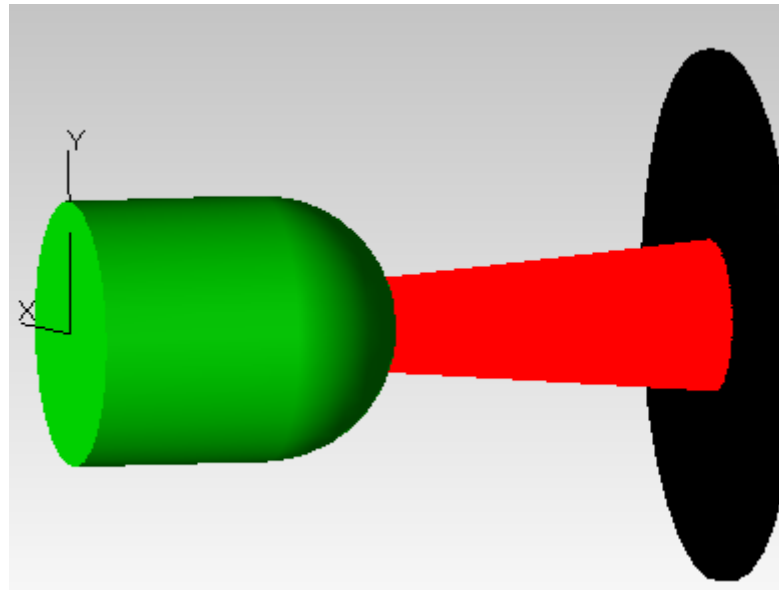


## LED MODELING



# LED MODELLING

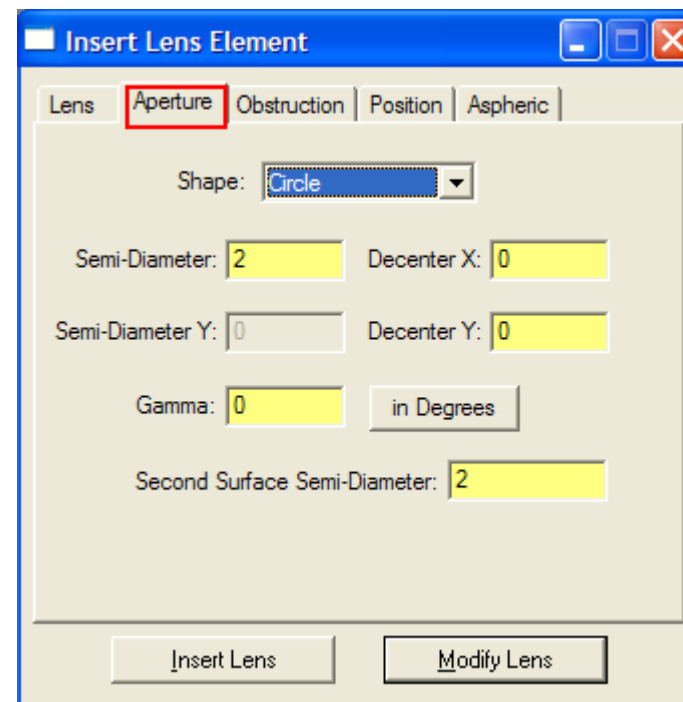
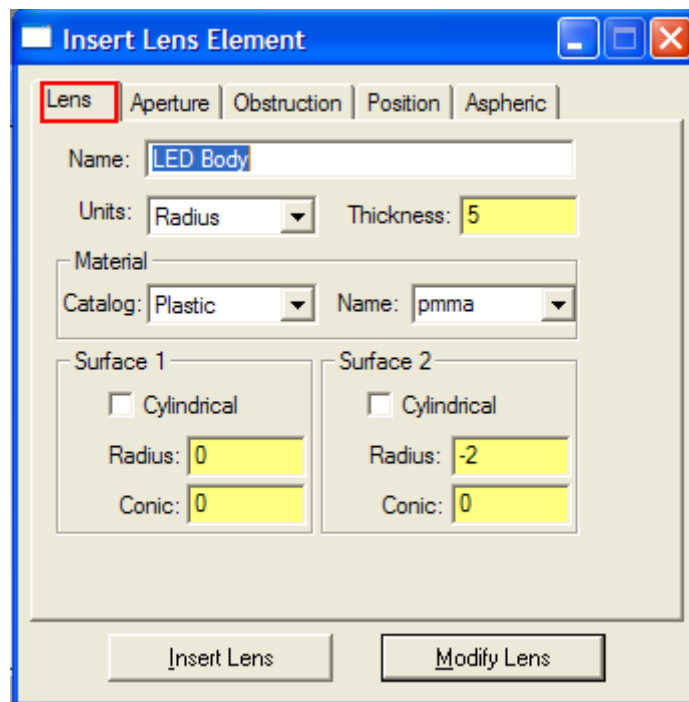
**LED Modeling consist of following object :**

