



Integrated with GFCI convenience outlets behind a lockable access door. Better for leak protection.



The Versatile Series Round Bollard features a simple and sleek design. It offers symmetric and asymmetric distributions in 20", 35" and 42" heights. House side shield is available. This bollard is an excellent choice for walkways, entrances, promenades, plazas, courtyards, driveways, bridges, and landscaped areas.

## TECHNICAL DATA

<b>Wattage</b>	14W, 24W
<b>CCT</b>	3000K, 4000K, 5000K
<b>Dimming</b>	1-10V Dimming is standard
<b>CRI</b>	70
<b>Input Voltage</b>	120-277V, 50/60Hz (Lamp Body) 16A, 125V, 60Hz (GFCI Receptacle)
<b>Projected Lifetime</b>	L70-100,000 Hours
<b>Operating Temp.</b>	-22°F to 122°F (-30°C to 50°C)
<b>Certifications</b>	cETL Listed RoHS compliant
<b>Power Factor</b>	>0.9 @120Vac
<b>Harmonic Distortion</b>	<20% at full load
<b>IP Rating</b>	IP65
<b>IK Rating</b>	IK10

## FEATURES

- Simple and sleek design.
- House side shield available.
- GFCI outlet is available.
- Emergency Battery Back-up and Microwave Motion Sensor are available.
- IP 65 rated for wet location.

