

# GEM-LED-KIT

GEM PERFORMANCE BOLLARD

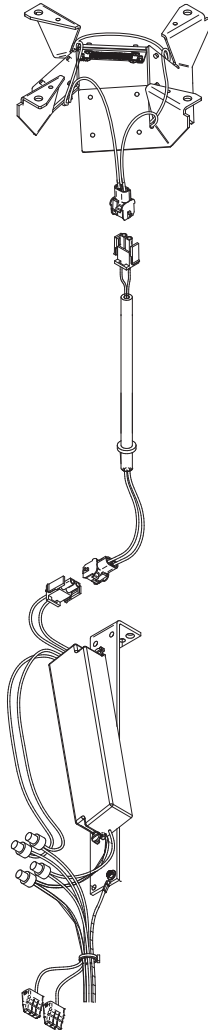
Type:  
Job:  
Catalog number:

Approvals:

GEM-LED-KIT / / UV  
Fixtue Source Color Voltage  
Temperature

## 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  $\pm 10\%$  tolerance.  $-40^{\circ}\text{F}$ . 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.



## Standard Features

Fixture  
Cat. No. designates fixture  
and distribution

Cat. Nos. for LED Electrical Modules available:

**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



## 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						
Volts - AC	Type 1		Type 3		Type 5	
	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. For custom optics and color temperature configurations, contact factory.