UMC-10003
Mini Macaron Bollard

GERMAN INNOVATION AWARD

LIGMAN LIGHTING USA

42w LED
5021 Lumens

IP66
Suitable for wet locations

IK08
Impact Resistant [Vandal Resistant]
Weight - 9 lbs

TURTLE FRIENDLY

ida DARK SKY APPROVED 2019

Mounting Detail

9.8"
9.8"
23.6"
4"
ø1.5"
2.2"
ø.4"
4"
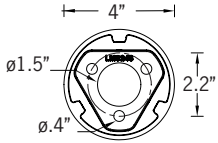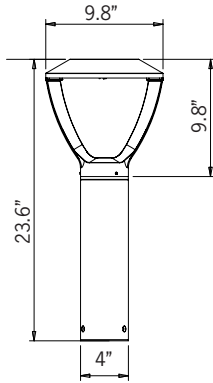
Construction

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 - 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.

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.

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

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Modern contemporary bollard. Designed with a sleek and clean appearance. Features high powered optics, encapsulated within a small sized bollard. Designed to complement the Macron pole top fixtures.

A modern style die-cast aluminum bollard with excellent downward light distribution that complies with dark sky requirements. Outstanding visual appeal and precision optical system gives very low glare rating, whilst reducing light pollution.

This fixture is available in two standard heights, however custom heights can be specified.

This bollard is available with the following light distributions to maximize spacing and vastly improve uniformity;
Type II, III, Wide and Very Wide.

Color temperature 2700K, 3000K, 3500K and 4000K, LED CRI >80 and life time 50,000 Hours. Stainless steel screws. Durable silicone rubber gasket. Powder paint with high corrosion resistance with chemical chromatised protection. Integral control gear.

Customer specific wattages can be provided, please contact the factory for more information.

To meet International Dark Sky criteria, 3000k or warmer LEDs must be selected.

CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT

AMB Spectral Diagram

Relative Radiant Power
Wavelength (nm)
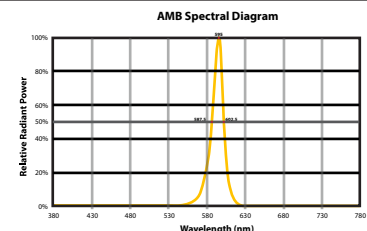
Narrow-Spectrum Amber LEDs
Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.

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LIGMAN LIGHTING USA

PROJECT		DATE	

QUANTITY		TYPE		NOTE	

ORDERING EXAMPLE || UMC - 10003 - 42w - T2 - W30 - 02 - 120/277v - Options

UMC-10003

LAMP	BEAM	LED COLOR	FINISH COLOR	VOLTAGE

LAMP
- 42w LED
- 5021 Lumens

BEAM
- T2 - Type II Distribution
- T3 - Type III Distribution
- W - Wide 77°x99°
- VW - Very Wide 120°x140°

  - T2 -   - T3 -

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

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 THESE FINISHES

VOLTAGE
- 120/277v
- Other - Specify

ADDITIONAL OPTIONS
- NAT - Natatorium Rated
- DIM - 0-10v Dimming
- AMB - Turtle Friendly Amber LED
- HGT - Custom Bollard Height

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 us
Intertek

Macaron Product Family

Macaron 1
- UMC-20001-81w-7263lm
- UMC-20002-104w-14374lm

Macaron 2
- UMC-20011-81w-7263lm
- UMC-20012-104w-14374lm

Macaron 3
- UMC-98001-104w-14374lm

Macaron 4
- UMC-10001-22w-2854lm [23.6"]
- UMC-10002-31w-3904lm [23.6"]
- UMC-10003-46w-5021lm [23.6"]

Macaron 5
- UMC-10011-22w-2854lm [39.3"]
- UMC-10012-31w-3904lm [39.3"]
- UMC-10013-46w-5021lm [39.3"]

Macaron 8
- UMC-20041-22w-2854lm