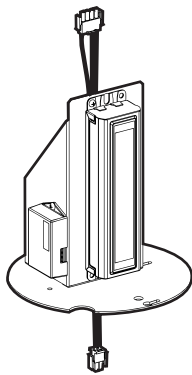
## Specifications

### AE21-LED-KIT

120 Light Emitting Diodes  
 Total System Watts = 126W  
 Maximum Weight = 50 lbs.  
 when installed in Era Acorn LED



LED EmitterDeck®



Electrical Module

**Electronic Module:** All electrical components are UL recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Module includes a driver, LifeShield® temperature control device and surge protector. Electrical module attaches to housing with no-tool hinges and latches, accessible by opening the lens frame only. Driver is rated for -40°F starting and has a 0-10V dimming interface for multi-level illumination options.

**Optical Module:** Precision, replaceable PicoEmitters are positioned to achieve directional control toward desired task. The entire EmitterDeck® fastens to the housing as a one-piece module.

**Listed To:** UL 1598 Standard for Luminaires - UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products and CSA C22.2#250.0 Luminaires.

**NOTE:** Existing product conditions are taken as the base point. Participation rules apply. See complete warranty provisions for further details.

**IMPORTANT:** Disable all power to the luminaire before conducting any maintenance or upgrade activity. Failure to do so will create a hazardous working environment.

**CAUTION:** Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

### Suggested Tools:

- Flat Blade Screw Driver

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

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**Standard Features**

**Fixture**

Cat. No. designates fixture and distribution

AE21-LED-KIT

**Upgrade Kit:**  
AE21-LED-KIT

x

**Distribution:**

I 1 = Type I      I 4 = Type IV  
I 2 = Type II     I 5 = Type V  
I 3 = Type III

I R = Type R Right   I L = Type L Left

E35

E35 = 350mA

**Light Distribution:**



TYPE II



TYPE III



TYPE IV



TYPE V



**Electrical Module**

Cat. Nos. for Electrical Modules available:

120L

**Source:**  
120L = 120 LED's

xK

**Color Temperature:**  
I 3K = 3000K  
I 4K = 4200K  
I 5K = 5100K  
I 2K = 580nm - Amber

x

**Voltage:**  
I 120 = 120V  
I 208 = 208V  
I 240 = 240V  
I 277 = 277V  
I 347 = 347V  
I 480 = 480V

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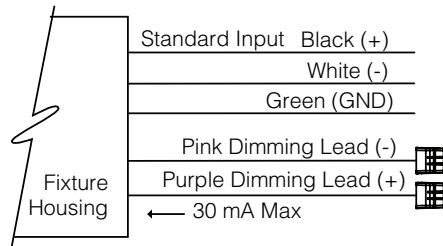
Job:



## Standard Features

### 0-10V Dimming Interface

Driver has a 0-10V dimming interface with a dimming range of 10-100%. Is compatible with most control systems including Hubbell Building Automation wiHUBB™. Approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV. Note: Not compatible with current sourcing dimmers. Controls compatible via Gray and Purple dimming lead.



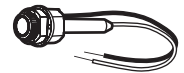
## Optional Feature

### Fusing

Cat. No. **(See right)**  
**| No Option**

High temperature fuse holders factory installed inside the fixture housing.

Line Volts:	120V	208V	240V	277V	347V	480V
Cat. No.:	<b>  SF</b>	<b>  DF</b>	<b>  DF</b>	<b>  SF</b>	<b>  SF</b>	<b>  DF</b>



Single Fuse

### Neighbor Friendly Optic:

Cat. No. **NFO**  
**No Option**

Integrated Neighbor Friendly Optic on each PicoEmitter™ module to completely control unwanted backlight. Most effective with Type III and IV distributions.



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## Lumen Data

Spectroradiometric			
	3000K Average	4200K Average	5100K Average
Correlated Color Temp. CCT (K)	2800K-3175K	3800K-4600K	4600K-5600K
Color Rendering Index (CRI)	≤80	≤80	≤70
Power Factor	>.90	>.90	>.90

Projected Lumen Maintenance*		
mA	100,000 hrs	(Calculated L70)
350	90.78%	470,000 hrs

Electrical Drive Current		
Volts - AC	Amps - AC	System Watts
120	1.05	126
208	0.61	126
240	0.53	126
277	0.45	126
347	0.36	126
480	0.26	126

B.U.G. Rating (TM15) in Lumens wher B = Backlight, U = Uplight, G = Glare								
Temperature	TYPE 1	TYPE 2	TYPE 3	TYPE 3 NFO	TYPE 4	TYPE 4 NFO	TYPE 5	TYPE L/R
3000K	TBD	B3 U2 G3	B2 U2 G2	TBD	B1 U2 G2	TBD	B3 U2 G2	TBD
4200K	TBD	B3 U3 G3	B3 U3 G3	TBD	B1 U2 G3	TBD	B4 U2 G2	TBD
5100K	TBD	B3 U3 G3	B3 U3 G3	TBD	B1 U2 G3	TBD	B4 U2 G2	TBD

Absolute Lumens								
Temperature	TYPE 1	TYPE 2	TYPE 3	TYPE 3 NFO	TYPE 4	TYPE 4 NFO	TYPE 5	TYPE L/R
3000K	TBD	8984	8940	TBD	8568	TBD	9186	TBD
4200K	TBD	11859	11800	TBD	11310	TBD	12125	TBD
5100K	TBD	12478	12416	TBD	11900	TBD	12758	TBD

LED performance and lumen output continues to improve at a rapid pace. Log onto [www.kimlighting.com](http://www.kimlighting.com) to download the most current photometric files from Kim Lighting's IES File Library. For custom optics and color temperature configurations, contact factory.