

# VIPER Bollard

LED BOLLARD

## FEATURES

- Rectilinear Bollard luminaire to match the Viper Area, Flood and Wall product lines
- Available in 24", 30", 36" and 42" heights
- Options including button photo control, fusing and surge protection
- Full cutoff luminaire produces no light above 90 degrees which makes all configurations U0.



## SPECIFICATIONS

### CONSTRUCTION

- Bollard is available in 42", 36", 30" and 24" heights.
- Die cast aluminum top housing attaches to extruded aluminum riser with die cast aluminum base assembly.
- Corrosion resistant, aluminum construction with 1000 hour powder coat paint finish
- External hardware is corrosion resistant

### LEDs AND OPTICS

- Available in 70 and 80 CRI (see Ordering Guide for more information)
- Broad range of CCT options, including 2700K, 3000K, 3500K, 4000K, 5000K; also available in phosphor converted amber
- TIR Optical lenses are clear injection molded PMMA acrylic
- One-piece silicone gasket ensures a weatherproof seal around each optical bezel
- All configurations are full cut-off with zero up-light from the source

### INSTALLATION

- Adjustable baseplate to provide preferred fixture alignment, with up to 10-degrees of adjustment
- Fixture will ship with cast aluminum 360 alloy anchor base; four 1/2" x 10" anchor bolts.

### ELECTRICAL

- Universal 120-347VAC Input Voltage, 50/60Hz
- Ambient operating temperature -40°C to 40°C
- Drivers have greater than 90% power factor and less than 20% THD
- Optional 10kA Surge protection available
- Complies with FCC 47 CFR Part 18.

### CONTROLS

- Photo control available for 120-277V applications for on/off control. Photo control is mounted on the side of the product.
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application
- 0-10V Dimming Drivers are standard. The CD option extends the dimming leads outside the fixture for easy access



### CERTIFICATIONS

- Certified to UL 1598 and CSA 22.2#2500-24
- Fixture head is IP65 rated
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions (link to <https://http://www.currentlighting.com/resources/americasolutions>)

### WARRANTY

- 5 year limited warranty

| KEY DATA             |                |
|----------------------|----------------|
| Lumen Range          | 1000-6000      |
| Wattage Range        | 10-50W         |
| Efficacy Range (LPW) | 101-134        |
| Weight lbs. (kg)     | 16-22 (7.3-10) |

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## ORDERING GUIDE

Example: VPB-48L-20-4K7-3-UNV-DBT

CATALOG #

| Model             | # LEDs Wattage                                                                                                                                                                                                                                                                                                                                                       | CCT/CRI                                                                                                                                                                                                                                                              | Distribution                                                                          | Voltage                                                                                                                     | Heights                                                                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| VPB Viper Bollard | <b>24L-10</b> Single head, 1,000 Lumens; 180-Degree Beam<br><b>24L-15</b> Single head, 2,000 Lumens; 180-Degree Beam<br><b>24L-25</b> Single head, 3,000 Lumens; 180-Degree Beam<br><b>48L-20</b> Double head, 2,000 Lumens; 360-Degree Beam<br><b>48L-30</b> Double head, 4,000 Lumens; 360-Degree Beam<br><b>48L-50</b> Double head, 6,000 Lumens; 360-Degree Beam | <b>27K8</b> 2700K, 80 CRI<br><b>3K7</b> 3000K, 70 CRI<br><b>4K7</b> 4000K, 70 CRI<br><b>5K7</b> 5000K, 70 CRI<br><b>3K8</b> 3000K, 80 CRI<br><b>35K8</b> 3500K, 80 CRI<br><b>4K8</b> 4000K, 80 CRI<br><b>5K8</b> 5000K, 80 CRI<br><b>AP</b> Phosphor converted Amber | <b>2</b> Type 2<br><b>3</b> Type 3<br><b>4F</b> Type 4 Front<br><b>4W</b> Type 4 Wide | <b>UNV</b> Universal 120-277<br><b>120</b> 120V<br><b>208</b> 208V<br><b>240</b> 240V<br><b>277</b> 277V<br><b>347</b> 347V | <b>24</b> 24" High<br><b>30</b> 30" High<br><b>36</b> 36" High<br><b>42</b> 42" High |

| Color                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Options                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>BLT</b> Black Matte Textured<br><b>BLS</b> Black Gloss Smooth<br><b>DBT</b> Dark Bronze Textured<br><b>DBS</b> Dark Bronze Smooth<br><b>GTT</b> Graphite Matte Textured<br><b>LGS</b> Light Grey Gloss Smooth<br><b>LGT</b> Light Grey Matte Textured<br><b>PSS</b> Platinum Silver Smooth<br><b>WHT</b> White Matte Textured<br><b>WHS</b> White Gloss Smooth<br><b>VGT</b> Verde Green Textured<br><b>Color Option</b><br><b>CC</b> Custom Color | <b>PC</b> Button Photocontrol (120-277V only)<br><b>CD</b> Customer Dimming<br><b>SP</b> 10kA Surge Protector |

