UMC-10011
Mini Macaron Bollard

LIGMAN LIGHTING USA
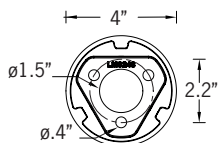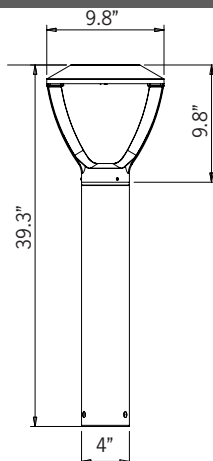
GERMAN INNOVATION AWARD

22w LED
2854 Lumens

IP66
Suitable for wet locations

IK08
Impact Resistant [Vandal Resistant]

Weight - 9 lbs

9.8"

9.8"

39.3"

4"

ø1.5"

ø.4"

2.2"

4"

Mounting Detail

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.

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)

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.

UMC-10011
Mini Macaron Bollard

LiGMAN LIGHTING USA

PROJECT		DATE	
QUANTITY		**TYPE**	**NOTE**

ORDERING EXAMPLE || UMC - 10011 - 22w - T2 - W30 - 02 - 120/277v - Options

UMC-10011	LAMP	BEAM	LED COLOR	FINISH COLOR	VOLTAGE

LAMP
22w LED
2854 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

VOLTAGE
120/277v
Other - Specify

ADDITIONAL OPTIONS

NAT - Natatorium Rated

DIM - 0-10v Dimming

AMB - Turtle Friendly Amber LED

F - Frosted Lens

HGT - Custom Bollard Height

CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT

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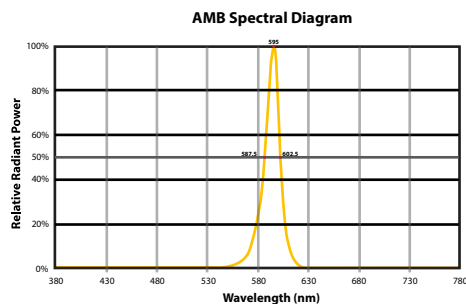
Narrow-Spectrum Amber LEDs
Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.

ETL 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