



Outline reinterprets the familiar light column, communicating refinement and elegance with the robustness required for public space environments. A performance luminaire, a wayfinding element and an architectural detail, Outline is equally at home in the streetscape or on campus, throughout parks and public plazas, beautifully defining space through form and light.

Outline includes luminaires at 10', 12', and 4' heights, each with a selection of distribution options and lumen packages. At the pathlight scale, Outline's 4' illuminated bollard utilizes a directed optic designed to maximize on-center spacing and uniformity. The bollard is also offered in an unlit version to provide further options in space delineation.

Outline is Buy America Compliant and International Dark-Sky Approved.

## Housing & Materials

Cast and extruded aluminum construction, welded ground and finished for seamless transition. Factory sealed and replaceable machined aluminum LED cartridge with UV stable, impact resistant diffused acrylic lens. All hardware is magni-coated for optimum corrosion and 'anti-seize' protection.

## Electrical

Surge protected 120V - 277V 50/60Hz electronic driver located inside the pole. Non-dimming as standard, 0-10V dimming available upon request. -40°C start temperature.

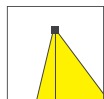
## Light Engine

Outline features a replaceable LED cartridge with die-cast aluminum heatsink, high power LEDs on a RoHS compliant circuit board, and secondary optics. All configurations are available in 2700K, 3000K, 3500K, and 4000K. >80CRI across all available color temperatures. Luminaires meet or exceed TM21 L70: >60,000 hrs

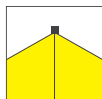
## Mounting

Outline bollard is mounted at grade using galvanized steel anchor bolts. Template and anchoring hardware included.

## Distributions



TIII



TV

## Warranty

LED lighting products are warranted for six years.

## Certification

UL Listed for Wet Location, International Dark Sky Approved, RoHS Compliant, Buy America Compliant



*Designed by Landscape Forms*

[Click here](#) for patent information related to this product.

Specification Sheet | DW100

Specification

Luminaire \_\_\_\_\_

Product

| Product                   | Color Temperature                                                                | Distribution                                 | Powdercoat                                                         |
|---------------------------|----------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------|
| DW101<br>(Unlit Bollard ) |                                                                                  |                                              | See powdercoat<br>color options on the<br>Material / Colors Sheet. |
| BW102<br>(Lit Bollard)    | 27K<br>(2700K)<br><br>30K<br>(3000K)<br><br>35K<br>(3500K)<br><br>40K<br>(4000K) | T3<br>( Type III )<br><br><br>T5<br>(Type V) |                                                                    |

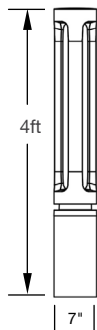
Example: DW102 – 27K – T3 – MBK

Modifications

Modifications listed are the most common changes/additions requested. If your requirements aren't shown here, select 'other' and write in the modification needed. Please provide as much detail as possible to streamline the quoting process. All modifications to standard products will require evaluation and quoting approved by Landscape Forms prior to order placement.

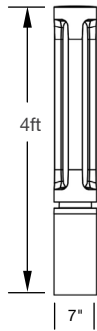
| Part Number | Modification               | Description |
|-------------|----------------------------|-------------|
| CPC         | Custom Powdercoat Color    |             |
| CLC         | Colored LED or Turtle Safe |             |
| --          | Other                      |             |

DW101 Luminaire Dimensions and weight



Weight: 28 lbs

DW102 Luminaire Dimensions and weight



Weight: 28 lbs

Luminaire Performance Data (3000K)

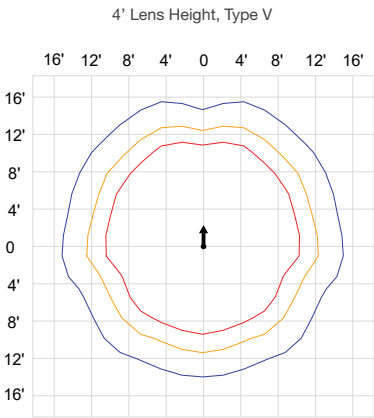
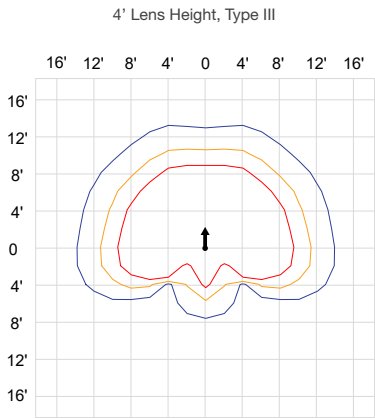
| Height | Distribution Type | Lumens | Efficacy (lm/W) | BUG Rating | Watts |
|--------|-------------------|--------|-----------------|------------|-------|
| 4'     | Type III          | 679    | 49              | B0-U0-G1   | 14    |
|        | Type V            | 1023   | 49              | B1-U0-G1   | 21    |

Lumen output scaling factors: 2700K (0.947), 3500K (1.046), 4000K (1.053)

4' Lit Bollard

Visual comfort light engine @ 3000K

1.0fc 0.5fc 0.2fc



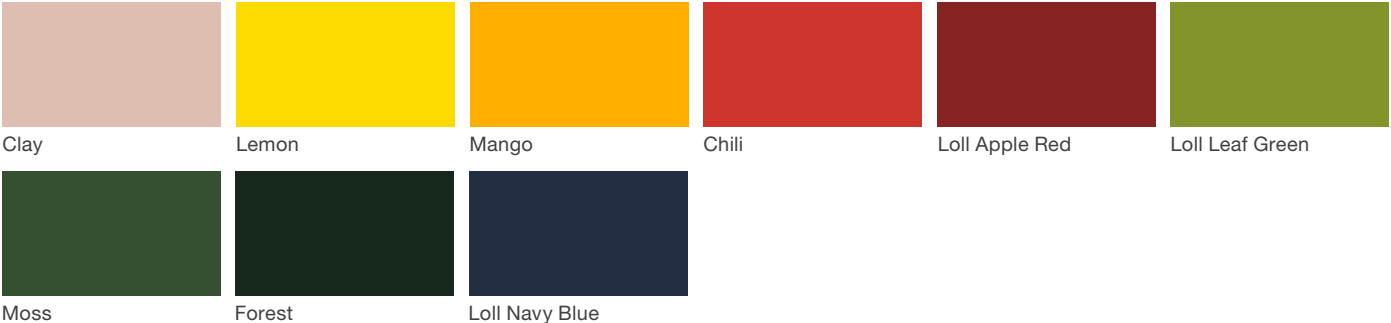
**Architectural Series - Powdercoated Metal\*** (Fine Texture)



**Neutral Series - Powdercoated Metal\***



**Vivid Series - Powdercoated Metal\*** (Fine Texture)



## Powdercoated Metal

Powdercoated Metal Pangard II® Polyester Powdercoat is a hard, yet flexible, finish that resists rusting, chipping, peeling and fading. In addition to colors shown, a wide selection of optional and custom colors may be specified for an upcharge.

\* All colors and patterns shown are approximate and may vary from sample and final.

*Visit [landscapeforms.com](https://landscapeforms.com) for more information.*

*Specifications are subject to change without notice.*

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