

GEM-LED-KIT	1	1	/U
Fixture	Source	Color	Vol



GEM-LED-KIT

Gem Performance Bollard

Replacement LED Kit

2/13/15	•	kl_g	eml	edkit	_spec.pdf

Туре:	Approvals:
Job:	
Catalog number:	
GEM-LED-KIT / / /UV Fixture Source Color Voltage Temperature	Date: Page: 1 of 3
Specifications GEM-LED-KIT 18-36 Diodes	LED Optical System: A total of 9 mid power LED emitters configured in a rectangular array comprised together as a module. Two (2) modules, 18 diodes for Type I version; three (3) modules, 27 diodes, for Type III version; and four (4) modules, 36 diodes for Type V version. Available in 580nm Amber, 3000K, 4200K and 5100K color temperatures.
	LED Driver: Universal voltage from 120 to 277V with a ±10% tolerance40°F. starting temperature. All drivers are Underwriters Laboratories recognized.
	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 codes. Failure to do so may result in serious personal injury.



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Type: Job:				Page: 2 of 3
	Standard F	eatures		
Fixture Cat. No. designates fixture and distribution	Cat. Nos. for LED Elec GEM-LED-KIT Replacement Kit: GEM-LED-KIT	xL Source: 18L= 18 LED (IES Type I) 27L= 27 LED (IES Type III) 36L= 36 LED (IES Type V)	xK Color Temperature: □ 2K = 580nm □ 3K = 3000K □ 4K = 4200K □ 5K = 5100K	x Voltage: UV Universal Voltage shall range from 120V-277V



Type:

Job:

Page: 3 of 3



Lumen Data

Spectroradiometric					
	3000K Average	4200K Average	5100K Average		
Correlated Color Temp. CCT (K)	2800K - 3175K	3800K - 4600K	4600K - 5600K		
Color Rendering Index (CRI)	≥75	≥70	≥65		
Power Factor	>.90	>.90	>.90		

Projected Lumen Maintenance				
mA 50,000 hrs 100,000 hrs				
350mA	N/A	N/A		

Based on 36LED version.

Electrical Drive Current - @350mA							
	Туре 1			Туре 3		Type 5	
Volts - AC	Amps - AC	System Watts	Amps - AC	System Watts	Amps - AC	System Watts	
120	0.18	21	0.26	31	0.34	41	
208	0.10	21	0.15	31	0.20	41	
240	0.09	21	0.13	31	0.17	41	
277	0.08	21	0.11	31	0.15	41	

B.U.G. Rating (TM15) in Lumens where $B = Backlight$, $U = Uplight$, $G = Glare$					
Temperature	TYPE 1	TYPE 3	TYPE 5		
3000K	B1 U2 G1	B1 U3 G1	B1 U3 G1		
4200K	B1 U2 G1	B1 U3 G1	B1 U3 G1		
5100K	B1 U2 G1	B1 U3 G1	B1 U3 G1		

Absolute Lumens			
Temperature	TYPE 1	TYPE 3	TYPE 5
3000K	902	1435	1879
4200K	955	1518	1988
5100K	1038	1650	2160

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.

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