



MODEL  
**VENUS**

TYPE  
**LED**

SERIES  
**BOLLARDS**

**ZUMA LIGHTING LLC**  
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# ORDERING INFORMATION

<b>Model VENUS</b>
<b>Type LED</b>
<b>Series Bollards</b>



*Round w/ dome top      Square w/ flat top      Round w/ flat top      Square w/ pyramid top*

FIXTURE	SIZE	TOP	SOURCE	VOLTS	LAMP / TEMP	COLOR
VEN-R = Round	8 = 8" dia. x 42"H	FT = Flat Top	8W	U = 120v-277v	3K = 3000K	DB = Dark Bronze
VEN-S = Square	10 = 10" dia. x 42"H	DT = Dome Top (round only)	10W	8 = 480v	4K = 4000K	BK = Black
	12 = 12" dia. x 42"H	PT = Pyramid Top (square only)	20W		5K = 5000K	WH = White
	CS = Custom size, consult factory	RT = Radius Top (round only)	30W			SL = Silver
			40W			WG1 = Woodgrain
						WG2 = Woodgrain
						WG3 = Woodgrain
						CC = Custom
LENS	LOUVERS	LOUVER COLOR	OPTIONS			
CA = Clear Acrylic	L1 = 45° cut-off louvers*	DB = Dark Bronze	SP = Surge protection			
FA = Frosted Acrylic	L2 = Horizontal louvers	BK = Black	CS = 180° Shield			
OA = Opal Acrylic	L3 = Vertical louvers	WH = White				
	<i>*only available on 8" dia.</i>	SL = Silver				
		CC = Custom Color				

# SPECIFICATIONS

## Housing

The Venus housing is manufacturing from a combination of cast, spun, and extruded aluminum alloys.

## Louvers

Rugged cast aluminum grilles, 360° around the bollard. The styles offered are horizontal, vertical, and 45° cutoff (only available on 8" bollards). The louvers are available in any standard or custom color finish.

## LED

EncapLED, an IP66-rated LED module system, combines optics and heat sink into one configurable unit which give precise light distribution. Available in either 360° or 180° pattern. It allows us to do 10w. increment adjustment on light output. The module achieves 110-120 lm/w efficacy with LUXEON LUMILEDS TX CHIPS. Beside maximizing heat dissipation surface, we also utilize convection-based heat management which creates additional air flow around each chip. Unlike a big metal heat sink where the temperature for the chips in the middle is higher than the rest, the heat of each EncapLED chip gets dissipated evenly. A better heat dissipation design keeps the junction temperature low and ultimately prolongs the life of the LED chips. Our modules are available in any of our fixture designs, as well as in a simple retro-fit kit form for existing fixtures.

## Lens

Lens is fabricated from acrylic. Specify clear, frosted, or opal lens.

## Mounting Options

Anchor base mounted. Three (4) 3/8" x 12" galvanized anchor bolts are supplied, complete with two each nuts and washers. The anchor base plate is made of heavy-duty steel.

## Finish

Thermoset polyester oven-baked powder coat, in any standard color. Custom colors are available to your specification.

This fixture is also available in a variety of our woodgrain finishes or rusty textured powder coat finish, shown below. Additional woodgrain finishes are available upon request.

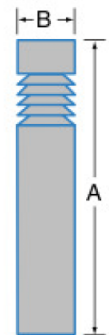


## Certificates & Warranty

- Suitable for Wet Locations
- 5-Year Warranty

## Dimensions

Size	A	B
8	42"	8"
10	42"	10"
12	42"	12"



\*Custom height available