- Source
- Reflector
- LED Body
- Detector

# LED Body

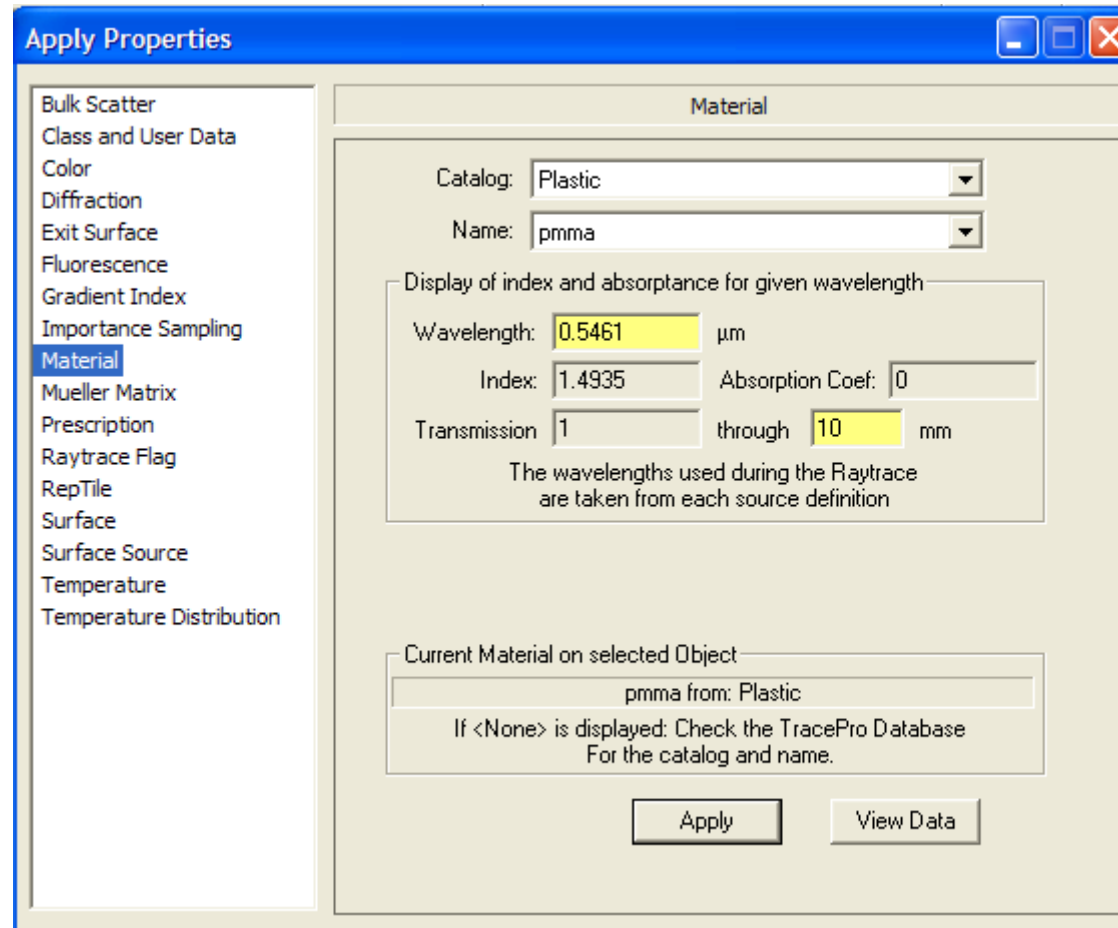
LED Body consist of following properties :

- Plastic Material (PMMA, Acrylic, Poly Carbonate and many others)
- Define Lens Element : Insert > Lens Element

