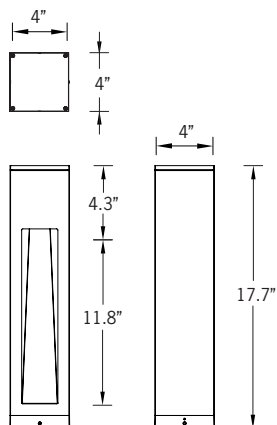


ULB-10851

LBX 5 Small Bollard



14w COB 453 Lumens
IP65 • Suitable For Wet Locations
IK09 • Impact Resistant (Vandal Resistant)
Weight 5.7 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 degerate 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 - U3 - 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.

Inspired by Nature Finishes

The Inspired by nature Finishing is a unique system of decorative powder coating. Our metal decoration process can easily transform the appearance of metal or aluminum product into a wood grain finish.

This patented technology enables the simulation of wood grain, and even marble or granite finish through the use of decorative powder coating.

The wood grain finish is so realistic that it's almost undistinguishable from real wood, even from a close visual inspection. The system of coating permeates the entire thickness of the coat and as a result, the coating cannot be removed by normal rubbing, chipping, or scratching.

The Coating Process

After pre-treatment the prepared parts are powder coated with a specially formulated polyurethane powder. This powder provides protection against wear, abrasion, impact and corrosion and acts as the relief base color for the finalized metal decoration.

The component is then wrapped with a sheet of non-porous film with the selected decoration pattern printed on it using special high temperature inks.

This printed film transfer is vacuum-sealed to the surface for a complete thermo print and then transferred into a customized oven. The oven transforms the ink into different forms within the paint layer before it becomes solid. Finally, the film is removed, and a vivid timber look on aluminum remains.

Wood grain coating can create beautiful wood-looking products of any sort. There are over 300 combinations of designs currently in use. Wood grains can be made with different colors, designs, etc.

Our powder coatings are certified for indoor and outdoor applications and are backed by a comprehensive warranty. These coatings rise to the highest conceivable standard of performance excellence and design innovation.

Added Benefits

- Resistance to salt-acid room, accelerated aging
- Boiling water, lime and condensed water resistant
- Anti-Graffiti, Anti-Slip, Anti-Microbial, Anti-Scratch
- Super durable (UV resistant)
- TGIC free (non-toxic)

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.

Crystal Clear Low Iron Glass Lens

Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

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)

Contemporary wayfinding fixture for glare free visual comfort. Sophisticated design that looks beautiful in both daytime and night time.

A range of attractive rectangular bollards, with a regressed LED that provides excellent glare control and visual comfort. Suitable for illuminating pathways, driveways and squares.

This bollard's light distribution is forward projecting, and therefore provides an excellent solution where light trespass behind the luminaire is an issue.

This small profile bollard is provided complete with integral driver housed within a waterproof driver compartment to prevent water ingress. The fixture is supplied fully wired with power cord down to the base of the fixture that facilitates easy installation. This luminaire can be manufactured in different heights to suit customer specific requirements, please contact the factory for more details.

The LBX is also available in a 6" and 7" square bollard. For the 6" square bollard, see ULB-10842, and for the 7" square bollard, see ULB-10861



ULB-10851

LBX 5 Small Bollard

PROJECT		DATE	
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QUANTITY		TYPE		NOTE	
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ORDERING EXAMPLE || ULB - 10851 - 14w - W30 - 02 - 120/277v - Options

ULB-10851				
LAMP	LED COLOR	FINISH COLOR	VOLTAGE	
14w COB 453 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 Other - Specify	

- INSPIRED BY NATURE 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

THERE IS AN ADDITIONAL COST FOR THESE FINISHES

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ADDITIONAL OPTIONS

- NAT - Natatorium Rated
- HGT - Custom Bollard Height
- FNF - Front Face Nature Finish



FNF
Front Face Nature Finish



Example: Inspired by Nature Finish

Custom Finishes Available Upon Request
Consult factory for pricing and lead times

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|-----|--------|------|-------|--------|-------|--------|----------|----------|--------|------------|-------|
| | | | | | | | | | | | |
| Oak | Walnut | Pine | Beech | Bamboo | Birch | Cherry | Chestnut | Mahogany | Carbon | Galvanized | Steel |



LBX Product Family



LBX 1

• ULB-40435-2w-39lm



LBX 5

• ULB-10851-14w-453lm [4"x4", 17.7"]



LBX 6

• ULB-10842-21w-900lm [6.3"x6.3", 31.4"]



LBX 7

• ULB-10861-27w-1553lm [7.3"x7.3", 31.4"]