## ELECTRICAL DATA

| # OF LEDS         | 24L (180-Degree Beam) |      |      |
|-------------------|-----------------------|------|------|
| NOMINAL WATTAGE   | 10                    | 15   | 25   |
| SYSTEM POWER (W)  | 6.6                   | 14   | 23   |
| INPUT VOLTAGE (V) | CURRENT (Amps)        |      |      |
| 120               | 0.06                  | 0.12 | 0.19 |
| 208               | 0.03                  | 0.07 | 0.11 |
| 240               | 0.03                  | 0.06 | 0.10 |
| 277               | 0.02                  | 0.05 | 0.08 |
| 347               | 0.02                  | 0.04 | 0.07 |
| 480               | 0.01                  | 0.03 | 0.05 |

| # OF LEDS         | 48L (360-Degree Beam) |      |      |
|-------------------|-----------------------|------|------|
| NOMINAL WATTAGE   | 20                    | 30   | 50   |
| SYSTEM POWER (W)  | 20.2                  | 29   | 48.1 |
| INPUT VOLTAGE (V) | CURRENT (Amps)        |      |      |
| 120               | 0.17                  | 0.24 | 0.40 |
| 208               | 0.10                  | 0.14 | 0.23 |
| 240               | 0.08                  | 0.12 | 0.20 |
| 277               | 0.07                  | 0.10 | 0.17 |
| 347               | 0.06                  | 0.08 | 0.14 |
| 480               | 0.04                  | 0.06 | 0.10 |

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## PERFORMANCE DATA

| DESCRIPTION | # OF LEDS | NOMINAL WATTS | SYSTEM WATTS | DISTRIBUTION TYPE | 5K<br>(5000K nominal, 70 CRI) |     | 4K<br>(4000K nominal, 70 CRI) |     | 3K<br>(3000K nominal, 70 CRI) |     |
|-------------|-----------|---------------|--------------|-------------------|-------------------------------|-----|-------------------------------|-----|-------------------------------|-----|
|             |           |               |              |                   | LUMENS                        | LPW | LUMENS                        | LPW | LUMENS                        | LPW |
| VPB         | 24L       | 10            | 6.6          | 2                 | 888                           | 134 | 883                           | 134 | 850                           | 129 |
|             |           |               |              | 3                 | 829                           | 126 | 825                           | 125 | 794                           | 120 |
|             |           |               |              | 4F                | 871                           | 132 | 867                           | 131 | 834                           | 126 |
|             |           |               |              | 4W                | 867                           | 131 | 863                           | 131 | 830                           | 126 |
|             |           | 15            | 14           | 2                 | 1883                          | 134 | 1830                          | 131 | 1802                          | 129 |
|             |           |               |              | 3                 | 1759                          | 126 | 1750                          | 125 | 1683                          | 120 |
|             |           |               |              | 4F                | 1848                          | 132 | 1839                          | 131 | 1769                          | 126 |
|             |           |               |              | 4W                | 1839                          | 131 | 1873                          | 134 | 1761                          | 126 |
|             |           | 25            | 23           | 2                 | 3116                          | 135 | 3043                          | 132 | 2982                          | 130 |
|             |           |               |              | 3                 | 2910                          | 127 | 3029                          | 132 | 2785                          | 121 |
|             |           |               |              | 4F                | 3059                          | 133 | 3100                          | 135 | 2928                          | 127 |
|             |           |               |              | 4W                | 3044                          | 132 | 2896                          | 126 | 2914                          | 127 |
|             | 48L       | 20            | 20.2         | 2                 | 2624                          | 130 | 2608                          | 129 | 2509                          | 124 |
|             |           |               |              | 3                 | 2677                          | 133 | 2661                          | 132 | 2560                          | 127 |
|             |           |               |              | 4F                | 2553                          | 126 | 2538                          | 126 | 2441                          | 121 |
|             |           |               |              | 4W                | 2593                          | 128 | 2577                          | 128 | 2479                          | 123 |
|             |           | 30            | 29           | 2                 | 3540                          | 122 | 3519                          | 121 | 3386                          | 117 |
|             |           |               |              | 3                 | 3613                          | 125 | 3591                          | 124 | 3455                          | 119 |
|             |           |               |              | 4F                | 3445                          | 119 | 3424                          | 118 | 3294                          | 114 |
|             |           |               |              | 4W                | 3499                          | 121 | 3478                          | 120 | 3346                          | 115 |
|             |           | 50            | 48.1         | 2                 | 5376                          | 112 | 5237                          | 109 | 5038                          | 105 |
|             |           |               |              | 3                 | 5126                          | 105 | 5344                          | 111 | 5141                          | 107 |
|             |           |               |              | 4F                | 5207                          | 108 | 5175                          | 107 | 4902                          | 101 |
|             |           |               |              | 4W                | 5268                          | 110 | 5096                          | 105 | 4979                          | 103 |

