Ray Files of Bridgelux Vesta 29mm Tunable White BXRV-TR-xxxxG-1KA0-A-2x Products

FTP links to ray files for Bridgelux Vesta 29mm Tunable White BXRV-TR-xxxxG-1KA0-A-2x products can be found in this document. In order to download the ray files, please click on the link.

Note:

- Vesta 29mm Tunable White BXRV-TR-xxxxG-1KA0-A-2x products contain BXRV-TR-2750G-1KA0-A-2x(CCT adjusted from 2700K to 5000K) and BXRV-TR-2765G-1KA0-A-2x(CCT adjusted from 2700K to 6500K)
- The files are based on testing of a single array BXRV-TR-2750G-1KA0-A-25 at a 50°C case temperature and at the following test currents :
  - CW(Cool White)1050mA and WW(Warm White)0mA
  - CW(Cool White)525mA and WW(Warm White)525mA
  - WW(Warm White)1050mA and CW(Cool White)0mA
- 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 Vesta 29mm Tunable White BXRV-TR-xxxxG-1KA0-A-2x products from Bridgelux website for mechanical details of the product.

Radiant Source Model with color information

BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Radiant Imaging Source)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Radiant Imaging Source)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Radiant Imaging Source)

Tris-Color:

BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Generic ASCII Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Generic Binary Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(LightTools Binary Format)

BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Generic ASCII Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Generic Binary Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(LightTools Binary Format)

BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Generic ASCII Format)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Generic Binary Format)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(LightTools Binary Format)

Photopic:

BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(ASAP Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(ASCII Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(FRED Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Generic Binary Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(LighTools Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(LucidShape Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(OptiCAD Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Optis Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Photopia Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(SIMULUX Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(SPECTER Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(TracePro Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Zemax Format)

BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(ASAP Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(ASCII Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(FRED Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Generic Binary Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(LighTools Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(LucidShape Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(OptiCAD Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Optis Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Photopia Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(SIMULUX Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(SPECTER Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(TracePro Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Zemax Format)

BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(ASAP Format)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(ASCII Format)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(FRED Format)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Generic Binary Format)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(LighTools Format)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(LucidShape Format)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(OptiCAD Format)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Optis Format)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Photopia Format)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(SIMULUX Format)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(SPECTER Format)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(TracePro Format)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Zemax Format)

Spectral (spectrum adjusted by view angle):

BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Generic ASCII)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(FRED Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Generic Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(LightTools Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(OptiCAD)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Optis Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Photopia Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(TracePro Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Zemax Binary)

BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Generic ASCII)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(FRED Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Generic Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(LightTools Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(OptiCAD)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Optis Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Photopia Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(TracePro Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Zemax Binary)

BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Generic ASCII)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(FRED Binary)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Generic Binary)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(LightTools Binary)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(OptiCAD)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Optis Binary)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Photopia Binary)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(TracePro Binary)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Zemax Binary)

Spectral (spectrum adjusted by emission location):

BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Generic ASCII)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(FRED Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Generic Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(LightTools Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(OptiCAD)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Optis Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Photopia Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(TracePro Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(Zemax Binary)

BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Generic ASCII)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(FRED Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Generic Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(LightTools Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(OptiCAD)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Optis Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Photopia Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(TracePro Binary)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(Zemax Binary)

BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Generic ASCII)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(FRED Binary)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Generic Binary)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(LightTools Binary)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(OptiCAD)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Optis Binary)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Photopia Binary)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(TracePro Binary)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(Zemax Binary)

EUL and IES files:

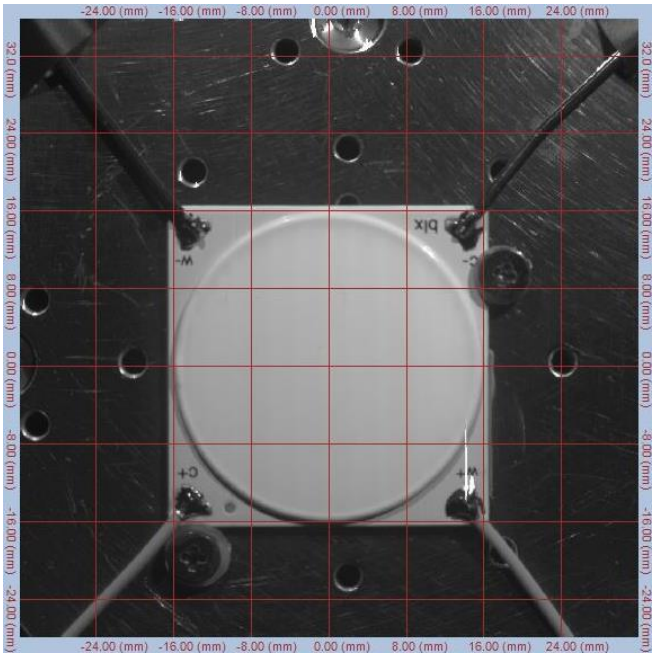
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(EULUMDAT Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 1050mA WW 0mA(IES Format)

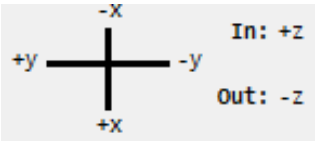
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(EULUMDAT Format)
BXRV-TR-xxxxG-1KA0-A-2x CW 525mA WW 525mA(IES Format)