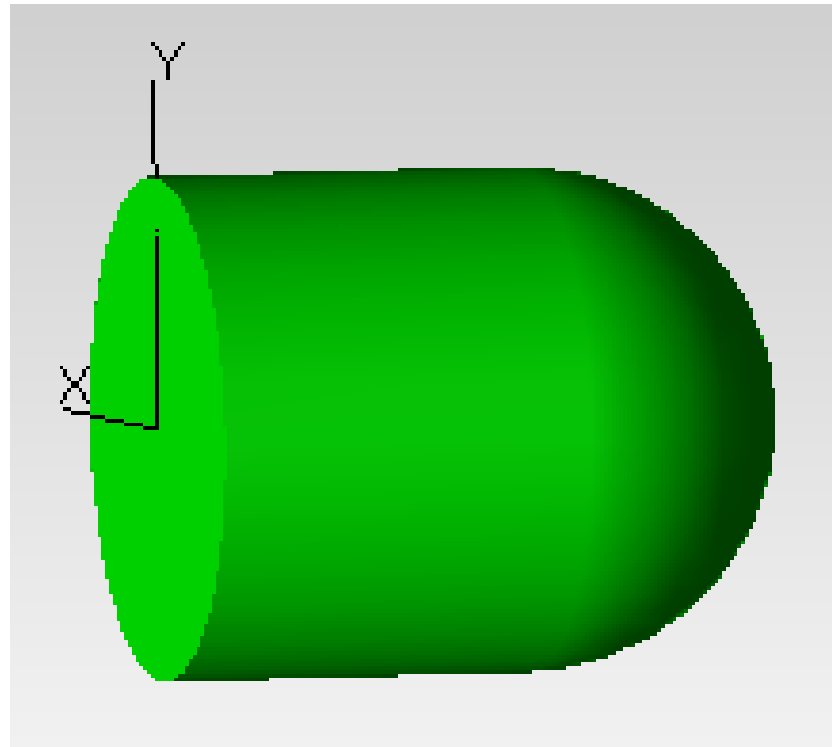


# LED Body Material

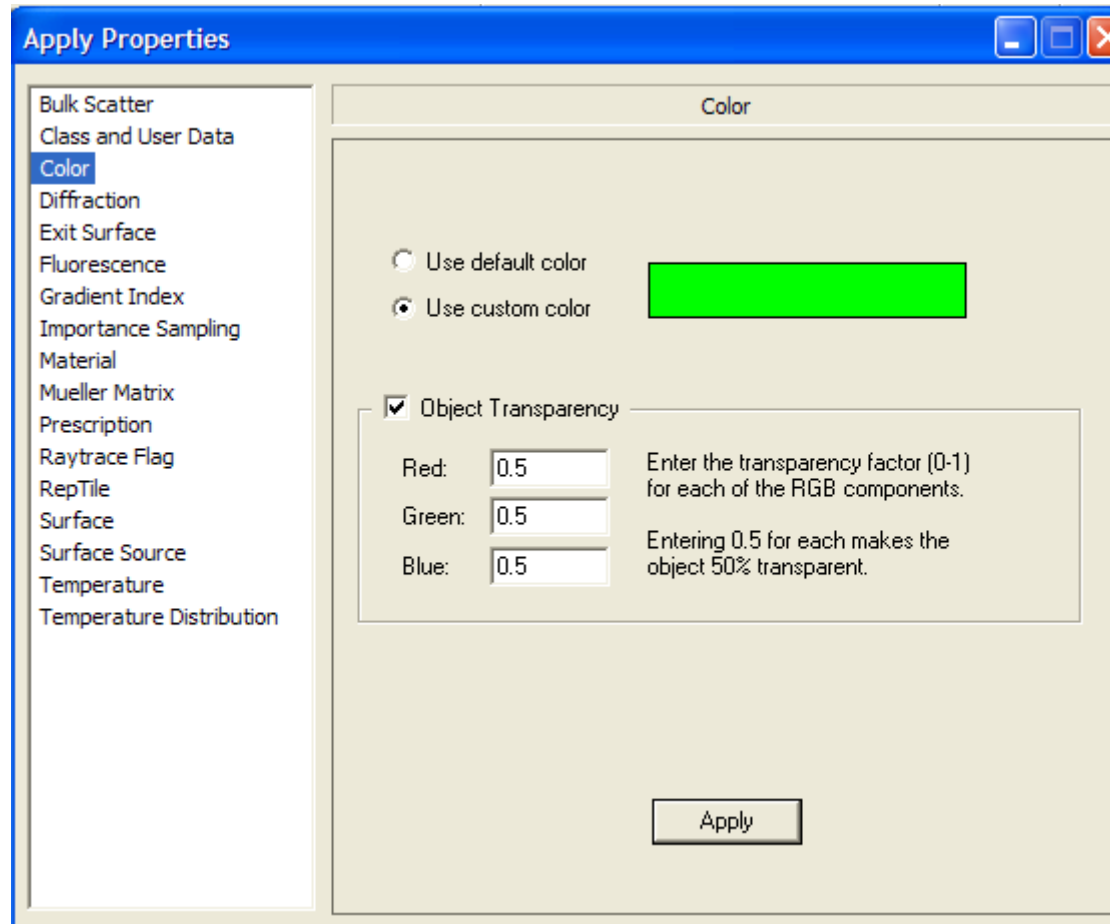
