

ULH-10603

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.

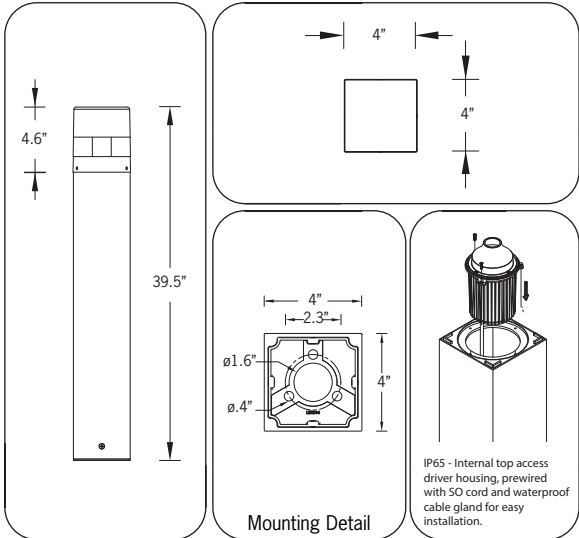
Impact calculations shows this bollard will stop a 5,500lb vehicle, travelling at 30mph.

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 • 39.5"
Weight • 10lbs

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 thermal 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

| | |
|-------------|------------------|
| Lamp | LED Color |
| 14w LED | W27 • 2700K |
| 346 Lumens | W30 • 3000K |
| | W40 • 4000K |

| |
|---------------------------------|
| Finish Color |
| 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 - 10603 - 14w - W30 - 02 - 120/277v - Options

| | | | | | | | |
|-----|-----------|--------------------|-----------------|-------------------|---------|---------|--|
| ULH | 10603 | Lamp | LED Color | Color | Voltage | Options | |
| | 14w LED | | | | | | |
| | W27 2700K | 01 Black | 120/277v | DIM 0-10v Dimming | | | |
| | W30 3000K | 02 Dark Grey | Other (Specify) | HGT Custom Height | | | |
| | W40 4000K | 03 White | | | | | |
| | | 04 Metallic Silver | | | | | |
| | | 05 Matte Silver | | | | | |
| | | 06 Bronze | | | | | |
| | | 07 Custom RAL | | | | | |
| | | | | | | | |

PROJECT: DATE: QUANTITY:

TYPE: NOTE:

