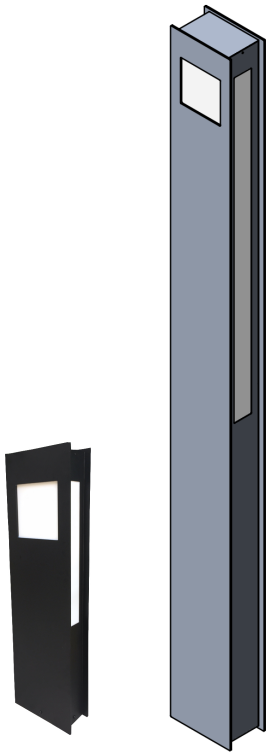
ZUMALIGHTING
QUALITY OUTDOOR SOLUTIONS



MODEL
MANHATTAN

TYPE
LED BOLLARD / COLUMN

SERIES
ARCHITECTURAL

ZUMA LIGHTING LLC
325 N LARCHMONT BLVD STE 406, LOS ANGELES, CA 90004
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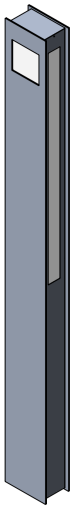
ORDERING INFORMATION

Model MANHATTAN
Type LED BOLLARD / COLUMN
Series Architectural



FIXTURE	SIZE	SOURCE	VOLTS	LAMP / TEMP	COLOR	LENS	OPTIONS
MAN-B (LED Bollard) MAN-C (LED Column)	48 = 48" (standard bollard height) **Specify any bollard height from 24" through 60"* ***Specify any column height from 72" through 192"*	10W 20W 30W 40W 50W* 60W* 70W* 80W* 90W* 100W* **Bollard wattages available 10W-40W.* *Column wattages available 10W – 100W*	U = 120v-277v 8 = 480v	3K = 3000K 4K = 4000K 5K = 5000K	DB = Dark Bronze BK = Black WH = White SL = Silver CC = Custom	FA = Frosted Acrylic OA = Opal Acrylic	D = 0 – 10V Dimming Driver SP = Surge Protection SLED= Static Color LED* CLED = Color Changing LED* 2L = Lens on front and rear sides of bollard/ column (wide side) **Consult factory for color LED options*

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SPECIFICATIONS

Housing

The fixture housing is fabricated from heavy duty extruded aluminum. The Top is fabricated from heavy duty spun 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.

Mounting Options

Mounting kit containing (4) 5/8" dia. galvanized anchor bolts and (2) nuts & washers per bolt, included.

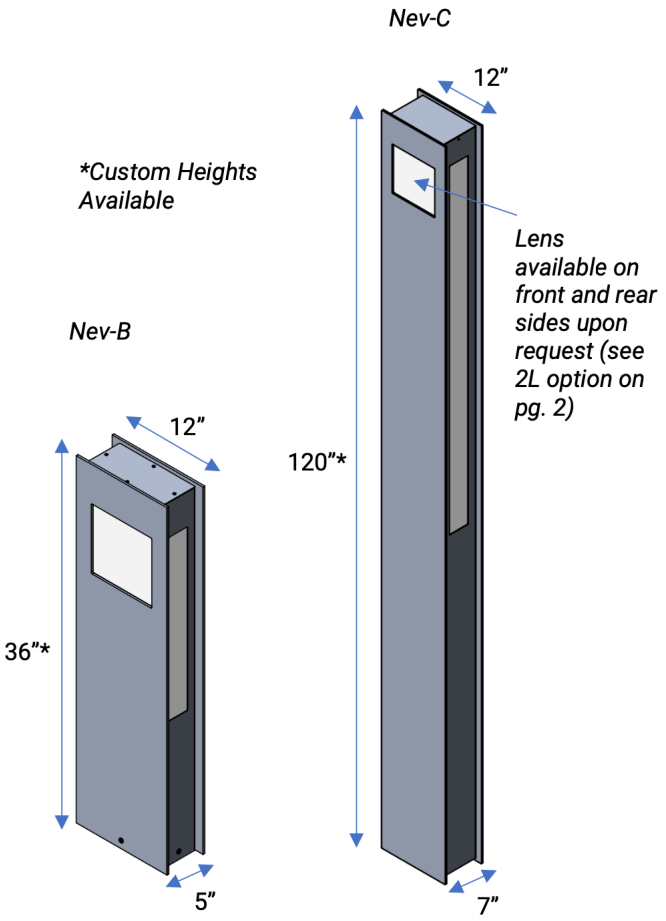
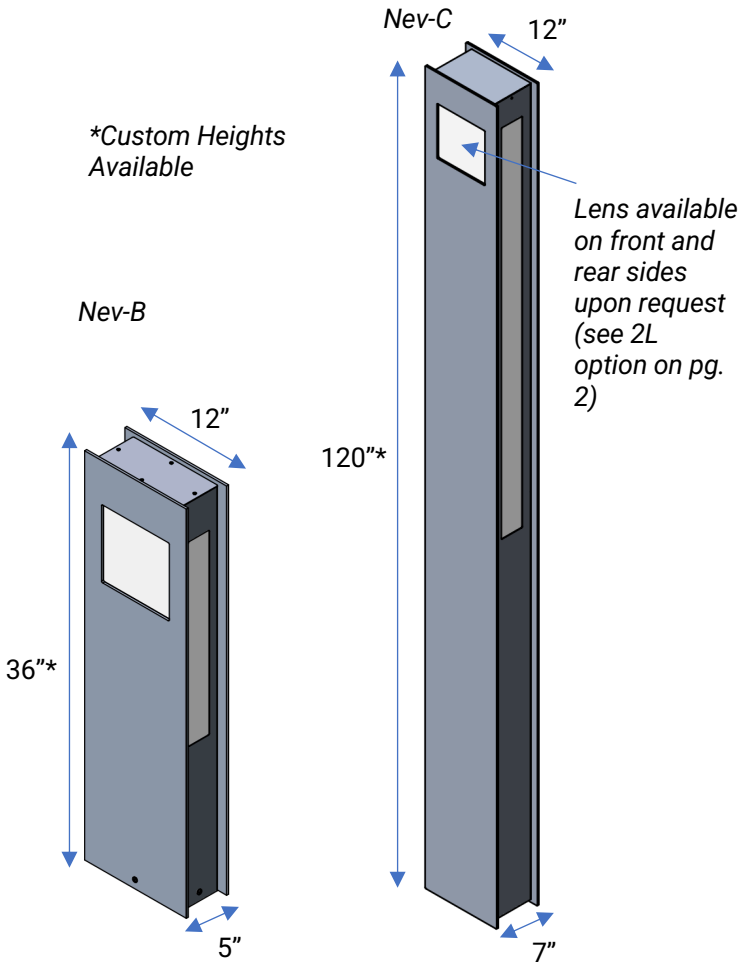
Finish

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

Certificates & Warranty

- DLC Listed
- ETL Verified
- Suitable for Wet Locations
- 5-Year Warranty

Dimensions



ACCESSORIES