

Type:  
Job:  
Catalog number:

Approvals:

Fixture / Electrical Module / Luminaire Finish / Options  
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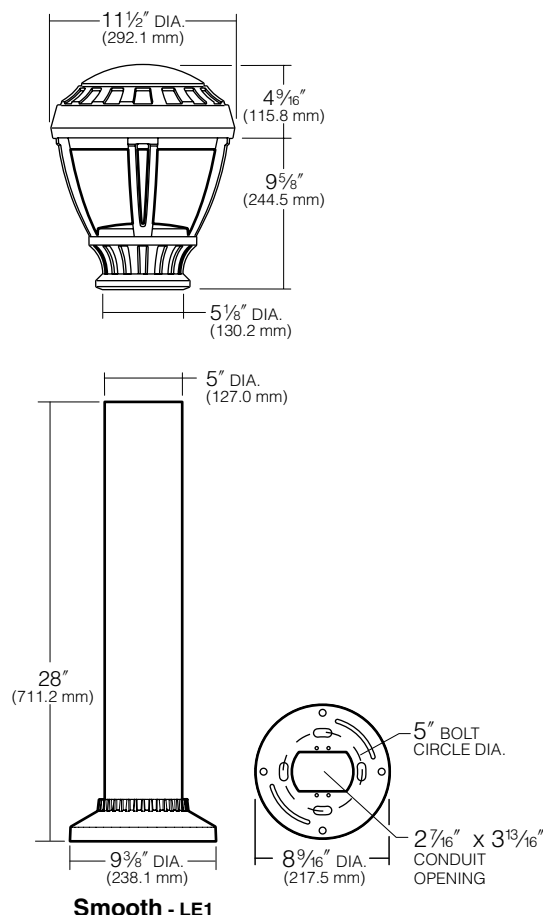
3000K and warmer CCTs only

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## Specifications

### LE1 LED

18, 27 or 36 LED



**HOOD AND LENS FRAME:** Die-cast low copper (<0.6% Cu) aluminum alloy with stainless steel hinge. Hood is opened by loosening one stainless steel captive button-head socket cap screws. The 1/8" thick clear flat tempered glass lens seals against the lens frame by a one-piece extruded and vulcanized silicone gasket. The lens frame seals against the hood by a one-piece extruded and vulcanized silicone gasket.

**ARM:** Double curved die-cast, low copper aluminum alloy with internal wiring chamber supports the hood and lens frame.

**HUB:** Die-cast low copper aluminum alloy with a die-cast access cover. The hub is designed to support the arms.

**ANCHOR BASE PLATE:** A heavy cast aluminum anchor base plate is provided for mounting to the four 3/8" x 10" + 2" zinc plated J-bolts, each with two nuts and washers. A rigid pressed board template is provided to secure the anchor bolts during concrete pour. (5" B.C.D.) rods sandwich shaft between base and head.

**ELECTRICAL MODULE:** Factory mounted to a rigid assembly attached to the anchor base. A total of 9 LED emitters configured in a rectangular array comprised together as a module. Two (2) modules for 18 LED version; three (3) modules for 27 LED version; and four (4) modules for 36 LED version. Available in 580nm Amber, 3000K, 4200K and 5100K color temperatures.

**LED DRIVER:** Rated for 18 LED, 27 LED or 36 LED. Universal voltage from 120 to 277V with a ±10% tolerance. -40°F starting temperature. All drivers are Underwriters Laboratories recognized.

**NOTE:** The 120V driver can be dimmed with an electronic low voltage forward phase dimmer.

**RISER: Smooth** – The riser assembly is a one-piece smooth aluminum extrusion (.125" minimum wall thickness) and a heavy cast aluminum base cover. Two internal 3/8" mounting rods sandwich riser between base and hub.

**Finish:** Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat finish. Standard colors include (BL) Black, (DB) Dark Bronze, (WH) White, (PS) Platinum Silver, (SG) Stealth Gray, (LG) Light Gray, and (CC) Custom Color (Include RAL#).

**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.

**Warranty:** Kim Lighting warrants Bollard LED products sold by Kim Lighting to be free from defects in material and workmanship for (i) a period of five (5) years for metal parts, (ii) a period of five (5) years for exterior housing paint finish(s), (iii) a period of five (5) years for LED Light Engines and, (iv) a period of five (5) years for LED power components (driver, surge protector and LifeShield® device), from the date of sale of such goods to the buyer as specified in Kim Lighting shipment documents for each product.

**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.

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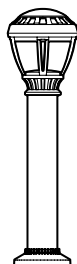
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## Standard Features

### Fixture



Cat. No. ☐ **LE1**

### Electrical Module LED = Light Emitting Diode

Cat. Nos. for LED Electrical Modules available:

**xL**

**Source:**

- ☐ **18L**= Type I
- ☐ **27L**= Type III
- ☐ **36L**= IES Type V

**xK**

**Color Temperature:**

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

**UV**

**Voltage:**

- ☐ **UV** Universal Voltage shall range from 120V-277V

### Luminaire Finish

TGIC powder coat paint on fixture and shaft

Color:    Black    Dark Bronze    Light Gray    Stealth Gray    Platinum Silver    White    Custom Color<sup>1</sup>  
Cat. No.: ☐ **BL**    ☐ **DB**    ☐ **LG**    ☐ **SG**    ☐ **PS**    ☐ **WH**    ☐ **CC**

<sup>1</sup>Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: \_\_\_\_\_

### 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.



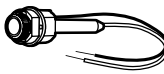

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## Optional Features

<b>Fusing (internal only):</b> Cat. No. <b>(see chart at right)</b> <input type="checkbox"/> No Option	High temperature fuse holders factory installed inside the fixture housing. Fuse is included. Line Volts:    120V       208V       240V       277V       347V Cat. No.: <input type="checkbox"/> SF <input type="checkbox"/> DF <input type="checkbox"/> DF <input type="checkbox"/> SF <input type="checkbox"/> SF	 Single Fuse
<b>Battery Back-up</b> Cat. No. <input type="checkbox"/> EM <input type="checkbox"/> No Option	Internal battery pack provides 90 minutes of supplemental light at 25% of initial lamp lumens.	 Battery Back-up
<b>Optional Duplex Receptacle</b> Cat. No. <input type="checkbox"/> DR <input type="checkbox"/> DR-GFI <input type="checkbox"/> No Option	Mounted 18" from bottom of shaft, in a cast aluminum box that is internally welded and sealed with a gasketed While-In-Use cover with locking tab. Painted to match bollard. <b>DR</b> weather proof duplex receptacle rated 20A, 125V. <b>DR-GFI</b> weather proof duplex receptacle with ground fault circuit interrupter rated 20A, 125V.	

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## 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	350mA	N/A	N/A
Color Rendering Index (CRI)	≥75	≥70	≥65			
Power Factor	>.90	>.90	>.90			

Based on 36LED version.

Electrical Drive Current - @350mA						
	Type 1		Type 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 U0 G1	B1 U0 G1	B1 U0 G1
4200K	B1 U0 G1	B1 U0 G1	B1 U0 G1
5100K	B1 U0 G1	B1 U0 G1	B2 U0 G1

Absolute Lumens			
Temperature	TYPE 1	TYPE 3	TYPE 5
3000K	1321	2188	2747
4200K	1365	2174	2838
5100K	1509	2404	3137

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.