



**KIM LIGHTING**

# VRB2 LED Round Bollard

Dual Function, Vandal-Resistant, Aluminum Shaft

revision 6/29/11 • kl\_vrb2led\_spec.pdf

Type:  
Job:  
Catalog number:

Approvals:

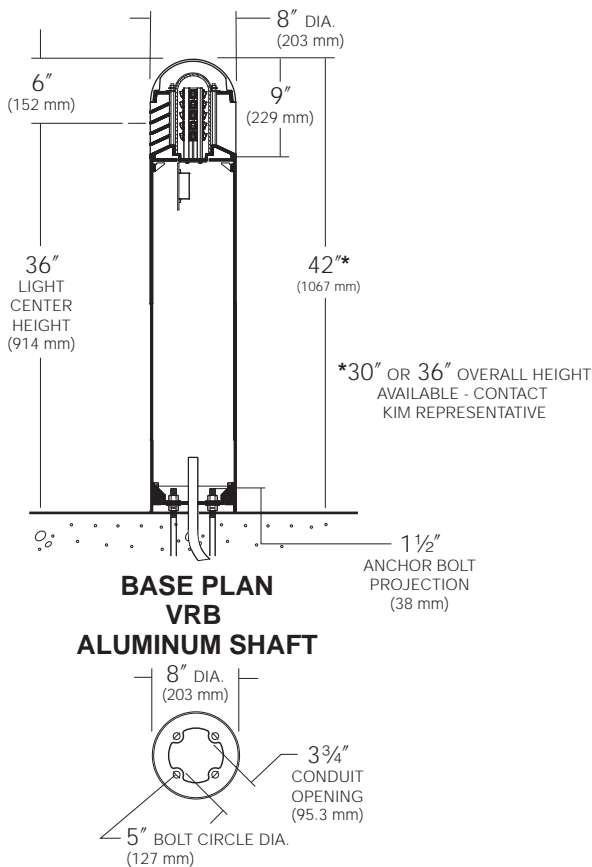
VRB2	/	/	/
Fixture	Electrical Module	Luminaire Finish (includes top cap and shaft)	Option
See page 2			

Date:  
Page: 1 of 2

## Specifications

VRB-LED Models  
10 - 20 Diodes

VRB2 - Dual Function Luminaire (Aluminum Shaft)  
Maximum weight: 30 lb



**Domed Top Cap:** Die-cast aluminum secured to louvers by concealed allen screws in keyhole slots. For relamping access, allen screws shall not require complete removal.

**Louvers:** One-piece sand-cast with horizontal and vertical blades. Horizontal louvers shall provide 210° of downlighting with source cutoff above horizontal. Vertical louvers shall provide 150° of non-cutoff lighting. Horizontal louver blades shall have a 1 3/4" depth with a 65° upward pitch from horizontal. Vertical louver blades shall have a 1 3/4" depth with a 30° spacing. Louver assembly shall be secured to shaft by four internal tie rods.

**Lamp Enclosure:** One-piece tempered molded glass with internal flutes and full gasketing at bottom edge.

**Socket:** Porcelain medium base socket rated 4KV for HID and incandescent. Plastic socket for Fluorescent.

**Fixture Head:** Allows flow-through ventilation around and above the lamp enclosure.

**Shaft:** One-piece extruded aluminum, .125" wall thickness with heavy cast aluminum twist-lock anchor base concealed within the shaft. Concealed set screws shall lock shaft onto the cast anchor base.

**Electronic Module:** All electrical components are either UL or ETL recognized, mounted on a single plate and factory prewired with quick disconnect plugs. Driver is rated for -40°F starting and has a 0-10V dimming interface for multi-level illumination options.

**Optical Module:** Each LED equipped with a directional optic for maximum beam angle projecting through louver stack spacings. LED boards to be mounted to an anodized inter-locking heat sink extrusion. (Type I) two 5-LED boards for a total of 10-LED. (Type III) three 5-LED boards for a total of 15-LED. (Type V) four 5-LED boards for a total of 20-LED. Available in 3500K and 5100K color temperatures.

**Anchor Bolts:** Four 3/8" x 10" + 2" zinc plated L-hooks, each with two nuts, washers and a rigid pressed board template.

