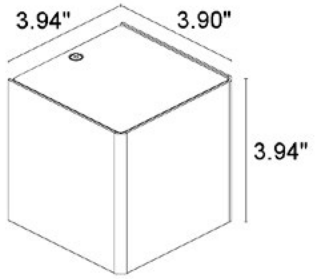
# MARIS 3.1

datasheet

Maris is a family of outdoor surface mounted luminaires made of AISI 316L stainless steel finished with a proprietary AC19® treatment designed to withstand the most extreme environments, even where salt air, humidity and corrosive agents put materials to the test. Maris 3.1 is the 3.9" cube direct light version offered in 4 color temperatures, 4 optic options and 4 standard marine-grade finishes.



Fixture Dimensions




## TECHNICAL DATA

| | |
|---|---|
| **Wattage / Input** | 7W (24VDC) |
| **Power Supply** | Remote, not included. See page 2. |
| **Construction** | Body: AISI 316L Stainless Steel with AC19® treatment<br>Lens: Black-serigraphed, Tempered, Extra-clear Glass |
| **CCT** | 2200K, 2700K, 3000K, 4000K |
| **CRI** | >90 |
| **BUG Rating** | B0-U0-G0 (Diffuse), B1-U0-G0 (17°, 26°, 37°, 52°) |
| **Delivered Lumens** | 558 lm (27°, 3000K) |
| **Efficacy** | 79.7 lm/W (27°, 3000K) |
| **Optics** | 17°, 26°, 37°, 52°, Asymmetrical, Diffuse |
| **Finishes** | 4 Standard, see below<br>*(4 Stage Marine Grade Finish)* |
| **Fixture Dimensions** | 3.94" w x 3.90" l x 3.94" h |
| **Fixture Weight** | 2.82 lbs |
| **LED Source** | 1 COB LED |
| **Lumen Maintenance** | L80, B10 >60,000hrs (Ta 25°C) |
| **Color Consistency** | 2-step MacAdam |
| **Operating Temp.** | -4°F to +122°F |
| **IP Rating** | IP66 |
| **IK Rating** | IK05 |

## ORDERING INFORMATION

***Example: MR3100100150MT. Power Supplies / Accessories ordered separately.***

| | | | | | |
|---|---|---|---|---|---|
| **MR3100** | **1** | | | | |

| Model No. | CRI | Honeycomb Louver | CCT | Optics | Finish |
|---|---|---|---|---|---|
| **MR3100** | **1** - CRI>90 | **000** - None<br>**001** - Honeycomb Louver<br>****NOTE:** Honeycomb Louver not available on (0D) Diffuse or (0A) Asymmetric optics. | **N** - 2200K<br>**F** - 2700K<br>**5** - 3000K<br>**9** - 4000K | **0S** - 17°<br>**0M** - 26°<br>**0L** - 37°<br>**0K** - 52°<br>**0A** - Asymmetric**<br>**0D** - Diffuse** | **E** - White<br>**H** - Anthracite<br>**T** - Cor-ten<br>**I** - Stainless Steel |

*Job Name/Date:*

*Fixture Type Designation:*

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## SUGGESTED POWER SUPPLIES

24VDC

| Part Number | Description | Input/Output | # of Fixtures |
|---|---|---|---|
| PPLT00284 | Non-Dim | 120-277VAC to 24VDC, 100W, Class 2 | 1-11 |
| PPLT00543 | 0-10V Dimming to 15% (-40°C / -40°F cold weather start) | 120-277VAC to 24VDC, 100W, Class 2 | 2-11 |

Suggested Lutron Compatible

| Part Number | Option | Lutron SKU | Dim Range | Description | Input/Output | # of Fixtures |
|---|---|---|---|---|---|---|
| PPLT00530 | L3D0 | L3D0 | 100%-0.1% | Hi-Lume™ Premier 0.1% or Ecosystem 3-Wire LED Driver | 120-277VAC to 24VDC, 96W, Class 2 | 1-10 |

## DRIVERS IN NEMA ENCLOSURE

Remote 24VDC - ELV / TRIAC / 0-10V



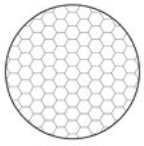
PPLT00715

| Part Number | Description | Input/Output | # of Fixtures |
|---|---|---|---|
| PPLT00715 | ELV / TRIAC / 0-10V Dimming to 0.1% | 120-277VAC to 24VDC, 96W, Class 2, WET/DAMP | 1-10 |

