UMA-31622

Mar 9 Surface





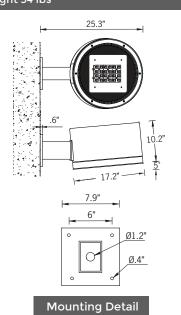




IP55 • Suitable For Wet Locations

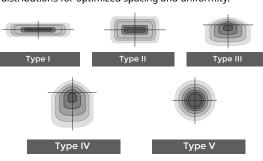
54w LED 6666 Lumens

IK07 • Impact Resistant (Vandal Resistant) Weight 34 lbs

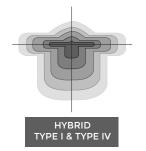




Ligman's micro Variable Optical System provides the ability to interchange, mix & rotate optics to provide specific light distributions for optimized spacing and uniformity.



The variable optic system allows for the designer to create hybrid distributions for precise lighting requirements.



Construction

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

I M6 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

<u>Surge Suppression</u> Standard 10kv surge suppressor provided with all fixtures.

BUG Rating

Finishing

All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

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

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

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 There are over 300 combinations of designs 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.

- 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)

<u>Hardware</u> Provided Hardware is Marine grade 316 Stainless steel.

<u>Anti Seize Screw Holes</u>
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

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

Precise optic design provides exceptional light control and precise distribution of light.

<u>Lumen - Maintenance Life</u> L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Circular surface wall-mounted area downlight. Quintessential wolf in sheep's clothing; street lighting performance hidden inside urban lighting form.

This cylindrical shaped wall mounted luminaire designed to complement the Mar streetlight. This fixture is available in 40w and 58w versions with Type II, III & IV distributions, as well as Type V distribution in a medium, wide, very wide and extra wide beam spreads.

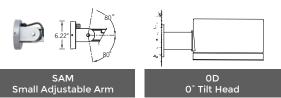
The high ingress protection allows these luminaires to be wall mounted for upward or downward lighting. The Mar can be aimed to suit specific light patterns with the adjustable arm. These fixtures can be provided with internal optic variations for precise light distribution requirements. An example of this is using a combination of using Type II and Type IV distribution optics inside the same fixture.

This fixture can be aimed by tilting the housing using one of the two specifiable options of wall mount brackets, namely the stirrup bracket or small adjustable arm. Other options include; frosted lens, integral photo cell and occupancy sensor.

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 the 5 year warranty. For this natatorium rated process please specify NAT in options.

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

Additional Options (Consult Factory For Pricing)





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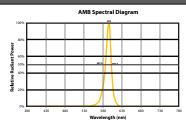
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PROJECT DATE QUANTITY NOTE **TYPE** ORDERING EXAMPLE | UMA - 31622 - 54w - M - W30 - 02 - 120/277v - Options UMA-31622 **LAMP BEAM LED COLOR FINISH COLOR VOLTAGE** 54w LED M - Medium 30° W27 - 2700K 🥮 01 - BLACK RAL 9011 120/277v 6666 Lumens W - Wide 52° W30 - 3000K 02 - DARK GREY RAL 7043 Other - Specify VW - Very Wide 64° W35 - 3500K 03 - WHITE RAL 9003 EW - Extra Wide 108° W40 - 4000K 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 T1 - Type I Distribution T2 - Type II Distribution 06 - LIGMAN BRONZE T3 - Type III Distribution 07 - CUSTOM RAL T4 - Type IV Distribution **INSPIRED BY NATURE FINISHES** SW01 - OAK FINISH SW02 - WALNUT FINISH SW03- PINE FINISH DF - DOUGLAS FIR FINISH **ADDITIONAL OPTIONS** CW - CHERRY WOOD FINISH THERE IS AN ADDITIONAL COST FOR THESE FINISHES **NW - NATIONAL WALNUT FINISH** SU01 - CONCRETE FINISH NAT - Natatorium Rated OCC - Occupancy Sensor with Integrated Photocell DIM - 0-10v Dimming 0D - 0° Tilt Head SU02 - SOFTSCAPE FINISH SU03 - STONE FINISH F - Frosted Lens SAM - Small Adjustable Arm

CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT



Narrow-Spectrum Amber LEDs

AMB - Turtle Friendly Amber LED

Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.

More Custom Finishes Available Upon Request

Consult factory for pricing and lead times





SU04 - CORTEN FINISH



Lador Product Family