**Finish:** TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a titanated zirconium conversion coating; 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Light Gray, Stealth Gray™, Platinum Silver, or White. Custom colors are available.

**CAUTION:** Fixtures must be grounded in accordance with national, state and/or local codes. Failure to do so may result in serious personal injury.

### Listings and Ratings

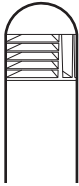
UL, or ETL to UL Standards 1598 & 8750 <sup>1</sup>	IP46 Rated	25C Ambient
---	------------	-------------

<sup>1</sup> Suitable for wet locations

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.



Type:  
 Job:



## Standard and Optional Features

<b>Fixture</b>	Cat. No. <b>VRB2</b> Dual Function, Aluminum Shaft, Domed Top																
<b>Electrical Module</b> <b>LED = Light Emitting Diode</b>	<p>Cat. Nos. for LED Electrical Modules available:</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>xL</b></p> <p><b>Source:</b></p> <input type="checkbox"/> <b>10L</b>= 10 LED (IES Type I)  <input type="checkbox"/> <b>15L</b>= 15 LED (IES Type III)  <input type="checkbox"/> <b>20L</b>= 20 LED (IES Type V)         </div> <div style="text-align: center;"> <p><b>xK</b></p> <p><b>Color Temperature:</b></p> <input type="checkbox"/> <b>3K</b> = 3500K  <input type="checkbox"/> <b>5K</b> = 5100K         </div> <div style="text-align: center;"> <p><b>x</b></p> <p><b>Voltage:</b></p> <input type="checkbox"/> <b>UV</b>             Universal Voltage shall range from 120V-277V         </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 25%;">FIXTURE</th> <th style="width: 25%;">TOTAL SYSTEM WATTS</th> <th style="width: 25%;">VOLT</th> <th style="width: 25%;">OPERATING AMPS</th> </tr> </thead> <tbody> <tr> <td>VRB2 – 10 LED</td> <td style="text-align: center;">12</td> <td style="text-align: center;">120 / 208 / 240 / 277</td> <td style="text-align: center;">.10 / .05 / .05 / .04</td> </tr> <tr> <td>VRB2 – 15 LED</td> <td style="text-align: center;">18</td> <td style="text-align: center;">120 / 208 / 240 / 277</td> <td style="text-align: center;">.15 / .09 / .08 / .07</td> </tr> <tr> <td>VRB2 – 20 LED</td> <td style="text-align: center;">24</td> <td style="text-align: center;">120 / 208 / 240 / 277</td> <td style="text-align: center;">.20 / .12 / .10 / .09</td> </tr> </tbody> </table>	FIXTURE	TOTAL SYSTEM WATTS	VOLT	OPERATING AMPS	VRB2 – 10 LED	12	120 / 208 / 240 / 277	.10 / .05 / .05 / .04	VRB2 – 15 LED	18	120 / 208 / 240 / 277	.15 / .09 / .08 / .07	VRB2 – 20 LED	24	120 / 208 / 240 / 277	.20 / .12 / .10 / .09
FIXTURE	TOTAL SYSTEM WATTS	VOLT	OPERATING AMPS														
VRB2 – 10 LED	12	120 / 208 / 240 / 277	.10 / .05 / .05 / .04														
VRB2 – 15 LED	18	120 / 208 / 240 / 277	.15 / .09 / .08 / .07														
VRB2 – 20 LED	24	120 / 208 / 240 / 277	.20 / .12 / .10 / .09														
<b>Finish</b> TGIC thermoset polyester powder coat paint applied over a titanated zirconium conversion coating on fixture and shaft.	<p>Color:    Black    Dark Bronze    Light Gray    Stealth Gray™    Platinum Silver    White    Custom Color<sup>1</sup></p> <p>Cat. No.: <input type="checkbox"/> <b>BL</b>   <input type="checkbox"/> <b>DB</b>   <input type="checkbox"/> <b>LG</b>   <input type="checkbox"/> <b>SG</b>   <input type="checkbox"/> <b>PS</b>   <input type="checkbox"/> <b>WH</b>   <input type="checkbox"/> <b>CC</b></p> <p><b>NOTE:</b> Black and Dark Bronze colors will produce slightly less louver brightness than Light Gray or White.</p> <p><sup>1</sup>Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>																