- Material Properties - PMMA



# LED Body

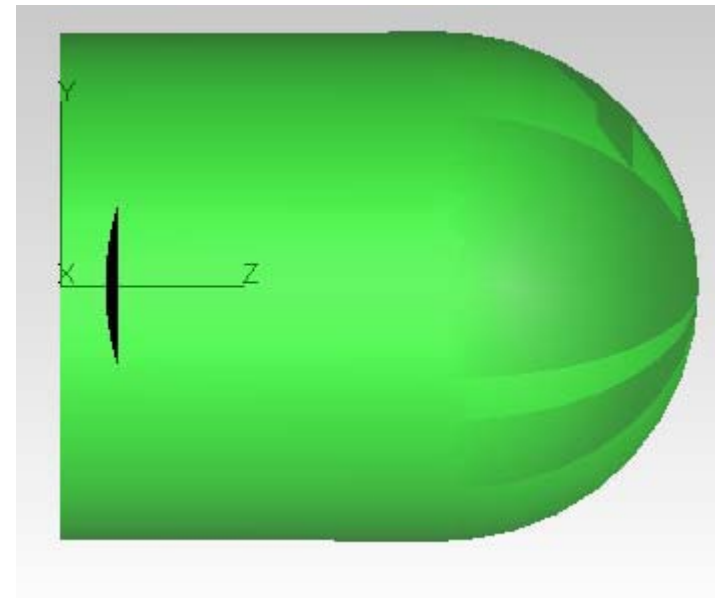
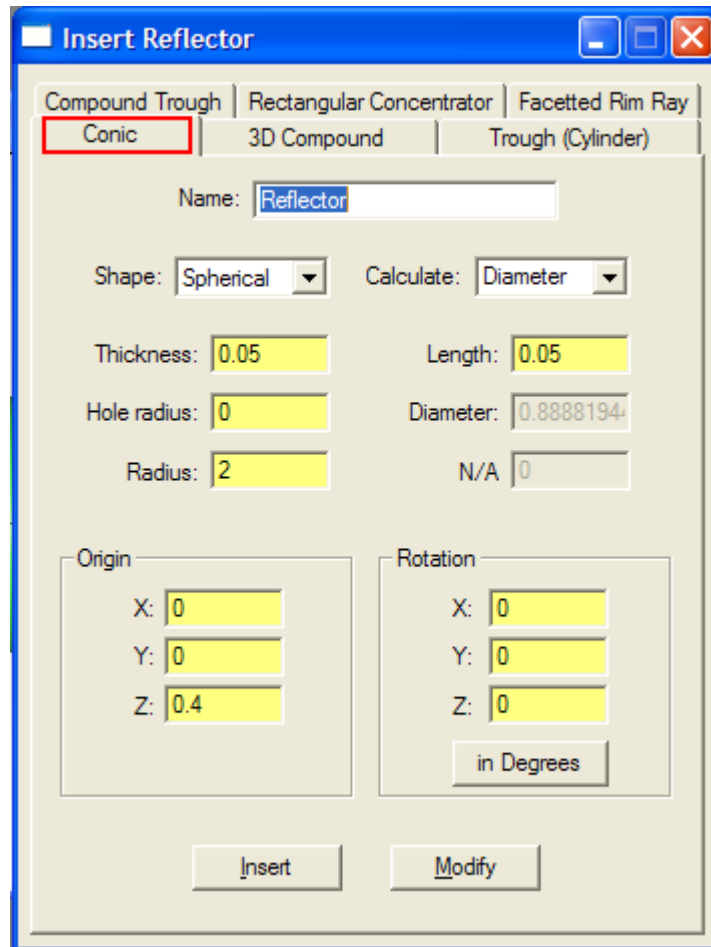