*For other power supply options consult factory.*

## ACCESSORIES

**Anti-glare**



**Honeycomb Louver***

*Optical accessory added in ordering matrix

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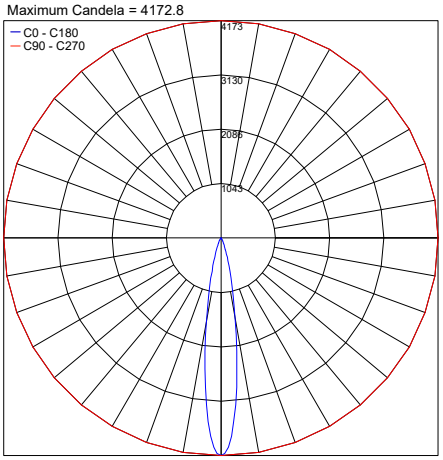
## PHOTOMETRIC DATA

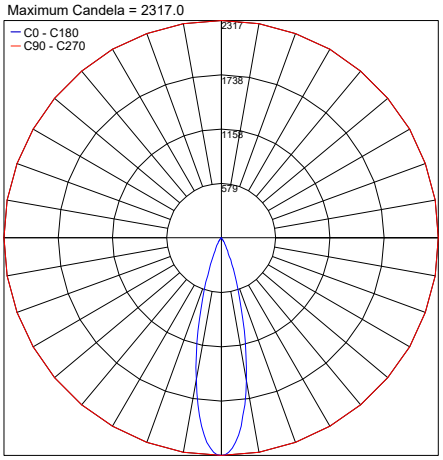
*Note all Photometry is 3000K*

Maximum Candela = 4172.8



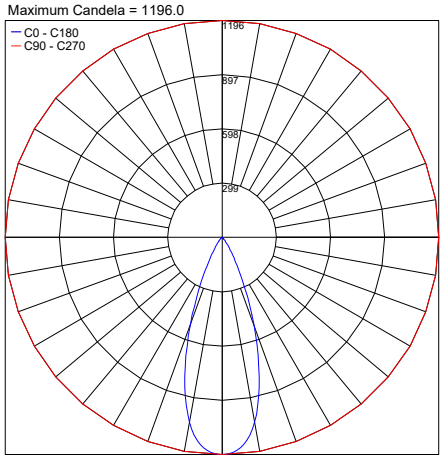

PHOTOMETRIC FILENAME : MARIS_3.1_S_17_3000K_7W_24VDC.IES

Maximum Candela = 2317.0



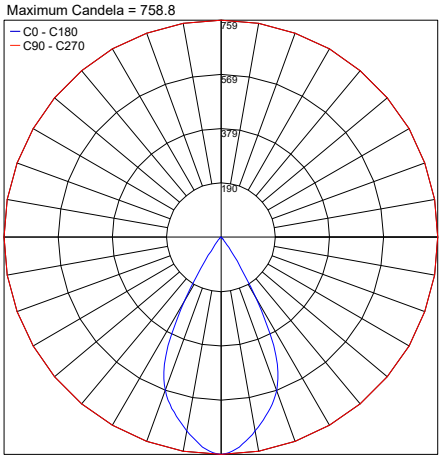

PHOTOMETRIC FILENAME : MARIS_3.1_M_26_3000K_7W_24VDC.IES

Maximum Candela = 1196.0



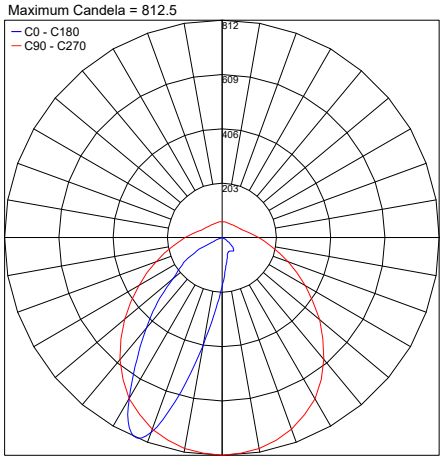

PHOTOMETRIC FILENAME : MARIS_3.1_L_37_3000K_7W_24VDC.IES

Maximum Candela = 758.8



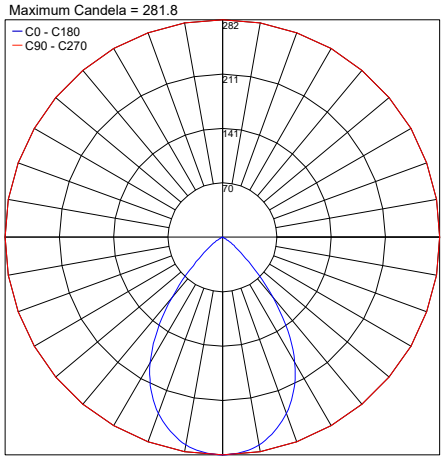

PHOTOMETRIC FILENAME : MARIS_3.1_K_52_3000K_7W_24VDC.IES

Maximum Candela = 812.5




PHOTOMETRIC FILENAME : MARIS_3.1_A_3000K_7W_24VDC.IES

Maximum Candela = 281.8




PHOTOMETRIC FILENAME : MARIS_3.1_D_3000K_7W_24VDC.IES

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*Fixture Type Designation:*


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