

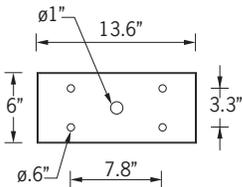
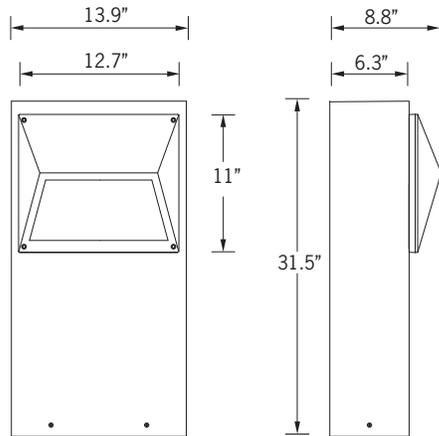
# UEC-10505

[LLTH: UEC-10601]

## Eco Bollard



22w LED 1,514 - 1,593 Lumens  
IP55 · Suitable For Wet Locations  
IK07 · Impact Resistant (Vandal Resistant)  
Weight 20.5 lbs



Mounting Detail

### Construction

#### Aluminum

Less than 0.1% copper content – Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength , clean detailed product lines and excellent heat dissipation.

#### Pre paint

8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

#### Memory Retentive -Silicon Gasket

Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

#### Thermal management

LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

#### Surge Suppression

Standard 10kv surge suppressor provided with all fixtures.

#### BUG Rating

B0 - U2 - G1

#### Finishing

All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

#### Paint

UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

#### MicroPRIM Finishes

MicroPRIM is Ligman's trade marked decorative powder coating technology that permanently infuses colors, patterns, or imagery directly into the surface of luminaires and poles while providing protections that standard powder coating does not offer.

MicroPRIM finishes include nature-inspired wood grains and stone aesthetics, material-inspired finishes such as brushed metal, concrete, and carbon fiber, Solid colors in Ligman standard colors, as well as any RAL or Pantone color, Decorative patterns, custom imagery and more.

#### Coating and Infusion Process

Metal components are pre-treated and powder coated with a proprietary polyurethane-based coating engineered for outdoor architectural use. Decorative patterns or imagery are then permanently infused into the cured powder coat through a heat-based process, creating a durable, integrated finish.

#### Performance and Validation

MicroPRIM finishes are suitable for indoor and outdoor applications and meet AAMA2605 architectural coating requirements. Performance is validated through laboratory and real-world testing to ASTM standards for UV exposure, adhesion, abrasion, impact, salt spray, chemical resistance, and graffiti resistance.

All MicroPRIM finishes are backed by Ligman's 10-year warranty.

#### Key Performance Attributes

- Anti-graffiti resistance
- UV and weather resistance
- Scratch and abrasion resistance
- Natorium Rated for installation in corrosive environments

#### Hardware

Provided Hardware is Marine grade 316 Stainless steel.

#### Anti Seize Screw Holes

Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

#### Opal Borosilicate Glass Lens

Provided with opal borosilicate impact resistant glass.

#### Optics & LED

Precise optic design provides exceptional light control and precise distribution of light.  
LED CRI > 80

#### Lumen - Maintenance Life

L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

## Robust urban bollard pathway and stair luminaire. Designed to deliver edge to edge task levels from a classic form-factor.

A range of rectangular bollards, with a regress lamp and excellent glare control. Suitable for illuminating pathways, driveways and squares. The spread lens provides a wide beam spread evenly illuminating up to 23ft of a pathway.

Low copper content die-cast aluminum housing with a high corrosion resistance. Stainless steel screws. Durable silicone rubber gasket and toughened linear spread lens. Housing is treated with a nickel and zinc phosphate protection before powder coating, ensuring high corrosion resistance.

Integral control gear. Anodized high purity aluminum reflector. Custom bollard heights are available, please specify. Custom wattages can be provided to suit customer and Title 24 requirements. (Specify total watts per fixture)

### Additional Options (Consult Factory For Pricing)



WT Wedge Top



### RGBW or Static Color Laser Cut Lettering, Logos & Designs (LLVT Bollard shown for visual reference)

Ligman can provide custom logos and signage in the Eco Bollard The images above show this feature in the Light Linear VT Bollard

PROJECT		DATE	
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QUANTITY		TYPE		NOTE	
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ORDERING EXAMPLE || UEC - 10505 - 22w - W30 - 02 - 120/277v - Options

UEC-10505					
LAMP	LED COLOR	FINISH COLOR	VOLTAGE		
22w LED 1,514 - 1,593 Lumens	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K	01 - BLACK RAL 9011 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL	120/277v		

### ADDITIONAL OPTIONS

- NAT - Natatorium Rated
- DIM - 0-10v Dimming
- WT - Wedge Top
- GFCI - GFCI Box
- HGT - Custom Bollard Height

### LASER CUT LETTERING

(Cannot be used in conjunction with security bollard)

SC - Static Color (Choose Color e.g Red, Blue etc.)

WORDS FRONT	WORDS BACK
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CONSULT FACTORY FOR CUSTOM DESIGNS, LOGOS AND OTHER SPECIAL REQUIREMENTS  
FACTORY DRAWINGS WILL BE PROVIDED PRIOR TO PRODUCTION

### More Custom Finishes Available Upon Request

Consult factory for pricing and lead times

#### MicroPRIM FINISHES

- SW01 - OAK FINISH
- SW02 - WALNUT FINISH
- SW03 - PINE FINISH
- DF - DOUGLAS FIR FINISH
- CW - CHERRY WOOD FINISH
- NW - NATIONAL WALNUT FINISH
- SU01 - CONCRETE FINISH
- SU02 - SOFTSCAPE FINISH
- SU03 - STONE FINISH
- SU04 - CORTEN FINISH
- CSM - Custom Image/Pattern

#### MicroPRIM FINISHES

- MP - MAPLE FINISH
- MHG - MAHOGANY FINISH
- BH - BEECH FINISH
- CN - CHESTNUT FINISH
- WMBL - WHITE MARBLE FINISH
- MBL - MARBLE FINISH
- GRNT - GRANITE FINISH
- BGD - BRUSHED GOLD FINISH
- BBRZ - BRUSHED BRONZE FINISH
- CAMO - CAMOUFLAGE FINISH

- MP01 - MicroPRIM RAL 9011 Black (Glossy)
- MP02 - MicroPRIM RAL 7043 Dark Grey (Glossy)
- MP03 - MicroPRIM RAL 9003 White (Glossy)
- MP04 - MicroPRIM RAL 9006 Metallic Silver (Glossy)
- MP05 - MicroPRIM RAL 9006 Matte Silver (Matte/Textured)
- MP06 - MicroPRIM Ligman Bronze (Glossy)
- MP07 - MicroPRIM Custom Color (Glossy)



Example: MicroPRIM Finish



# Eco Product Family



ECO 1

· UEC-40571-23w-769lm



ECO 2

· UEC-10505-22w- (1,514-1,593) lm