

Type:
 Job:
 Catalog number:

Approvals:

LED Kit / Electrical Module / Option



Date:
 Page: 1 of 4

Specifications

EKG401-LED-KIT/ EKG501-LED-KIT

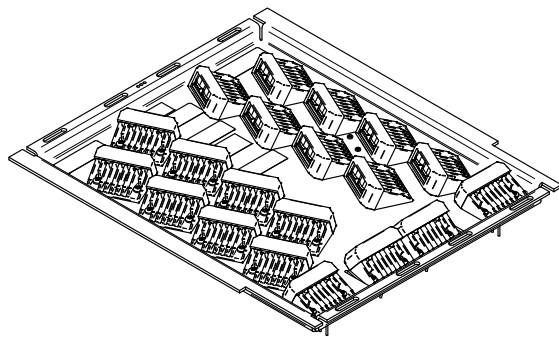
For EKG401 and EKG501 HID to LED Upgrade

80 Light Emitting Diodes

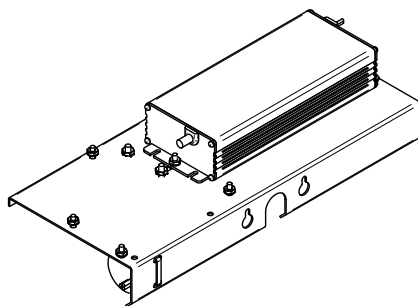
94 System Watts for 350mA

185 System Watts for 700mA

Maximum Weight is 50 lbs. when installed in EKG LED



LED EmitterDeck®



Electronic Module

Electronic Module: All electrical components are UL and CSA recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Module includes a driver, thermal 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.

Optical Module: Precision, IP66 replaceable PicoPrism™ modules are positioned to achieve directional control toward desired task. The entire light engine fastens to the housing as a one-piece module

Dimming: Driver has a 0-10V dimming interface with a dimming range of 10-100%. Approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV. Note: Not compatible with current sourcing dimmers.

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. RoHS compliant. Meets Buy American provisions within ARRA. IDA approved, 3000K and warmer CCTs only.

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

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:

- Phillips Screw Driver
- Large Flat Blade Screw Driver

WARNING: PicoPrism luminaires are designed with open door frame, no lens. When installing an Upgrade Kit, the **glass lens must be removed** due to the increased current of the PicoPrism assemblies. Reference HID to PicoPrism Upgrade Kit Installation sheet for instructions.



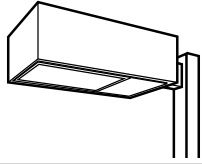
US Patent Number D674,965 S.

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

Type:

Job:

Page: 2 of 4



Standard Features

Fixture

Cat. No. designates fixture and distribution

EKGxxx-LED-KIT

Upgrade Kit:

EKG401-LED-KIT
 EKG501-LED-KIT

x

Distribution:

- 1 = Type I
- 2 = Type II
- 3 = Type III
- 4 = Type IV
- 5 = Type V
- L = Type L Left
- R = Type R Right

P

Optic:

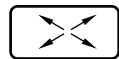
P = PicoPrism™

xx

Current:

35 = 350 mA
 70 = 700 mA

Light Distribution:



TYPE I



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:

80L

xK

x

Source:

80L = 80 LED's

Color Temperature:

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

Voltage:

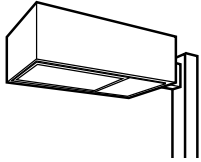
- 120 = 120V¹
- 208 = 208V¹
- 240 = 240V¹
- 277 = 277V¹
- 347 = 347V
- 480 = 480V

¹120V through 277V is a variable driver.

Type:

Job:

Page: 3 of 4



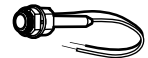
Optional Features

Fusing

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

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

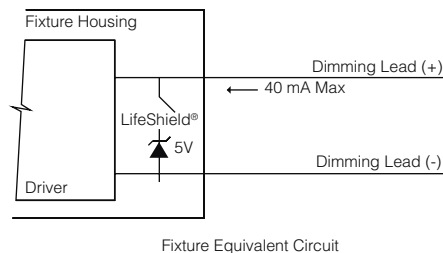
Line Volts: 120V 208V 240V 277V 347V 480V
 Cat. No.: SF DF DF SF SF DF



Single Fuse

0-10V Dimming Interface

Driver has a 0-10V dimming interface with a dimming range of 10-100%. Approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV. Note: Not compatible with current sourcing dimmers.



Neighbor Friendly Optic:

Cat. No. NFO
 No Option

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



TYPE III-NFO

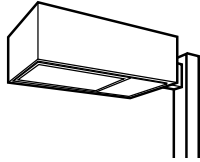


TYPE IV-NFO

Type:

Job:

Page: 4 of 4



Lumen Data

Spectroradiometric				Projected Lumen Maintenance		
	3000K Average	4200K Average	5100K Average	mA	50,000 hrs	100,000 hrs
Correlated Color Temp. CCT (K)	2800K - 3175K	3800K - 4600K	4600K - 5600K	350 mA	N/A	N/A
Color Rendering Index (CRI)	≥75	≥70	≥65	700 mA	95.74%	92.68%
Power Factor	>.90	>.90	>.90			

Electrical Drive Current					
350mA			700mA		
Volts - AC	Amps - AC	System Watts	Volts - AC	Amps - AC	System Watts
120	0.78	94	120	1.54	185
208	0.45	94	208	0.89	185
240	0.39	94	240	0.77	185
277	0.34	94	277	0.67	185
347	0.27	94	347	0.53	185
480	0.20	94	480	0.39	185

B.U.G. Rating for 350mA (TM15) in Lumens where B = Backlight, U = Uplight, G = Glare								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	B3 U0 G3	B3 U0 G3	B2 U0 G2	B0 U0 G2	B0 U0 G2	B0 U0 G2	B3 U0 G2	B3 U0 G3
4200K	B3 U0 G3	B3 U0 G3	B2 U0 G3	B0 U0 G2	B1 U0 G3	B0 U0 G2	B3 U0 G2	B3 U0 G3
5100K	B3 U0 G3	B3 U0 G3	B2 U0 G3	B0 U0 G2	B1 U0 G3	B0 U0 G2	B3 U0 G2	B3 U0 G3

Absolute Lumens for 350mA								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	6521	6471	6339	5596	6388	5770	6561	6395
4200K	8435	8370	8298	7238	8263	7464	8488	8271
5100K	8949	8880	8801	7679	8766	7918	9004	8775

B.U.G. Rating for 700mA (TM15) in Lumens where B = Backlight, U = Uplight, G = Glare								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	B4 U0 G4	B3 U0 G3	B3 U0 G3	B3 U0 G3	B1 U0 G3	B0 U0 G4	B4 U0 G3	B3 U0 G3
4200K	B4 U0 G4	B3 U0 G3	B3 U0 G3	B3 U0 G3	B1 U0 G4	B0 U0 G4	B4 U0 G3	B3 U0 G3
5100K	B4 U0 G4	B3 U0 G3	B3 U0 G3	B3 U0 G3	B1 U0 G4	B0 U0 G4	B4 U0 G3	B3 U0 G3

Absolute Lumens for 700mA								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	11641	11551	12077	10741	11547	10337	12211	11288
4200K	15184	15067	15754	14010	15063	13484	15929	14725
5100K	15316	15198	15891	14132	15194	13602	16067	14854

LED performance and lumen output continues to improve at a rapid pace. Log onto 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.