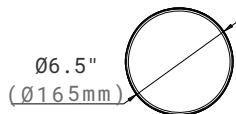
## SPECIFICATION

### Dimension

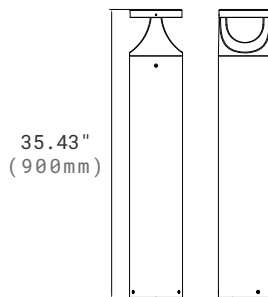
#### 35" Height

D: 6.5"  
H: 35.43"  
Max Weight: 15.4lbs  
EPA: 1.92ft<sup>2</sup>

### Top View

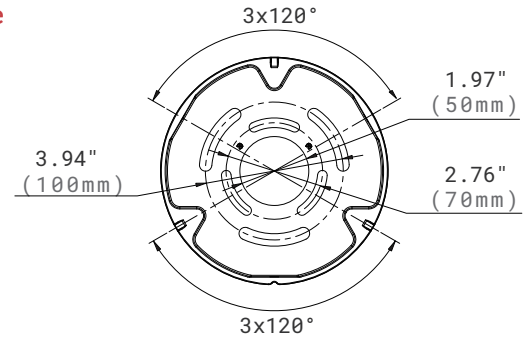


### Side View

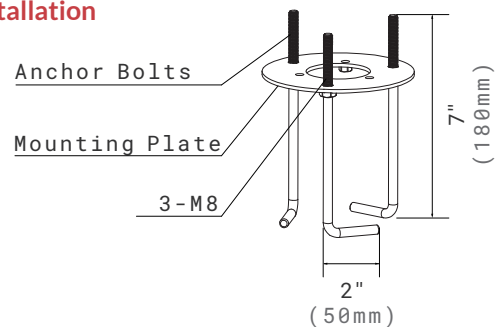


### Anchor Bolts

#### Template

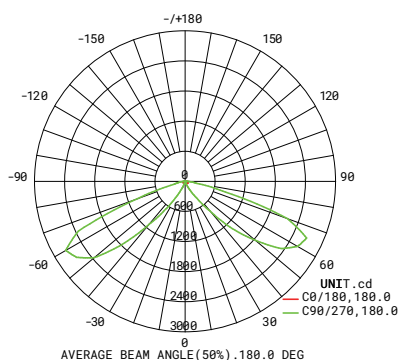


### Installation

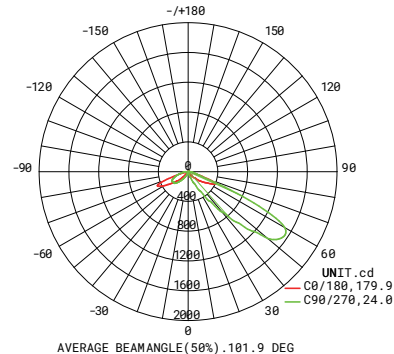


## PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Result may vary per actual order.



**Type V**



**Type III**

## ORDERING INFORMATION

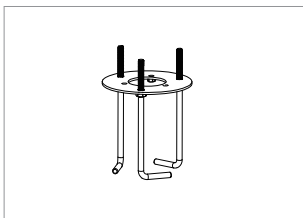
EXAMPLE: VBD-35H-24401-EBU-V-BK

VBD							
Series	Height	Wattage	CCT	Voltage	Control	Distribution	Finish
VBD Versatile Bollard	35H 35" Height	14 14W  24 24W	30 3000K  40 4000K  50 5000K	1 120-277V	EBU Emergency Battery Back-up <sup>1</sup>  MSW Microwave Motion Sensor <sup>2</sup>  GFCI GFCI Receptacle	V Type V  III Type III	BK <sup>3</sup> Black <sup>3</sup>

### NOTE:

1. It is for ambient temperatures of 32°F to 95°F (0 °C to 35°C). Emergency battery backup is available in 4W with 420lm and works for a minimum of ninety (90) minutes.
2. The sensor infrared dection can only be done from the direction where sensor is installed. Please check the default sensor setting at the last page. The RC-100 Remote Control can operate all sensor functions.
3. Standard finish is Black, Custom finish colors are available at an additional charge. Please contact Customer Service for details.

## ACCESSORIES(ORDERED SEPARATELY)



**90599**  
**ABMK03**  
 Anchor Bolts Mounting Kits.



**RC-100**  
 Remote Control for sensor.



**90750**  
**VBD-HSS-BK**  
 House Side Shield Black  
 Finish.

## PERFORMANCE DATA

Lumen values are measured by third party certified laboratories performed in accordance with IESNA LM-79-08 as well as Lighting Facts listed.

### Lumen Output

Wattage	Lumen Output	AC Input 120V	CRI	CCT	Distribution Type
14W	1680lm	0.12A	70	4000K	Type V
14W	1120lm	0.12A	70	4000K	Type III
24W	2520lm	0.20A	70	4000K	Type V
24W	1920lm	0.20A	70	4000K	Type III

### Lumen Multiplier

3000K	0.93
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## BUG RATING TABLE

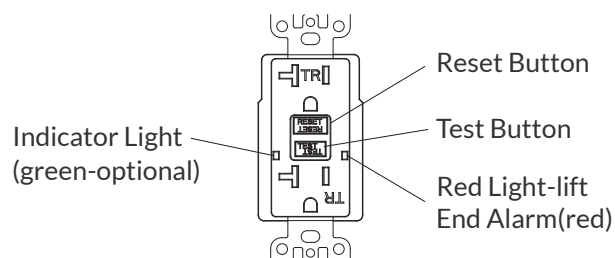
Performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory.

Model	BUG Rating
VBD24401-V	B2-U0-G1
VBD14401-V	B1-U0-G1
VBD24401-III	B1-U0-G1

## OUTLET (GFCI)

Integrated with GFCI convenience outlets behind a lockable access door. Better for leak protection. Convenient for outdoor power access.

16A 125VAC , 60Hz (GFCI receptacle).



## MICROWAVE DIMMING SENSOR

The sensor infrared detection can only be done from the direction where sensor is installed.



## MICROWAVE DIMMING SENSOR SETTING

Sensor data can be precisely set for each specific application by a remote controller which need to be bought separately.

### Detection Area

Detection area can be reduced by selecting the combination on the remote controller to fit precisely each application.

Optional Setting: 100%/75%/50%/25%

**Default Setting: 100%**

### Hold Time

Refers to the time period the lamp remains at 100% illumination after no motion detected.

Optional Setting: 10S/1min/5min/10min/15min/20min/30min/60min

**Default Setting: 5min**

### Stand-By Period

Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people.

When set to “+∞” mode, the low light is maintained until motion is detected.

Optional Setting: 1min/30min/60min/+∞

**Default Setting: +∞**

Notes: If just need ON/OFF function, please set the stand-by period in “0%” mode by the remote controller.

### Daylight Sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.

50lux, 30lux: twilight operation, 10lux, 5lux: darkness operation only.

Note that daylight sensor is active only when lamp totally switches off.

Optional Setting: 10lux/30lux/50lux/300lux/500lux/Disable

**Default Setting: 50lux**

### Stand-By Dimming Level

The low light level you would like to have after the hold time in the long absence of people.

Optional Setting: 10%/20%/30%/50%

**Default Setting: 30%**