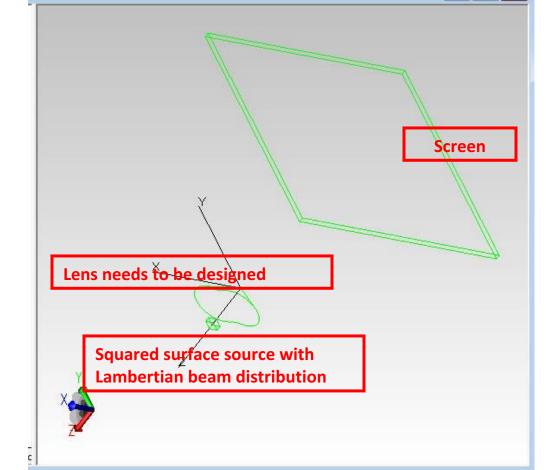








#### Model in TracePro (ex4.oml)



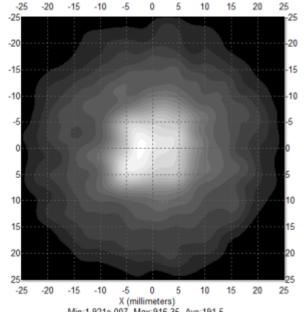




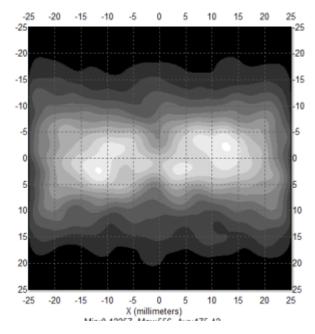


# Target Reshape the irradiance map from circular to rectangular





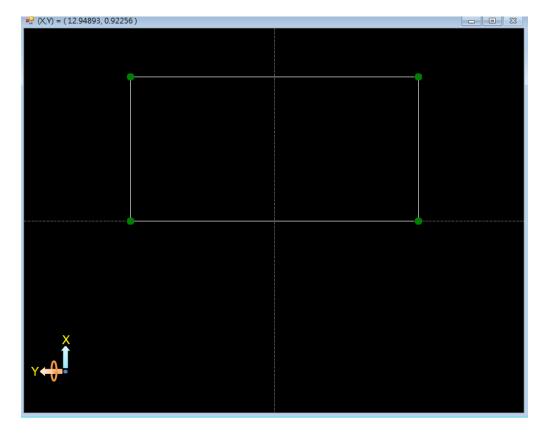








Start a new design in the Interactive Optimizer. No need to make any change to the initial object, since in this example, the lens will be made by after-scheme, not from the drawing window.



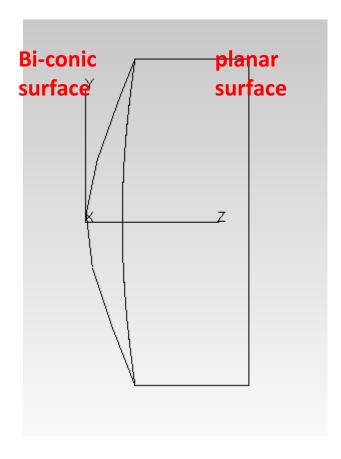






Our plan is to design a biconic-planar lens to reshape the irradiance.









Add four user-defined variables as shown in the screen shot below. rx and ry are the curvatures along x- and y- axis, respectively and cx and cy are the Conic constants respectively.



Object / Var name	ID	Туре	Value	Low limit	Hi limit
гх		User-defined	10.5	8	20
ry		User-defined	10.5	8	20
сх		User-defined	-2	2	2
су		User-defined	-2	2	2

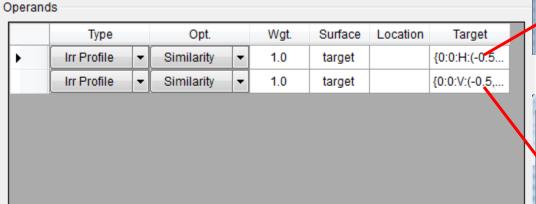


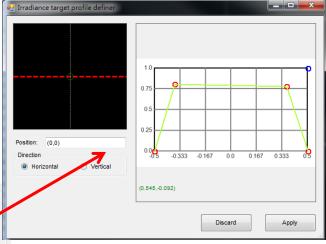


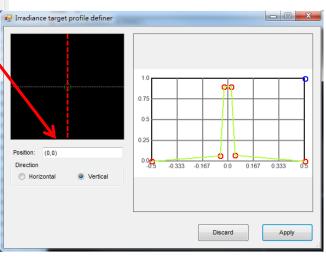
Trace

Biconic lens optimization

Two targets were set to stretch the irradiance map to a wider output in the x direction and narrower in y direction.



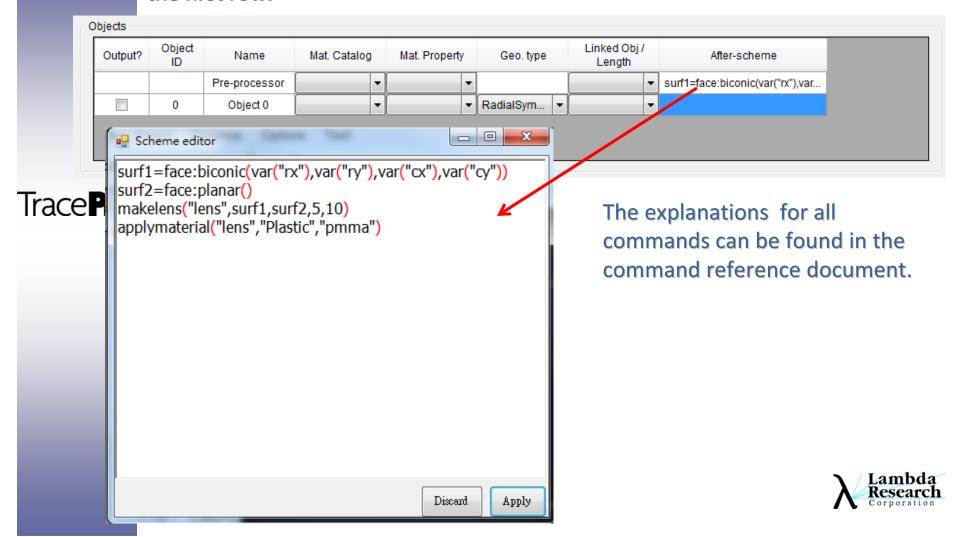








Now, uncheck all objects, but remember to input the after-scheme info in the first row.





#### **Final result**