# LED Body Transparent



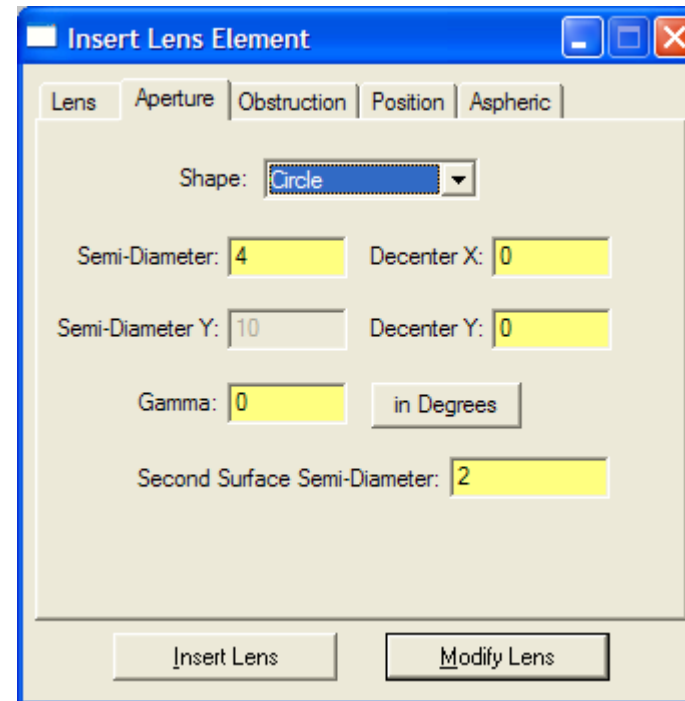
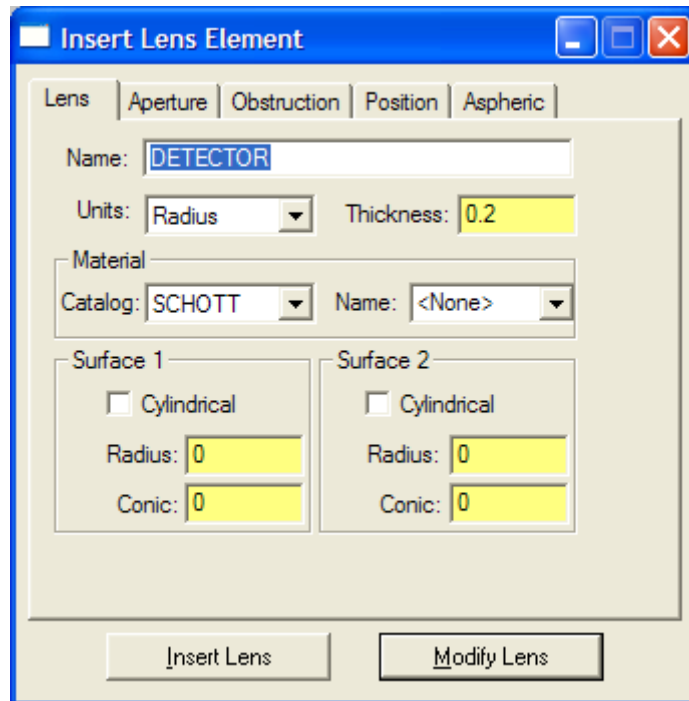
# Reflector

Reflector can be define by using conic reflector as below :



