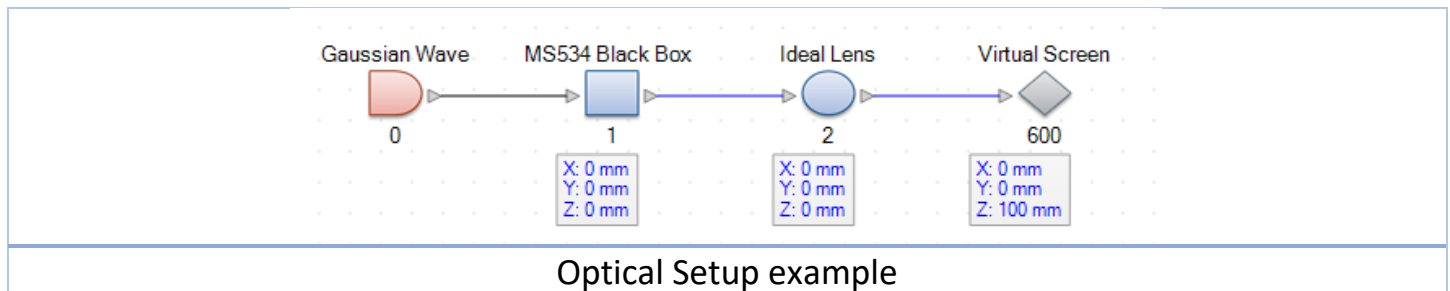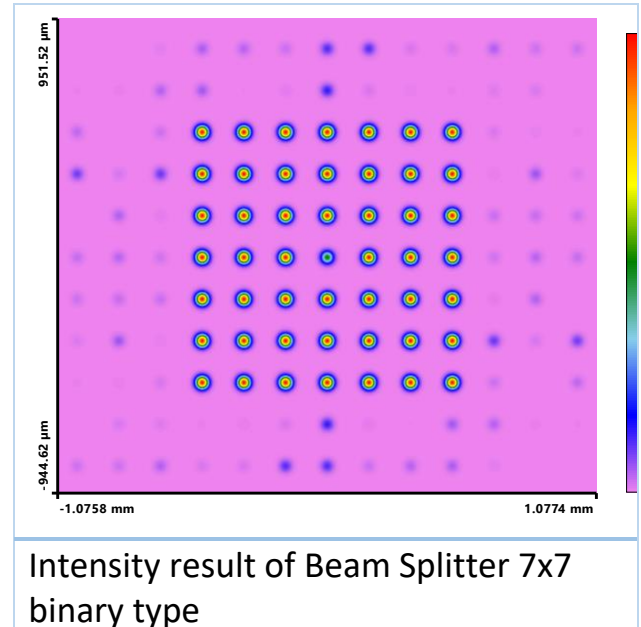Holo/Or constantly strives to make our products easier for analysis and integration within custom systems. We see high value in supplying BlackBox models of our Diffractive Beams Splitters in VirtualLab Fusion - Physical Optics Software. These BlackBoxes allow our customers to utilize the full range of simulations analysis and systems optimization.

Each BlackBox is supplied as a basic optical setup including a Gaussian source, a BlackBox of a Diffractive Beam Splitter, an ideal focusing lens, and a screen. The BlackBox includes the complex data of the diffractive design. It will work nominally for any wavelength defined by Light Source element.

Optical Setup example

Part number and link to VirtualLab file	Number of spots	Separation angle for 532 nm in degrees
MS 396	1x9	0.015
MS 323	1x5	0.023
MS 598	1x4	0.053
MS 599	7 (Hexagon)	0.016
MS 027	9x9	0.25
MS 211	7x7	0.095
MS 359	11x11	0.050
MS 443	3x3	0.030
MS 534	64x64	0.022

Intensity result of Beam Splitter 7x7 binary type

Full specifications can be found on product page:

1D
http://www.holoor.co.il/Diffractive_Optics_Products/Diffractive_Beam_Splitters/Linear_Spot_Array/BeamSplitter1D.php
2D
http://www.holoor.co.il/Diffractive_Optics_Products/Diffractive_Beam_Splitters/Matrix_Spot_Array/BeamSplitter2D.php