

# ULH-10593

## Lightsoft Mini 2



The innovative reflector technology of the Lightsoft bollard guarantees a high degree of efficiency and optimal visual comfort. Lightsoft has been developed to have excellent controlled downward light providing wide spacing ratios. It has three light shield accessories with different light distributions. The Lightsoft is available in a cylindrical or square shape design with two different heights.

The Lightsoft Bollard comes standard with a unique waterproof internal driver housing compartment that is situated at the top of the pole to stop water and dust from entering the electrical components. This fixture is supplied completely wired with powercord and waterproof gland from the driver enclosure to the base of the bollard ensuring quick trouble-free installation. Custom bollard heights are available, please specify.

Color temperature 2700K, 3000K and 4000K.

Custom wattages can be provided to suit customer and Title 24 requirements. (Specify total watts per fixture)

All Ligman fixtures can be manufactured using a special pre-treatment and coating process that ensures the fixture can be installed in natatoriums as well as environments with high concentrations of chlorine or salt and still maintain the 5 year warranty. For this natatorium rated process please specify NAT in options.

**Security Bollard: (See Lightsoft 1)**

The Lightsoft Bollard is available as a traffic rated security bollard. This optional design includes a 1/4" wall thickness galvanized steel security pole with qty. 2 solid 1" galvanized steel cross support rods that are embedded into concrete. This security bollard provides restraint of vehicular traffic in unauthorized areas.

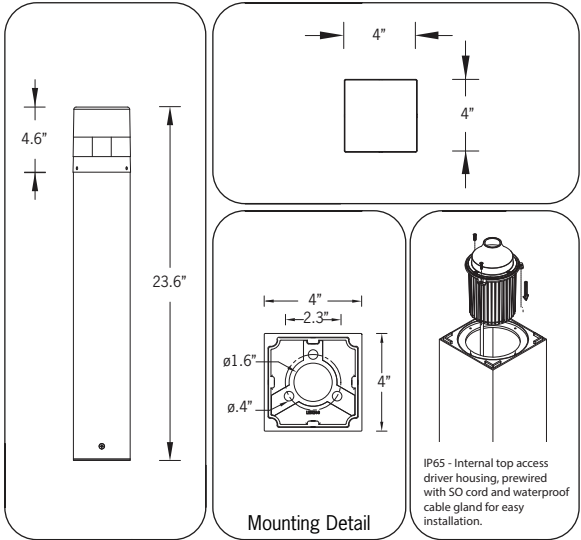
Impact calculations shows this bollard will stop a 5,500lb vehicle, travelling at 30mph.

For additional strength, the galvanized pole can be filled with concrete up to the waterproof driver housing to provide a solid concrete barrier.

### Physical Data

Length • 4"  
Height • 23.6"  
Weight • 9lbs

IP65 • Suitable For Wet Locations  
IK04 • Impact Resistant (Vandal Resistant)



**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 - G0

**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.  
Bollard is powdercoated internally for additional protection.

**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.

**High Impact Acrylic Lens.**  
Manufactured with Ultra High Impact, Naturally UV Stabilized Extruded Acrylic.

**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)

### Standard Options

<b>Lamp</b>	<b>LED Color</b>
14w LED	W27 • 2700K
346 Lumens	W30 • 3000K
	W40 • 4000K

<b>Finish Color</b>
01 - Black - RAL 9011
02 - Dark Grey - RAL 7043
03 - White - RAL 9003
04 - Metallic Silver - RAL 9006
05 - Matte Silver - RAL 9006
06 - Bronze - RAL 6014
07 - Custom RAL

### Options (Consult Factory for Pricing)

DIM - 0-10v Dimming
HGT - Custom Height, Please Specify
NAT - Natatorium & High Corrosion Environments

Ordering Example : ULH - 10593 - 14w - W30 - 02 - 120/277v - Options

ULH	10593	Lamp	14w LED	LED Color	Color	Voltage	Options
			W27 2700K W30 3000K W40 4000K	01 Black 02 Dark Grey 03 White 04 Metallic Silver 05 Matte Silver 06 Bronze 07 Custom RAL	120/277v Other (Specify)	DIM 0-10v Dimming HGT Custom Height NAT Natatorium Rated	

PROJECT:  DATE:  QUANTITY:

TYPE:  NOTE:

