UCN-10247
Concord 2 Bollard

LIGMAN
LIGHTING   USA

41w COB 245 Lumens
IP65 • Suitable For Wet Locations
IK10 • Impact Resistant (Vandal Resistant)
Weight 18.7 lbs

10"

41.1"

Dome Top

9.3"

6.3"

Flat Top

1"

Ø6"

Ø0.66"
Ø2.1"   2.4"

Mounting Detail

IP65 - Internal top access driver housing, prewired with SO cord and waterproof cable gland for easy installation.
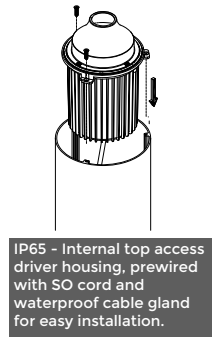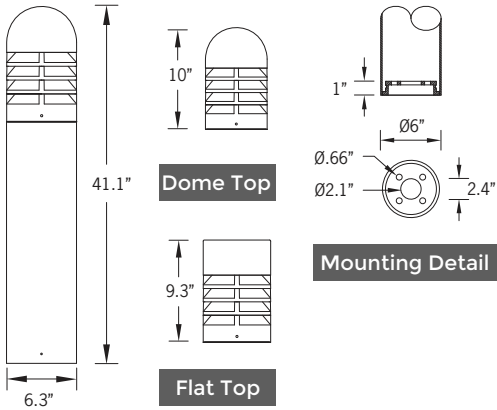
Construction

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
B1 - U0 - 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. 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.

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)

Shielded classic bollard luminaire.
Completely shielded simple lines, a modern twist on the characteristic cannon bollard form.

A decorative bollard with a symmetrical light distribution. This LED bollard is developed to complement the Concord range of pillar lights. Designed for various applications including high vandal areas, entrances, gardens, precincts and pathways.
Extruded aluminum column and low copper content die cast housing with high corrosion resistance. Stainless steel screws. Durable silicone rubber gasket and clear impact resistant UV stabilized polycarbonate diffuser.
Custom bollard heights are available, please specify.- Custom wattages can be provided to suit customer and Title 24 requirements. (Specify total watts per fixture)
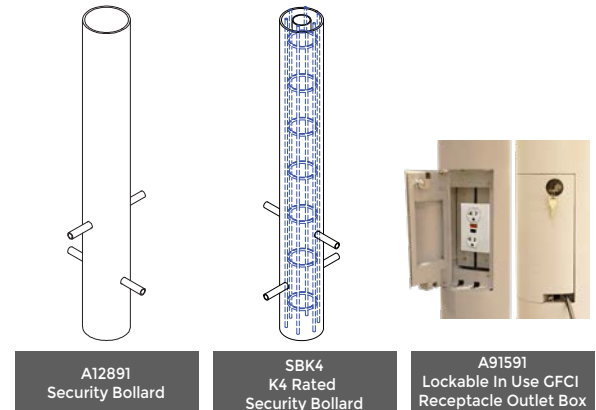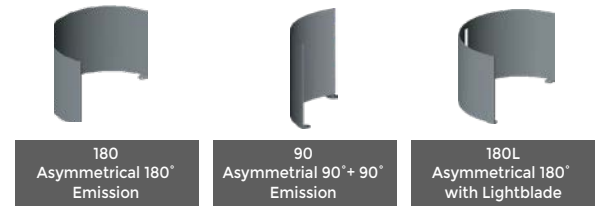
Security Bollard:
This Bollard is available as a traffic rated security bollard. This optional design includes a 1/4" wall thickness galvanized steel security pole with 2 1" galvanized cross support rods that are embedded into concrete.

The standard security bollard provides restraint of vehicular traffic in unauthorized areas.
Impact calculations shows this bollard will stop a 5,500lb/2.75 tons vehicle, travelling at 30mph.
For additional strength, the galvanized must be filled with concrete up to the waterproof driver housing to provide a solid concrete barrier.

A K4 rated security bollard is also available. This bollard is provided with internal reinforcement and is to be filled with concrete at the job site by others. This bollard will stop a 15,000lb vehicle traveling at 30mph.

Additional Options (Consult Factory For Pricing)

180 Asymmetrical 180˚ Emission	90 Asymmetrial 90˚+ 90˚ Emission	180L Asymmetrical 180˚ with Lightblade

A12891 Security Bollard	SBK4 K4 Rated Security Bollard	A91591 Lockable In Use GFCI Receptacle Outlet Box

PROJECT		DATE	

QUANTITY		TYPE		NOTE	

ORDERING EXAMPLE || UCN - 10247 - 41w - 1 - W30 - 02 - 120/277v - Options

UCN-10247

	LAMP	TOP	LED COLOR	FINISH COLOR	VOLTAGE

LAMP

41w COB
245 Lumens

TOP

1 - Dome Top

2 - Flat Top

LED COLOR

W27 - 2700K
W30 - 3000K
W35 - 3500K
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 - LIGMAN BRONZE

07 - CUSTOM RAL

THERE IS AN ADDITIONAL COST FOR CUSTOM COLORS

VOLTAGE

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 INSPIRED BY NATURE FINISHES

ADDITIONAL OPTIONS
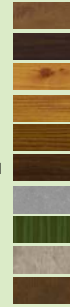
DIM - 0-10v Dimming
NAT - Natatorium Rated
HGT - Custom Height
(SPECIFY HEIGHT)

GFCI - GFCI Box

180 - 180° Emission
90 - 90°+ 90° Emission
180L - 180° Emission w/ Lightblade
A91591 - Lockable In Use GFCI Receptacle Outlet Box

A91591
Lockable In Use GFCI
Receptacle Outlet Box

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

Oak

Cherry

Beech

Carbon

Walnut

Chestnut

Bamboo

Galvanized

Pine

Mahogany

Birch

Steel

Example: Inspired by Nature Finish

ETL
c us
Intertek