

# UAB-30041

## Abacus 7 Small



### 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.

**BUC Rating**  
B0 - U1 - 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.

### 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)

## Surface-mounted slim integral-driver wall luminaires. Beautiful and contemporary surface wall fixtures suitable for any location.

A range of shallow ADA compliant square, rectangular and circular wall mounted luminaires providing downward Dark Sky compliant light distributions. Ideally suited to illuminate the wall and surfaces in front of the wall, as well as light accents on vertical surfaces using high efficiency LEDs.

The Abacus is suitable for indoor and outdoor applications and provides a clean, visually appealing solution for small, unobtrusive wall mounted luminaires. This surface mounted luminaire is available in 3 different shapes, as well as bollard combinations.

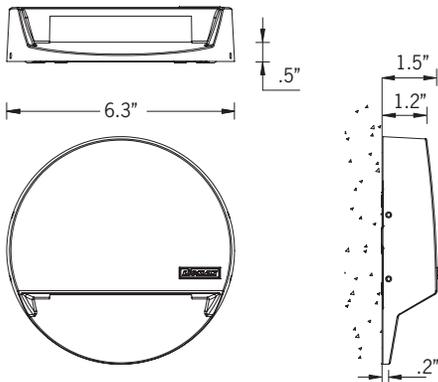
The surface mounted Abacus is manufactured to cover a 3" and 4" junction boxes and is provided with the necessary fixing plates to simplify installation.

This product is provided with integral driver and special gasketing to ensure no water enters the luminaire. A specially designed cover plate can be provided to cover existing redundant step light installations that are no longer suitable, please contact factory for drawings and more information.

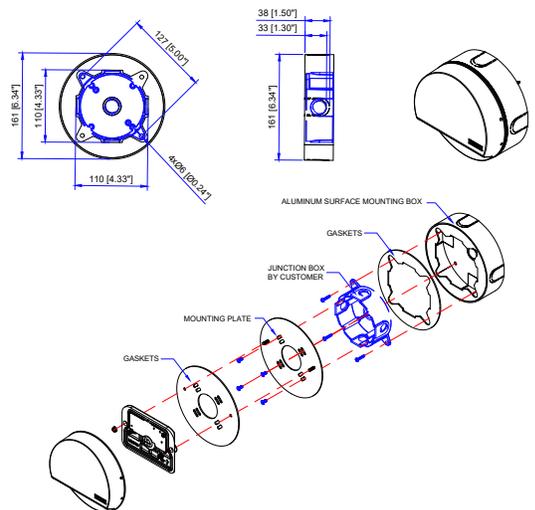
All Ligman fixtures can be manufactured using a special pre-treatment and coating process that ensures the fixture can be installed in natatoriums as well as environments with high concentrations of chlorine or salt and still maintain Ligman's 10-Year warranty.

For this natatorium rated process please specify NAT in options.

7w LED 329 Lumens  
IP65 · Suitable For Wet Locations  
IK09 · Impact Resistant (Vandal Resistant)  
Weight 2 lbs



### Additional Options (Consult Factory For Pricing)



SCBT  
Surface Conduit Box Trim

NOTE: This trim covers a shallow single gang, surface mount junction box [Provided by contractor]  
Example: Hubbell: - 5361-0 - 1-Gang Weatherproof Box, Five 1/2" in. Threaded Outlets - or - 5372-0 - 1-Gang Weatherproof Box, Five 3/4 in. Threaded Outlets



PROJECT		DATE	
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QUANTITY		TYPE		NOTE	
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ORDERING EXAMPLE || UAB - 30041 - 7w - W30 - 02 - 120/277v - Options

UAB-30041				
LAMP	LED COLOR	FINISH COLOR	VOLTAGE	
7w LED 329 Lumens	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K			

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### ADDITIONAL OPTIONS

- NAT - Natatorium Rated
- FNF - Front Face Nature Finish
- SCBT - Surface Conduit Box Trim

## 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



# Abacus Product Family



Abacus 1

· UAB-30001-11w-7831m



Abacus 2

· UAB-30002-11w-7831m



Abacus 3

· UAB-30003-11w-7831m



Abacus 4

· UAB-10001-11w-7831m [19.6"]  
· UAB-10021-2x11w-2x7831m [19.6"]  
· UAB-10011-11w-7831m [39.3"]  
· UAB-10031-2x11w-2x7831m [39.3"]



Abacus 5

· UAB-10041-11w-7831m [19.6"]  
· UAB-10061-2x11w-2x7831m [19.6"]  
· UAB-10051-11w-7831m [39.3"]  
· UAB-10071-2x11w-2x7831m [39.3"]



Abacus 6

· UAB-30031-7w-3231m



Abacus 7

· UAB-30041-7w-3231m