

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

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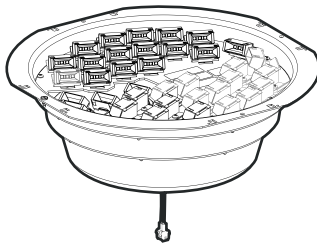
LED Kit                      Electrical Module                      Option

**Approvals:**

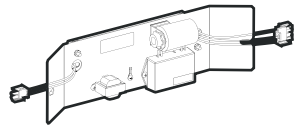
**Date:**  
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## Specifications

**CC21-LED-KIT**  
For CC21, CCS21 and VL21  
120 Light Emitting Diodes



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 MicroEmitters are positioned to achieve directional control toward desired task. The entire EmitterDeck fastens to the housing as a one-piece module.

**Warranty:** Kim Lighting warrants LED Upgrade Kit products ("Product(s)") sold by Kim Lighting to be free from defects for (i) a period of six (6) years for LED Light Engines (MicroEmitters), (ii) a period of five (5) years for LED power components (LED Driver, LifeShield device, Surge Protector) and (iii) for a period of one (1) year for the re-used metal housing components of the existing luminaire from the date of sale of the LED Upgrade Kit to the buyer as specified in Kim Lighting shipment documents for each Product(s).

**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:**  
• Flathead Screw Driver

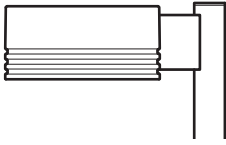
Listings and Ratings		
ETL <sup>1</sup> to UL 8750 Standard	CE	25°C Ambient

<sup>1</sup>Suitable for wet locations.  
KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

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## Standard Features

### Fixture

Cat. No. designates fixture and distribution

CC21-LED-KIT

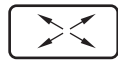
**Upgrade Kit:**  
 CC21-LED-KIT

x

**Distribution:**

- |   |  |
|---|--|
| <input type="checkbox"/> 1 = Type I       | <input type="checkbox"/> 4 = Type IV     |
| <input type="checkbox"/> 2 = Type II      | <input type="checkbox"/> 5 = Type V      |
| <input type="checkbox"/> 3 = Type III     |  |
| <hr/>                                     |  |
| <input type="checkbox"/> R = Type R Right | <input type="checkbox"/> L = Type L Left |

### Light Distribution:



TYPE I



TYPE II



TYPE III



TYPE IV



TYPE V



TYPE R  
 One-Way Right

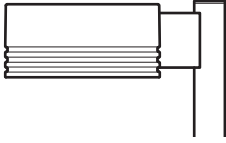


TYPE L  
 One-Way Left

Type:

Job:

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## Standard Features

### Electrical Module

Cat. Nos. for Electrical Modules available:

120L	xK	x
<b>Source:</b> 120L = 120 LED's		<b>Voltage:</b>
<b>Color Temperature:<sup>1</sup></b>		<input type="checkbox"/> 120 = 120V
<input type="checkbox"/> 3K = 3500K		<input type="checkbox"/> 208 = 208V
<input type="checkbox"/> 5K = 5100K		<input type="checkbox"/> 240 = 240V
<input type="checkbox"/> 2K = 580nm - Amber		<input type="checkbox"/> 277 = 277V
		<input type="checkbox"/> 347 = 347V
		<input type="checkbox"/> 480 = 480V

<sup>1</sup>4300K and 6500K are also available on an "Engineered-to-Order" (ETO) basis.

Fixture	Max System Watts	Volt	Operating Amps
CC21 LED	140	120	1.17
CC21 LED	140	208	0.67
CC21 LED	140	240	0.58
CC21 LED	140	277	0.51
CC21 LED	140	347	0.40
CC21 LED	140	480	0.29

Watt, volt and amps are based on max assumptions, rather than thermal in situ testing.

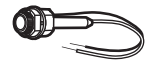
## Option Feature

### 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

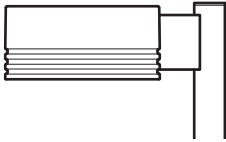


Single Fuse

Type:

Job:

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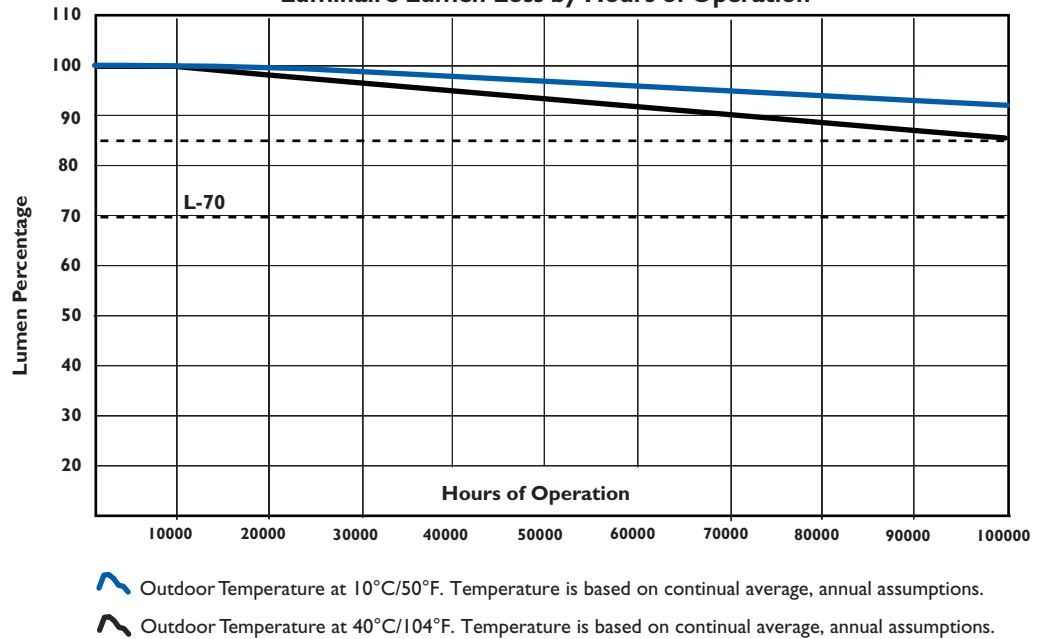


## Lumen Performance Charts

### NOTES:

1. Lumen loss stabilization is a result of Kim Lighting's MicroEmitter™ luminaires exclusive LifeShield® Protection System and Dual Heat Management.
2. The LifeShield Protection System will lower the current to the LEDs significantly if the luminaire is exposed to direct heat (sun) or excessive abnormal conditions.
3. Luminaire Lumen Loss assumptions are based on LM-80 results and an actual outdoor product testing based upon 5100K CCT, 350mA drive current, 25°C/77°F tab ambient and cathode temperature at 85°C/185°F. Assumptions past 6,000 hours are interpolated.
4. Cathode temperature baseline is at 85°C/185°F. If cathode temperature increases during ambient changes and abnormal environment conditions, % of rated lumens will slightly decrease.
5. Outdoor ambient temperatures are assumed SITU average by geographic region.
6. As Solid State Lighting technology and thermal management systems continually advance, lumen loss projections are subject to improvement.

Luminaire Lumen Loss by Hours of Operation



Luminaire Output at Outdoor Ambient Temperatures