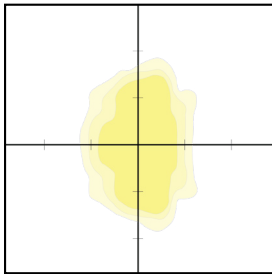
## PHOTOMETRY

MOUNTING: 3.5 FT

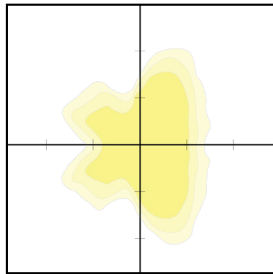
SCALE: 1IN = 10 FT

.5 .2 .1

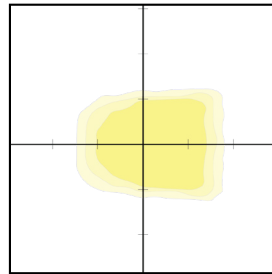
## SINGLE OUTPUT



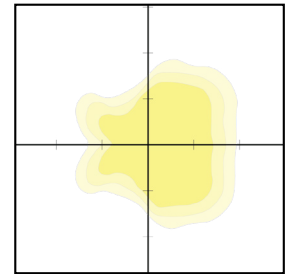
TYPE 2



TYPE 3

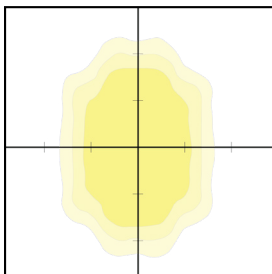


TYPE 4F

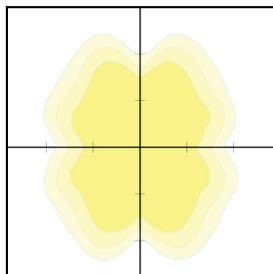


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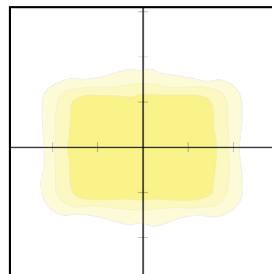
## DOUBLE OUTPUT



