



## Ray Files of Bridgelux Vesta 9mm Dim-to-Warm BXRV-DR-1830H-1000-B-1X Products

FTP links to ray files for Bridgelux Dim-to-Warm BXRV-DR-1830H-1000-B-13 Array products can be found in this document. In order to download the ray files, please click on the link.

### Note:

- The files are based on testing a single array at a 50°C case temperature and at two different currents: 70mA and 350mA.
- Customers designing on other color SKUs or at other drive or thermal conditions can use these ray files and adjust the LOP level accordingly in their design software.
- All the ray files are generated with 1M rays (IES and EUL format have 10M rays).
- All the rays are generated on a plane at z=0, which is at the center of the top surface of light emitting area. For details about where z=0 is aligned, please refer to the two photos at the end of this file, or read radiant source model in ProSource (under alignment tab).
- Please refer to the 3D CAD files of Dim-to-Warm BXRV-DR-1830H-1000-B-13 from Bridgelux website for mechanical details of the product.

### Radiant Source Model with color information

[BXRV-DR-1830H-1000-B-13 at 70mA\(Radiant Imaging Source\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(Radiant Imaging Source\)](#)

### Tris-Color:

[BXRV-DR-1830H-1000-B-13 at 70mA\(Generic ASCII Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(Generic Binary Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(LightTools Binary Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(Generic ASCII Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(Generic Binary Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(LightTools Binary Format\)](#)

### Photopic:

[BXRV-DR-1830H-1000-B-13 at 70mA\(ASAP Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(ASCII Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(FRED Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(Generic Binary Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(LighTools Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(LucidShape Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(OptiCAD Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(Optis Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(Photopia Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(SIMULUX Format\)](#)



[BXRV-DR-1830H-1000-B-13 at 70mA\(SPECTER Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(TracePro \)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(Zemax Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(ASAP Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(ASCII Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(FRED Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(Generic Binary Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(LighTools Format\)](#)  
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[BXRV-DR-1830H-1000-B-13 at 350mA\(Photopia Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(SIMULUX Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(SPECTER Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(TracePro \)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(Zemax Format\)](#)

**Spectral (spectrum adjusted by view angle)**

[BXRV-DR-1830H-1000-B-13 at 70mA\(Generic ASCII\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(FRED Binary\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(Generic Binary\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(LightTools Binary\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(OptiCAD\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(Optis Binary\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(Photopia Binary\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(TracePro Binary\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(Zemax Binary\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(Generic ASCII\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(FRED Binary\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(Generic Binary\)](#)  
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[BXRV-DR-1830H-1000-B-13 at 350mA\(TracePro Binary\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(Zemax Binary\)](#)



**Spectral (spectrum adjusted by emission location)**

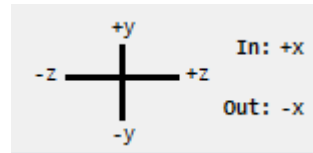
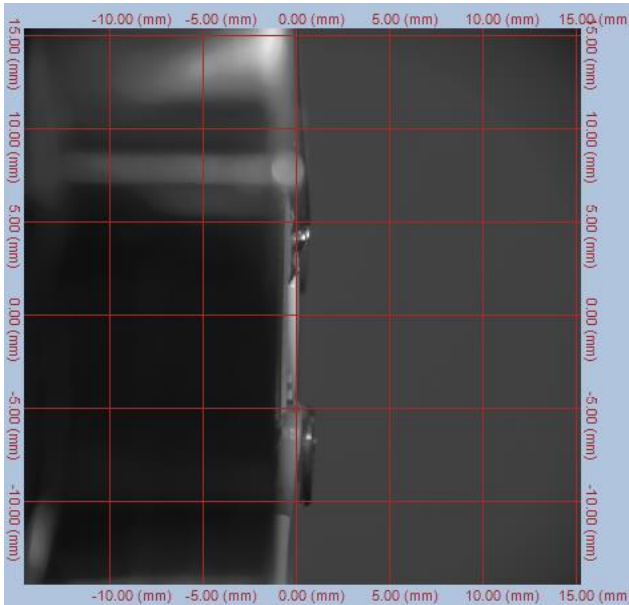
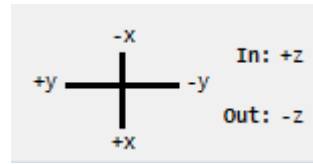
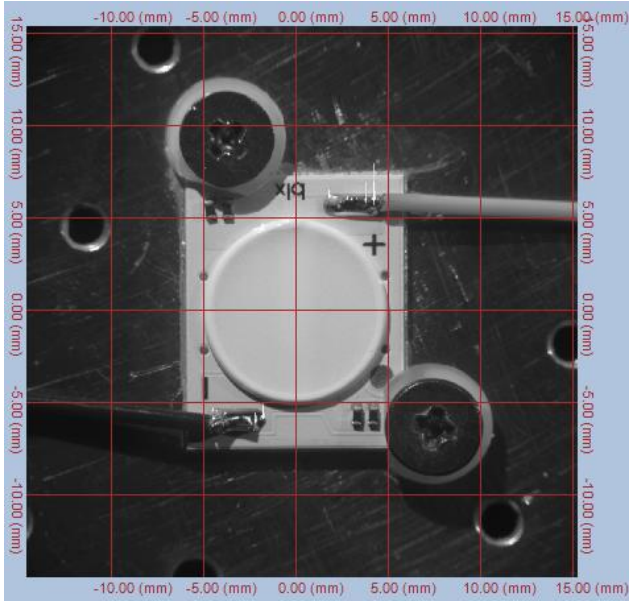
[BXRV-DR-1830H-1000-B-13 at 70mA\(Generic ASCII\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(FRED Binary\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(Generic Binary\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(LightTools Binary\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(OptiCAD\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(Optis Binary\)](#)  
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[BXRV-DR-1830H-1000-B-13 at 350mA\(Generic ASCII\)](#)  
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[BXRV-DR-1830H-1000-B-13 at 350mA\(Zemax Binary\)](#)

**EUL and IES files:**

[BXRV-DR-1830H-1000-B-13 at 70mA\(EULUMDAT Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 70mA\(IES Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(EULUMDAT Format\)](#)  
[BXRV-DR-1830H-1000-B-13 at 350mA\(IES Format\)](#)

**Alignment during radiant source model and ray file generation**

**70mA:**



**350mA:**

