

Type:  
 Job:  
 Catalog number:



Approvals:

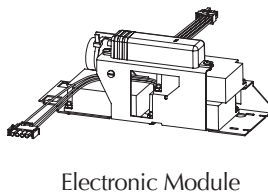
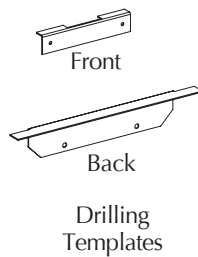
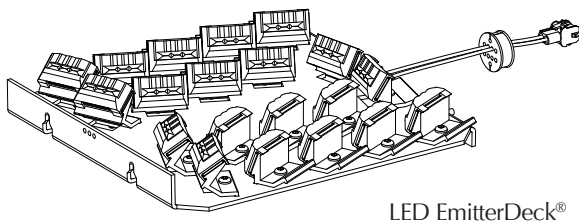
LED Kit      /      /  
 Electrical Module      Option

Date:  
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## Specifications

### SAR-LED-KIT

60 Light Emitting Diodes  
 Total System Watts = 65W  
 Maximum Weight = 30 lbs.  
 when installed in Archetype LED



**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:** Each precision, replaceable PicoEmitter™ is 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.

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

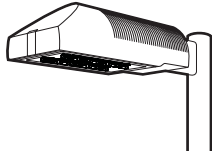
**CAUTION:** Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

### Suggested Tools:

- 3/8" Socket Wrench
- 5/16" Wrench
- Hammer
- Drill Motor
- .626" (#20) Drill Bit
- Center Punch
- 1/4" Drill Bit

Type:

Job:



## Standard Features

### Fixture

Cat. No. designates fixture and distribution

SAR-LED-KIT

**Upgrade Kit:**  
SAR-LED-KIT

x

### Distribution:

- 2 = Type II Full Cutoff
- 3 = Type III Full Cutoff
- 4 = Type IV Full Cutoff
- 5 = Type V Square Full Cutoff
- L = Type L Left Full Cutoff
- R = Type R Right Full Cutoff

E

**Optic:**  
E = PicoEmitter™

35

**Current:**  
35 = 350 mA

### Light Distribution:



TYPE II



TYPE III



TYPE IV



TYPE V



TYPE R  
One-Way Right



TYPE L  
One-Way Left

### Electrical Module

Cat. Nos. for Electrical Modules available:

60L

xK

x

### Source:

60L = 60 LED's

### Color Temperature:

- 3K = 3000K
- 4K = 4200K
- 5K = 5100K
- 2K = 580nm - Amber

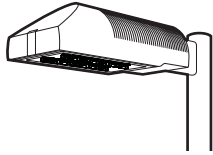
### Voltage:

- 120 = 120V
- 208 = 208V
- 240 = 240V
- 277 = 277V
- 347 = 347V<sup>1</sup>
- 480 = 480V<sup>1</sup>

Type:

Job:

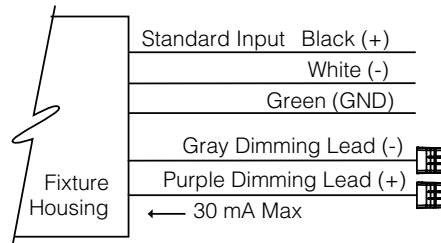
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## Standard Features

### 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.

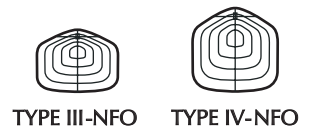


## Optional Features

### 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.



### Fusing

Cat. No. **(see right)**  
 **No Option**

High temperature fuse holders factory installed inside the fixture housing. Fuse included.

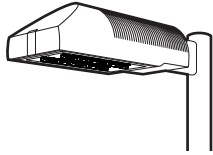
Line Volts: 120V 208V 240V 277V 347V 480V  
 Cat. No.:  **SF**  **DF**  **DF**  **SF**  **SF**  **DF**



Type:

Job:

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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	93.04%	565,000 Hrs

Electrical Drive Current		
Volts - AC	Amps - AC	System Watts
120	0.54	65
208	0.31	65
240	0.27	65
277	0.23	65
347	0.19	65
480	0.14	65

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	B1 U0 G1	B1 U0 G1	B1 U0 G1	B1 U0 G1	B0 U0 G1	B2 U0 G1	TBD
4200K	TBD	B2 U0 G2	B1 U0 G1	B1 U0 G1	B1 U0 G1	B0 U0 G1	B3 U0 G1	TBD
5100K	TBD	B2 U0 G2	B1 U0 G1	B1 U0 G1	B1 U0 G2	B0 U0 G1	B3 U0 G1	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	3987	3827	3156	3922	3208	3907	TBD
4200K	TBD	5277	5065	4176	5191	4246	5171	TBD
5100K	TBD	5527	5305	4374	5437	4447	5416	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.

For warranty see <http://www.hubbellighting.com/resources/warranty>