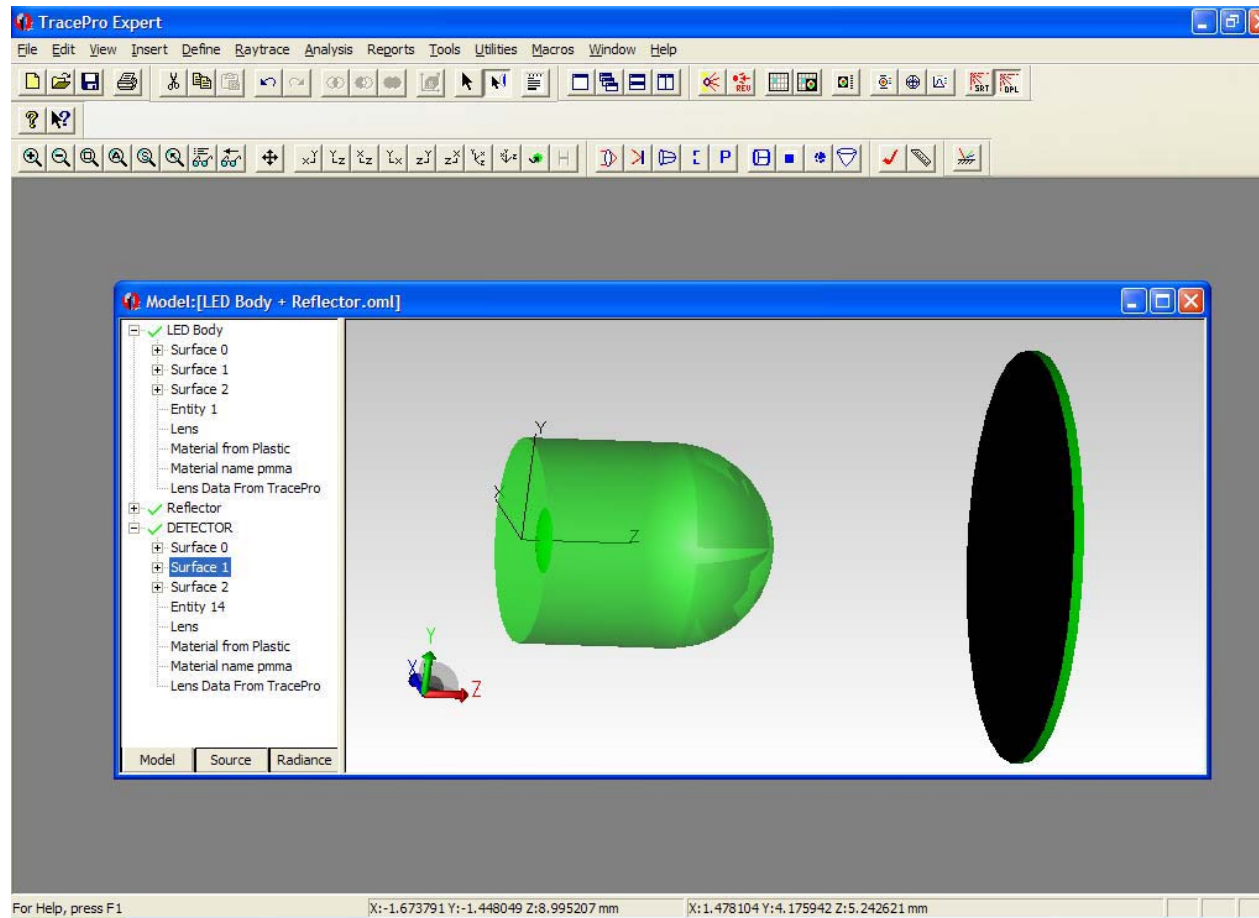
# Detector

Define Properties : Perfect Absorber for Surface 1.



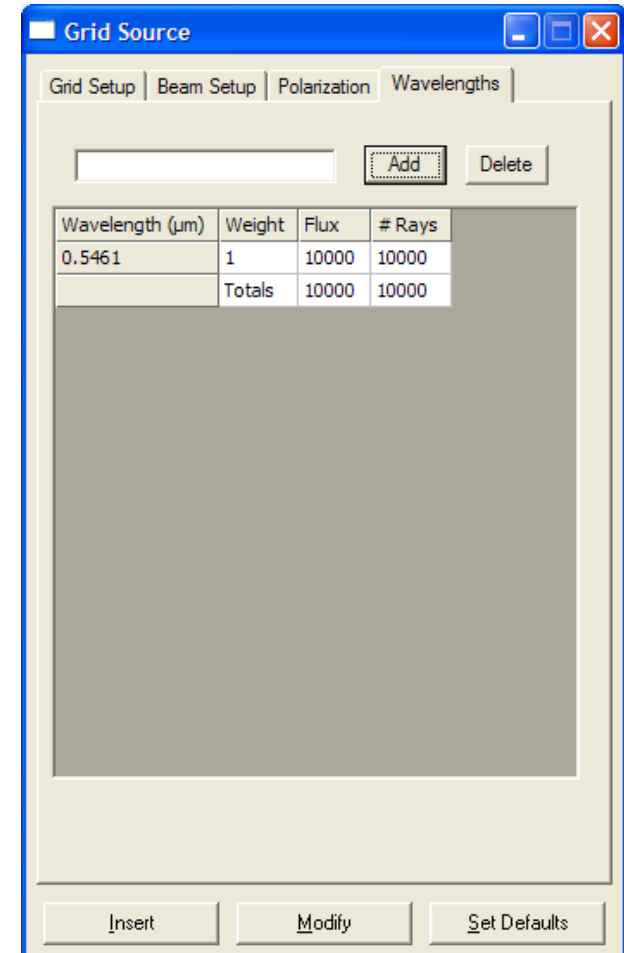
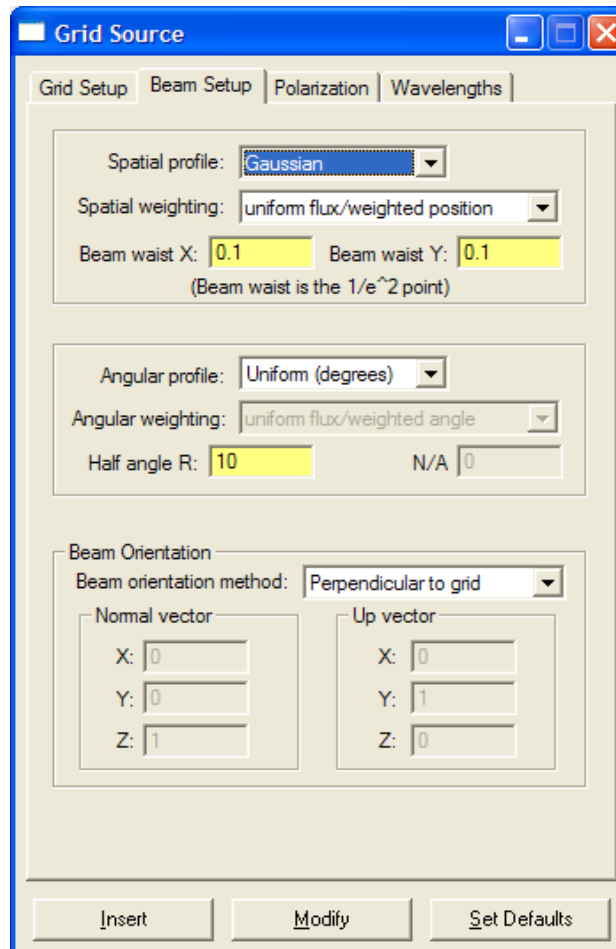
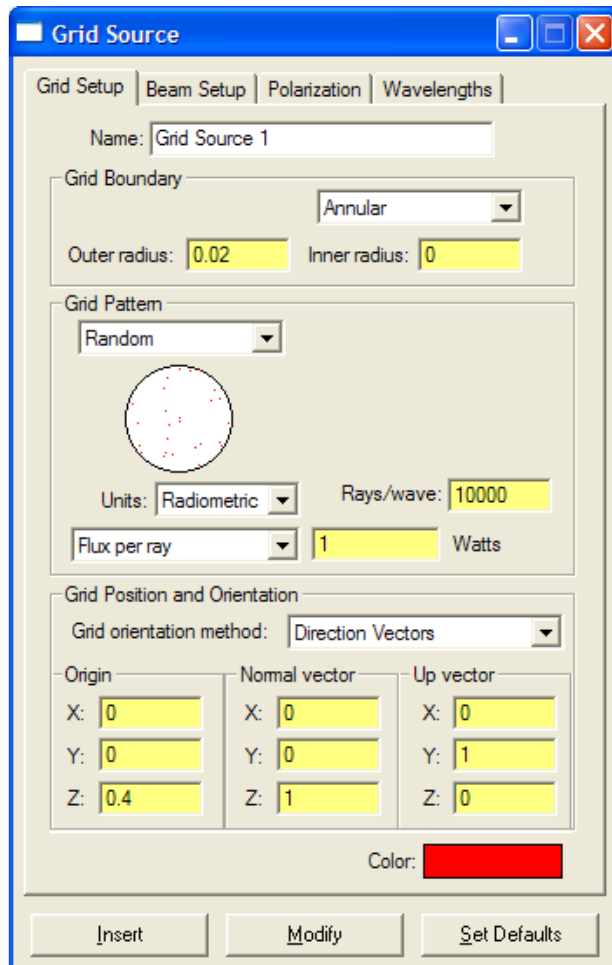


