# FS-UMC-20011-RGBW
## Macaron 2 Post Top

**microVos** TECHNOLOGY

**LIGMAN LIGHTING USA**

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**48w LED**
**2719 Lumens**

**IP66**
Suitable for wet locations

**IK08**
Impact Resistant [Vandal Resistant]

**EPA - 1.00**

**Weight - 23.1 lbs**

**POLE NOT INCLUDED**

RGBW

19.6"

20.3"

2.7"
2.3"

**Fixture 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
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.

### 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)

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**Modern, contemporary post top**
**Beautiful modern urban post top in either single or V-arm configuration, offering powerful street lighting and asymmetric beam performance choices.**

A modern style die-cast aluminum post top decorative lantern 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 luminaire is available in two configurations, namely a single or v-arm option to suit aesthetic design requirements.

Color temperature 2700K, 3000K, 3500K and 4000K, LED CRI >80 and life time 50,000 Hours. Stainless steel screws. Durable silicone rubber gasket and clear tempered glass. Powder paint with high corrosion resistance with chemical chromatised protection. Integral control gear. Customer specifice wattages can be provided, please contact the factory for more information.

Available with a selection of dimmable integral electronic drivers, as well as a provision to install wireless lighting controls to integrate with building management systems. (WATT-ADJ) 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.

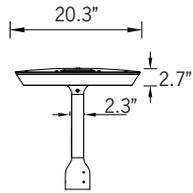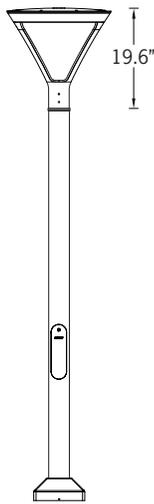### Additional Options (Consult Factory For Pricing)
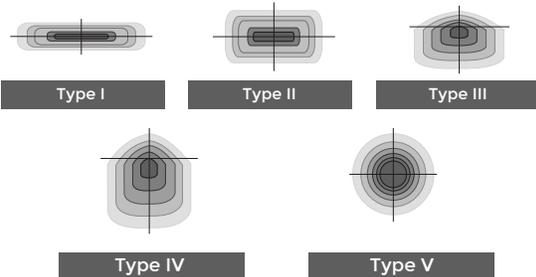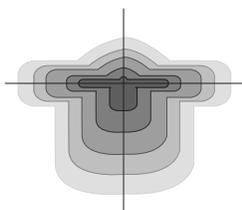
A90991
Zhaga Book 18

A90891
NEMA 7

RGBW
RGBW Macaron

**LIGHCONNECT**
**IoT Ready Macaron**

This luminaire is available with NEMA 7 or Zhaga Book 18 sockets for connection to intelligent lighting control systems.

**SPLIT BEAM OPTIONS**

T3 RIGHT          T4 LEFT

| Endless Solutions |

T4 & T4

T2 & T3

T1 & T4

T1 & T4

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## microVos TECHNOLOGY

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

**Type I**     **Type II**     **Type III**

**Type IV**     **Type V**

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

**HYBRID**
**TYPE I & TYPE IV**

| PROJECT | | DATE | |
|---|---|---|---|
| **QUANTITY** | | **TYPE** | **NOTE** |

## ORDERING EXAMPLE || UMC - 20011 - 48w - T2 - RGBW30 - 02 - 120/277v - Options

**UMC-20011**

| LAMP | BEAM | RGBW COLOR | FINISH COLOR | | VOLTAGE |
|---|---|---|---|---|---|
| 48w LED | T1 - Type I Distribution | RGBW30 - Warm White 3200K | 01 - BLACK RAL 9011 | | 120/277v |
| 2719 Lumens | T2 - Type II Distribution | RGBW40 - Neutral White 4000K | 02 - DARK GREY RAL 7043 | | Other - Specify |
| | T3 - Type III Distribution | RGBW65 - Cool White 6850K | 03 - WHITE RAL 9003 | | |
| | T4 - Type IV Distribution | | 04 - METALLIC SILVER RAL 9006 | | |
| | T5 - Type V Distribution | | 05 - MATTE SILVER RAL 9006 | | |
| | ME - Type ME Distribution | | 06 - LIGMAN BRONZE | | |
| | **FOR SPLIT BEAM, SPECIFY BELOW** | | 07 - CUSTOM RAL | | |

| SPLIT BEAM LEFT | SPLIT BEAM RIGHT |
|---|---|
| T1 - Type I Distribution | T1 - Type I Distribution |
| T2 - Type II Distribution | T2 - Type II Distribution |
| T3 - Type III Distribution | T3 - Type III Distribution |
| T4 - Type IV Distribution | T4 - Type IV Distribution |
| T5 - Type V Distribution | T5 - Type V Distribution |
| ME - Type ME Distribution | ME - Type ME Distribution |

## ADDITIONAL OPTIONS

| | |
|---|---|
| DIM - 0-10v Dimming | A90991-U - Zhaga Book 18 Mounted On Top of Fixture |
| NAT - Natatorium Rated | A90991-D - Zhaga Book 18 Mounted Below Fixture |
| A20491 - Root Mount Kit | A90891 - NEMA 7 |
| OS - Occupancy Sensor | AMB  Turtle Friendly Amber LED |
| BS - Bird Spikes | IHSS - Internal House Side Shield |
| RGBW - RGBW Macaron | |

## CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT



**AMB Spectral Diagram**
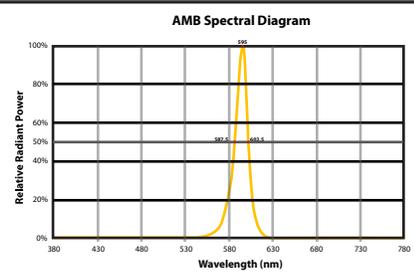
**Narrow-Spectrum Amber LEDs**
Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.
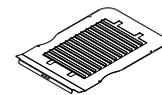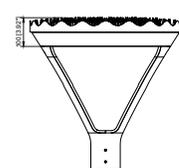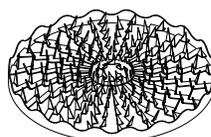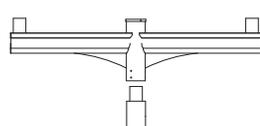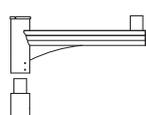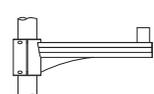
| A20176 Aluminum Arm Pole Clamp | A20276 Aluminum Single Arm | A20376 Aluminum Double Arm | BS Bird Spikes | IHSS Internal House Side Shield |
|---|---|---|---|---|

cETLus 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