

# UBIU-90001-83w

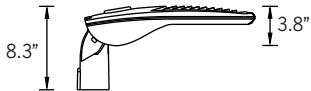
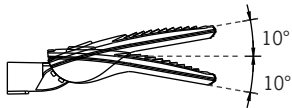
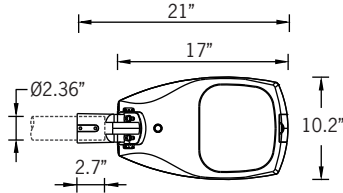
[LLTH: UBIU-90044]

## Billund 1 Small Head Streetlight



83w - 11,124 Lumens  
 IP66 · Suitable For Wet Locations  
 IK09 · Impact Resistant (Vandal Resistant)  
 EPA - 0.040m<sup>2</sup> → 0.43 ft<sup>2</sup>  
 Weight - 10 lbs

**integrated 90° field adjustable arm for mounting on horizontal or vertical tenons. For mounting on 2.36" tenon only.**



### 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**  
 Contact Factory

**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)

## Pole mounted contemporary area lighting family. Modern and powerful high-end, optimum-quality area lighting projectors.

A slim modern style, high pressure die-cast pole mounted area light with a variety of different light distributions to suit all lighting designer's requirements. This luminaire has been designed to provide excellent light distribution patterns using highly efficient LED packages and optics. The result is excellent spacing to mounting height ratios, with a uniform lighting layout that meets code requirements using less energy.

The Billund can be utilized to suit specific light patterns using the asymmetrical type II, III, IV and ME optics, as well as variations of these for precise light distribution requirements. An example of this is using a combination of Type II & Type IV distribution optics inside the same fixture.

To meet International Dark Sky criteria, 3000k or warmer LEDs must be selected and luminaire fix mounted (+/- 15° allowable to permit leveling).

Designed for lighting private roadways, car parks, exhibition areas, service stations and truck stops. Internal house side shields are available as an option.

Available with a selection of integral electronic and dimmable electronic drivers.

(WATT-ADJUST) This luminaire is provided with a programmable driver so that specific wattage requirements can be achieved. These settings are done at the factory during assembly.

### Additional Options (Consult Factory For Pricing)



A90991  
Zhaga Book 18



A90891  
NEMA 7



LIGHCONNECT IoT Ready Billund

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PROJECT					DATE	
QUANTITY		TYPE		NOTE		

ORDERING EXAMPLE || UBIU - 90001 - 83w - T2 - W30 - 02 - 120/277v - Options

UBIU-90001-83w					
LAMP	BEAM	LED COLOR	FINISH COLOR	VOLTAGE	
83w LED 11,124 Lumens	M - Medium Beam 31° W - Wide Beam 56° EW - Extra Wide Beam 106° x 113° T1 - Type I Distribution T2 - Type II Distribution T3 - Type III Distribution T4 - Type IV Distribution T5 - Type V Distribution ME - Type ME Distribution SCL - Type SCL Distribution	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K AMB - <b>TURTLE FRIENDLY</b> Amber LED	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	

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### ADDITIONAL OPTIONS

- NAT - Natatorium Rated
- DIM - 0-10v Dimming
- GAWM - Gantry Arm Wall Mount
- A90991-U - Zhaga Book 18 Mounted On Top of Fixture
- A90991-D - Zhaga Book 18 Mounted Below Fixture
- A90891 - NEMA 7

### More Custom Finishes Available Upon Request

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

