

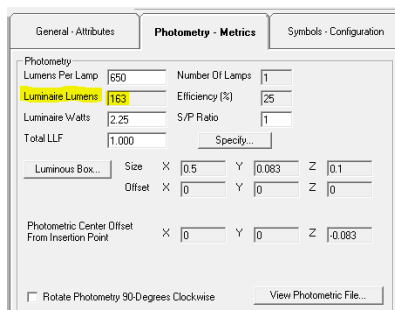
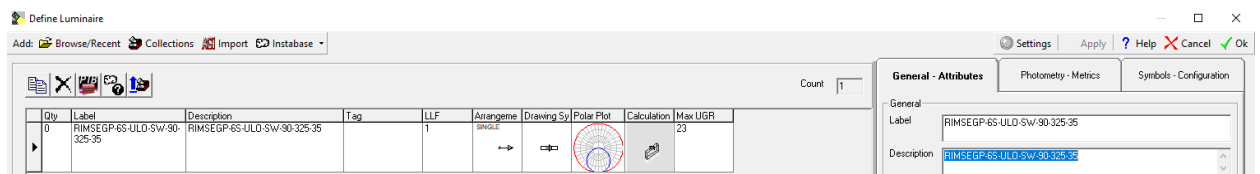
## GUIDE: USING RIM SYSTEM IES FILES

A **RIM SYSTEM** is a highly customizable luminaire composed of a combination of RIM SEGMENTS. While RIM SYSTEMS allow for numerous architectural lighting and design possibilities, they present some technical challenges when it comes to creating IES files. This guide is a step-by-step tutorial on how to use the IES files provided on our website.

- **Important notes**

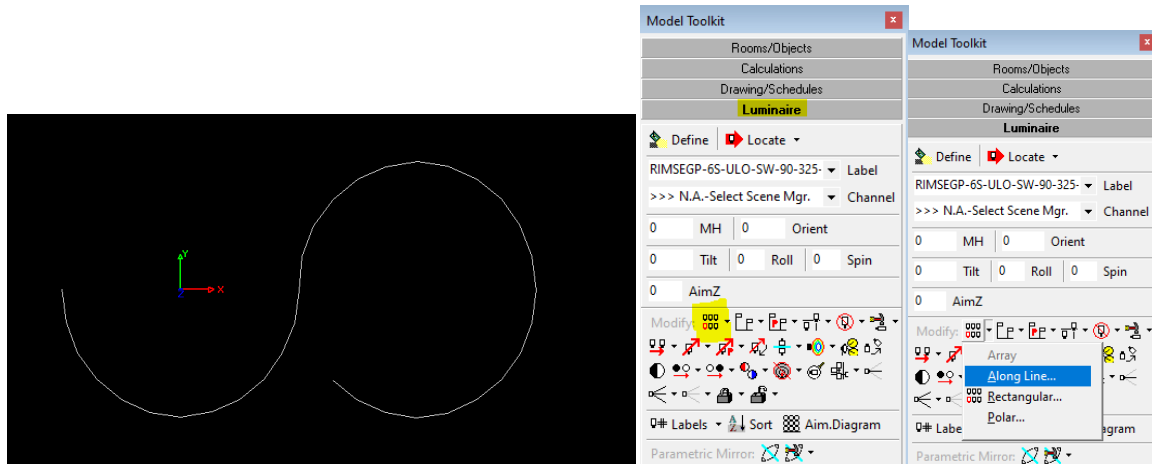
- All IES files available are 6 inches in length. This is done to increase flexibility in creating different shapes.
- All IES files are labeled with their output per foot to match the spec sheets, but since the IES files are only 6 inches in length, the lumen output is half of what is labeled (The files labeled **325** will have 162.5 lumens per 6 inches, **480** will have 240 per 6 inches lumens and **640** will have 320 lumens per 6 inches.)
- This guide uses AGI32 lighting calculation software, which is the industry standard for lighting calculation. If you are using another software, you will have to adjust the steps accordingly, although the logic will nevertheless remain the same.

1. Choose among the 3 outputs available, and drag the file that you need into the “**AGI32 Define Luminaire Table**”  
Because we are using an output of 325 lm/ft in this scenario, the total **Luminaire Lumens** for this 6-inch segment is 163 lumens as is highlighted in yellow below.



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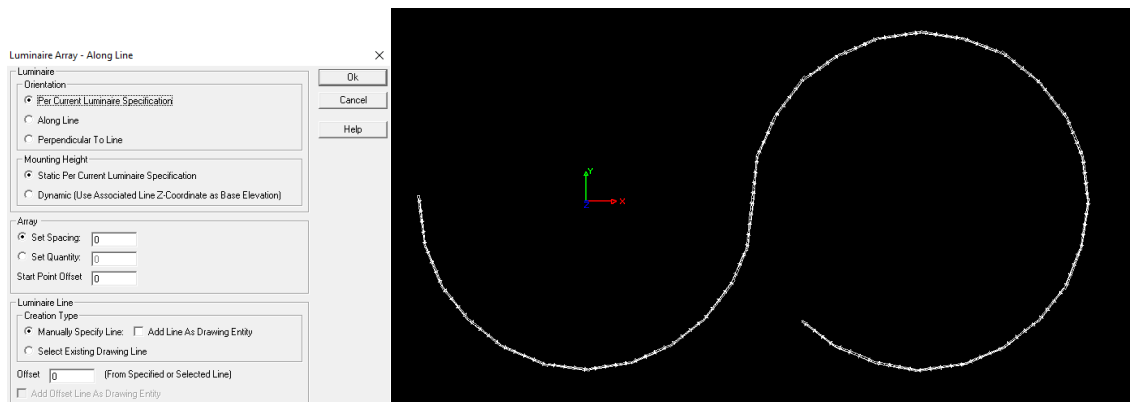
- This is our custom luminaire shape. To make this into a luminaire, we will need to use the **"Array Luminaire"** under the **"Luminaire"** tab in AGI32. Next, click the arrow and select **"Along Line..."** (Make sure you have the right IES files selected)



Ensuring that you have the right IES files selected, choose **"Along Line..."**, the Mounting Height **"Static Per Current Luminaire Specification"**, and for Array, **"Set Spacing"** at **0.5**, since we are using 6-inch long IES files. (Depending on your luminaire geometry, you may have to choose **"Along Line"** or **"Perpendicular to Line"**).

At the bottom for Luminaire Line, select Creation Type **"Manually Specify Line"**, and click **"OK"**.

Trace the custom shape of your luminaire starting at one end and finishing at the other.



- The new custom luminaire is now done. Our custom shape uses a total of 139 6-inch segments, and is +/- 70 linear feet at 325 lm/ft for a total of 22,750 lumens. The luminaire can be left in segments or be combined into a single luminaire by using the **"Create Luminaire Group"** button in AGI32.