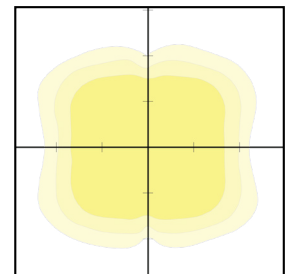
TYPE 2



TYPE 3



TYPE 4F

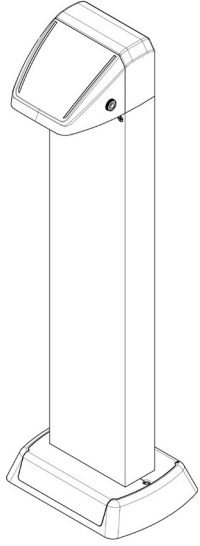


TYPE 4W

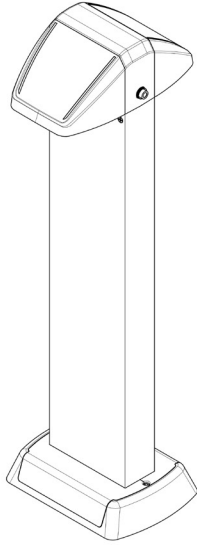
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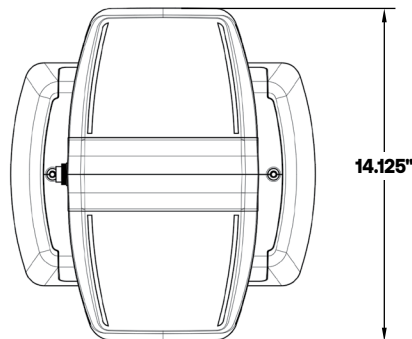
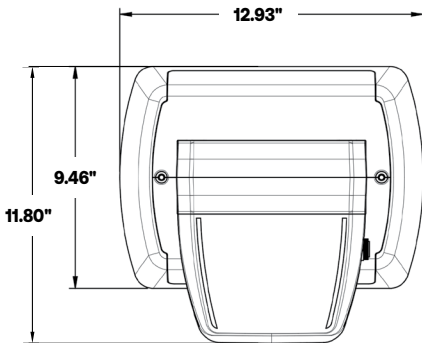
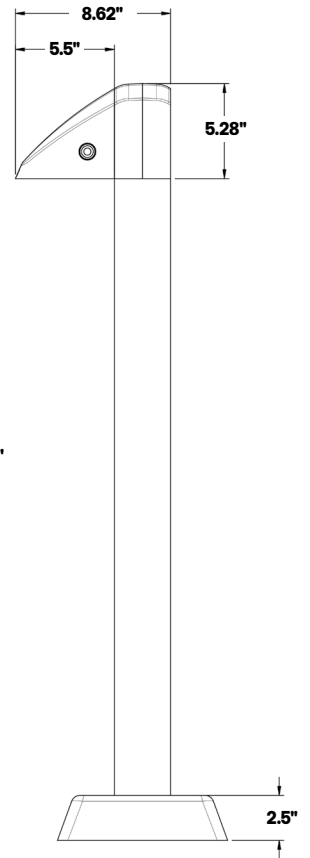
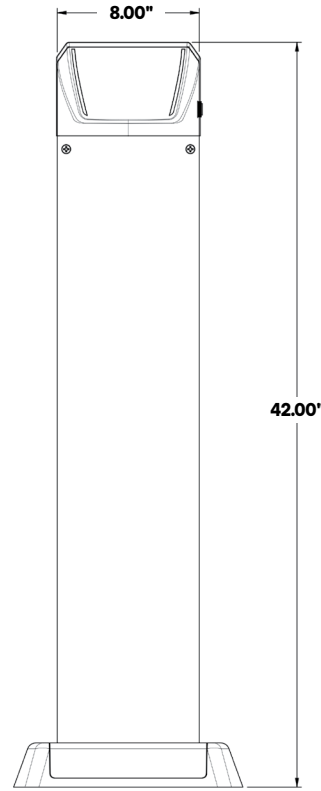
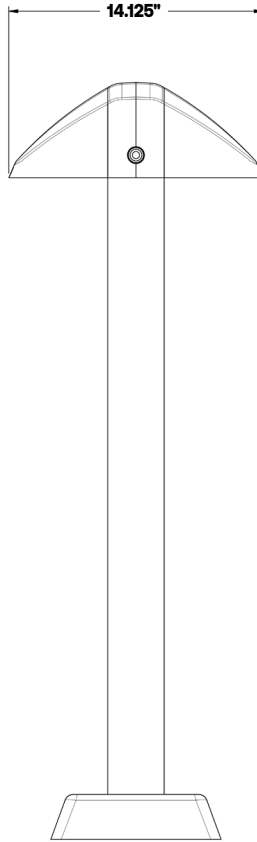
## DIMENSIONS



**VIPER SINGLE**



**VIPER DOUBLE**



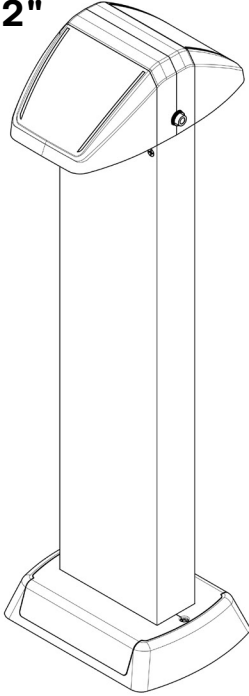
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LED BOLLARD

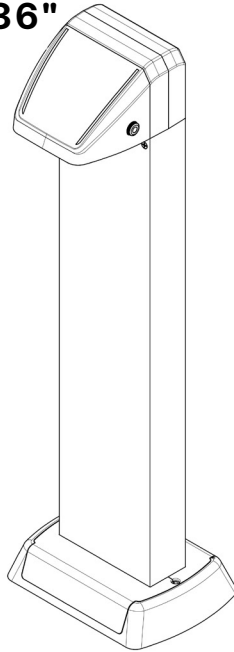
## BOLLARD HEIGHTS

SINGLE OR DOUBLE HEAD AVAILABLE IN ALL HEIGHTS

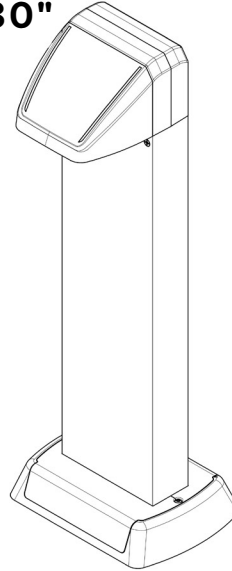
**42"**



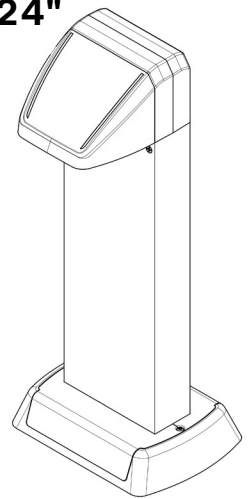
**36"**



**30"**



**24"**



## ANCHOR BOLT

