



**ZUMALIGHTING**  
QUALITY OUTDOOR SOLUTIONS



MODEL

**Hasting Bollard**

TYPE

**LED**

SERIES

**Bollards**

**ZUMA LIGHTING LLC**

325 N LARCHMONT BLVD STE 406, LOS ANGELES, CA 90004

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# ORDERING INFORMATION

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



FIXTURE	SIZE	SOURCE	VOLTS	LAMP / TEMP	COLOR	LENS	OPTIONS
HAS (LED)	10 = 8"W. x 42"H  CH = Custom height, consult factory	20W 30W 40W 60W	U = 120v-277v  8 = 480v	3K = 3000K 4K = 4000K 5K = 5000K	DB = Dark Bronze  BK = Black  WH = White  SL = Silver  CC = Custom	FR = Frosted Acrylic  OP = Opal Acrylic	SP = Surge Protection

# SPECIFICATIONS

## Housing

The bollard is fabricated from a combination of ultra-thick, heavy duty cast aluminum and durable extruded aluminum.

## LED

EncapLED, an IP66-rated ETL and DLC listed LED module system, combines optics and heat sink into one configurable unit which give precise light distribution. Available in types II, III, IV & V. 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 frosted or opal lens.

## Mounting Options

Mounting kit with (3) 3/8" x 12" anchor bolts, included.

## Finish

Thermoset polyester oven-baked powder coat, in Dark Bronze. Custom colors are available to your specification.

## Warranty

5-year warranty

## Dimensions