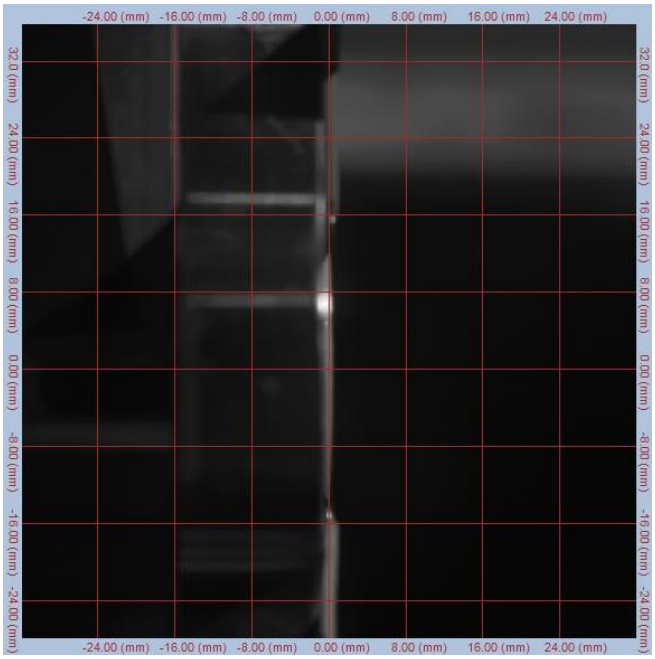
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(EULUMDAT Format)
BXRV-TR-xxxxG-1KA0-A-2x WW 1050mA CW 0mA(IES Format)

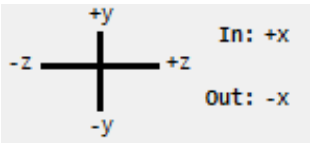
Alignment during radiant source model and ray file generation:

CW 1050mA WW 0mA

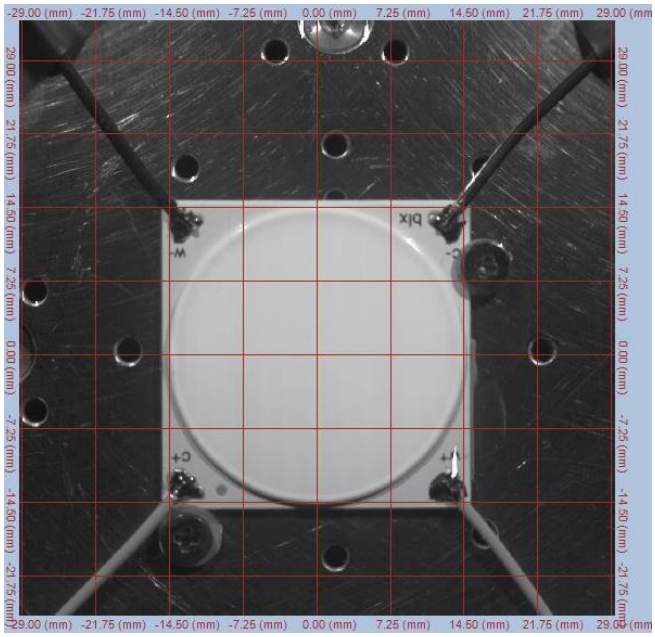


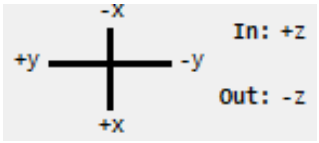


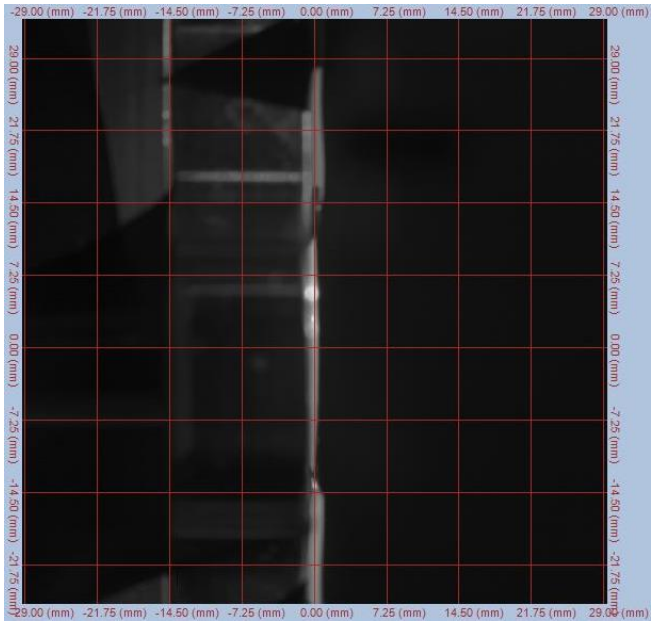


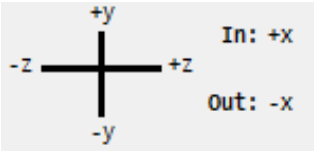


CW 525mA WW 525mA:









WW 1050mA CW 0mA: