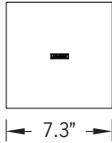# ULH-10675
Lightsoft 2 Square Bollard

LIGMAN LIGHTING USA

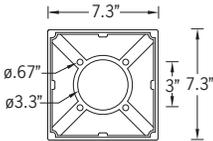**TURTLE FRIENDLY**
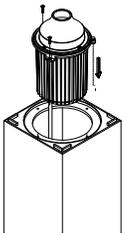
27w LED 1050 Lumens
IP65 · Suitable For Wet Locations
IK08 · Impact Resistant (Vandal Resistant)
Weight 16 lbs

7"
23.6"
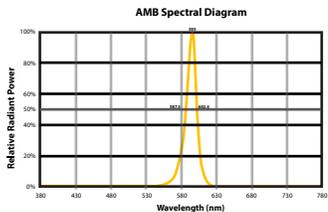7.3"

Top View

7.3"
ø.67"
ø3.3"
3" 7.3"
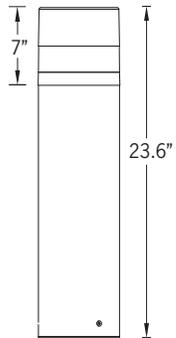
Mounting Detail

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

CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT

AMB Spectral Diagram

Relative Radiant Power
100%
80%
60%
50%
40%
20%
0%
380 430 480 530 580 630 680 730 780
Wavelength (nm)

Narrow-Spectrum Amber LEDs
Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.t

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 - 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.

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
•Natatorium 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.

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)

Indirect light-emitting bollard range.
Smooth and sharp devised bollard family with wonderful soft controlled lighting options.

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, 3500K 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 Ligman's 10-year warranty. For this natatorium rated process please specify NAT in options.

NOTE: This product is available with integrated occupancy sensor detection, please see page 2 for more information.

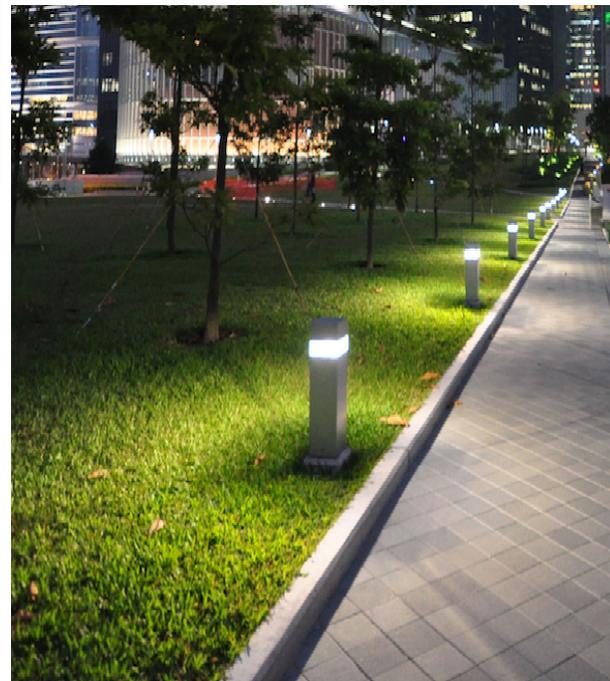## Additional Options (Consult Factory For Pricing)

Occupancy Sensor	A10731 180° Light Shield	A10831 90° Light Shield	A91591 Lockable In Use GFCI Receptacle Outlet Box

PROJECT		DATE	
QUANTITY		TYPE		NOTE	

ORDERING EXAMPLE || ULH - 10675 - 27w - W30 - 02 - 120/277v - Options

ULH-10675			
	LAMP	LED COLOR	FINISH COLOR	VOLTAGE

LAMP

27w LED
1050 Lumens

LED COLOR

W27 - 2700K
W30 - 3000K
W35 - 3500K
W40 - 4000K
AMB - TURTLE FRIENDLY
Amber LED

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

VOLTAGE

120/277v

OCCUPANCY SENSOR OPTION
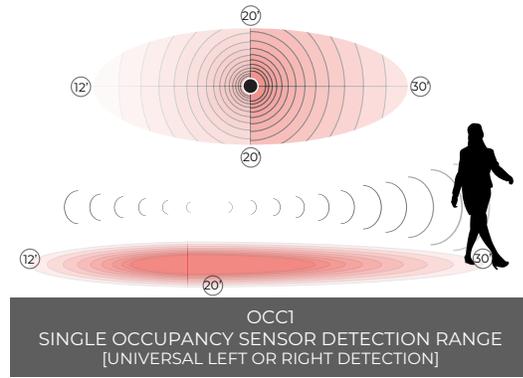
OCC1
SINGLE OCCUPANCY SENSOR DETECTION RANGE
[UNIVERSAL LEFT OR RIGHT DETECTION]

ADDITIONAL OPTIONS

GFCI - GFCI Box
NAT - Natatorium Rated
DIM - 0-10v Dimming
SB - Security Bollard
RSB - Reinforced Security Bollard
HGT - Custom Bollard Height
[Specify HGT=XX"]

OCC1 - Single Occupancy Sensor
A91591 - Lockable In Use GFCI Receptacle Outlet Box
A14291 - Remote Controller for Occupancy Sensor
A10731 - 180° Light Shield
A10831 - 90° Light Shield

* The integrated, smart occupancy sensor can be programmed on site to function in a variety of ways.

Example: Simple on-off mode || DIM -> full light output on detection -> DIM | Off -> full bright on detection -> DIM for a set time with no detection -> off | DIM -> full bright on detection ->DIM

More Custom Finishes Available Upon Request

THERE IS AN ADDITIONAL COST FOR THESE FINISHES

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)
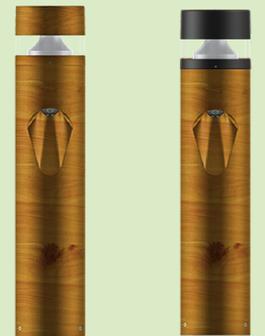
MicroPRIM Finish + Two-Tone Style

10 YEAR WARRANTY
LIGMAN LIGHTING USA

ETL
c   us
Intertek

Lightsoft Product Family

Lightsoft 1
- ULH-10655-27w-1188lm [23.6"]
- ULH-10665-27w-1188lm [39.3"]

Lightsoft 2
- ULH-10675-27w-1050lm [23.6"]
- ULH-10685-27w-1050lm [39.3"]

Lightsoft 3
- ULH-10573-14w-447lm [23.6"]
- ULH-10583-14w-447lm [39.3"]

Lightsoft 4
- ULH-10593-14w-346lm [23.6"]
- ULH-10603-14w-346lm [39.3"]

Lightsoft 5
- ULH-31146-14w-447lm

Lightsoft 6
- ULH-31156-14w-346lm