



ZUMALIGHTING
QUALITY OUTDOOR SOLUTIONS



MODEL
MAKENA

TYPE
LED BOLLARD

SERIES
ARCHITECTURAL

ZUMA LIGHTING LLC
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ORDERING INFORMATION



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FIXTURE	SIZE	SOURCE	VOLTS	LAMP / TEMP	COLOR	LENS	OPTIONS
MAK	45 = 45-½" H	24W 48W	U = 120v-277v 8 = 480v	3K = 3000K 4K = 4000K 5K = 5000K	DB = Dark Bronze BK = Black WH = White SL = Silver CC = Custom	CA = Clear Acrylic FA = Frosted Acrylic OA = Opal Acrylic	SP = Surge Protection SLED= Static Color LED* CLED = Color Changing LED* <i>*Consult factory for color LED options</i>

SPECIFICATIONS

Housing

The fixture housing is fabricated from a combination of heavy duty cast aluminum and spun aluminum.

LED

UNIVERSAL LED, UL listed LED modules and drivers, combined with a vertical heat sink and into one configurable unit which gives precise light distribution. It allows us to offer lumen adjustment on light output. These are 10CHIP, 500 LUMEN, 525 mA,,6v. 3.2watt per module, achieving 159 lumens per watt efficacy, 82CRI at 4000K. Beside maximizing heat dissipation surface, we also utilize convection-based heat management which creates additional air flow around the strips. Unlike a big metal heat sink where the temperature for the chips in the middle is higher than the rest, the heat of each of our modules gets dissipated evenly. This innovative heat dissipation design keeps the junction temperature low and ultimately prolongs the life of the LED strips. Our modules are covered by our standard 5-year warranty and are available in many of our fixture's designs. The drivers are dimmable 0-10v.

Lens

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

Mounting Options

Mounting kit containing (4) galvanized anchor bolts and (2) nuts & washers per bolt, included.

Finish

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

Certificates & Warranty

- ETL
- Suitable for Wet Locations
- 5-Year Warranty

Dimensions