# LED Body + Reflector + Detector



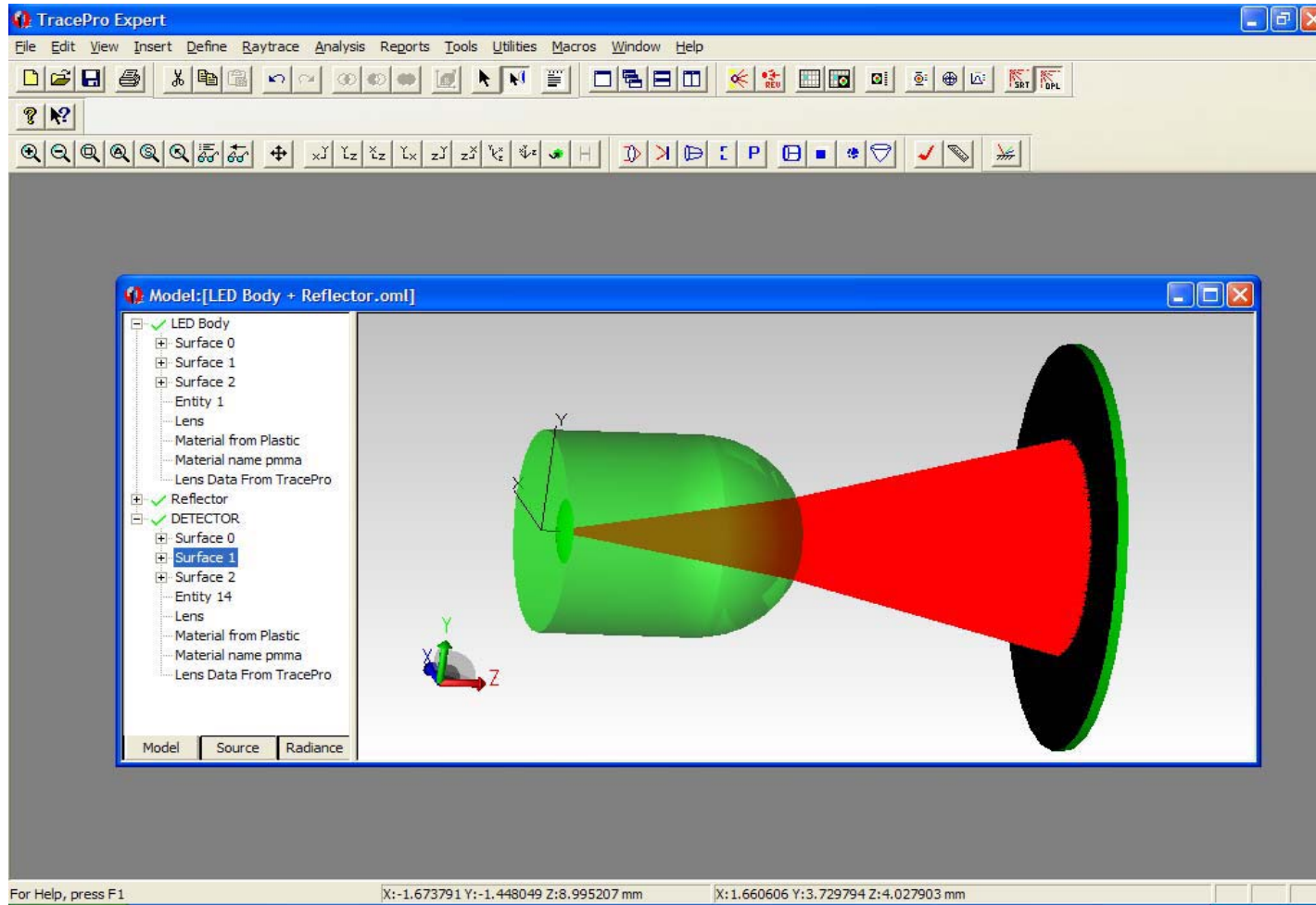
# Source

- GRID SOURCE

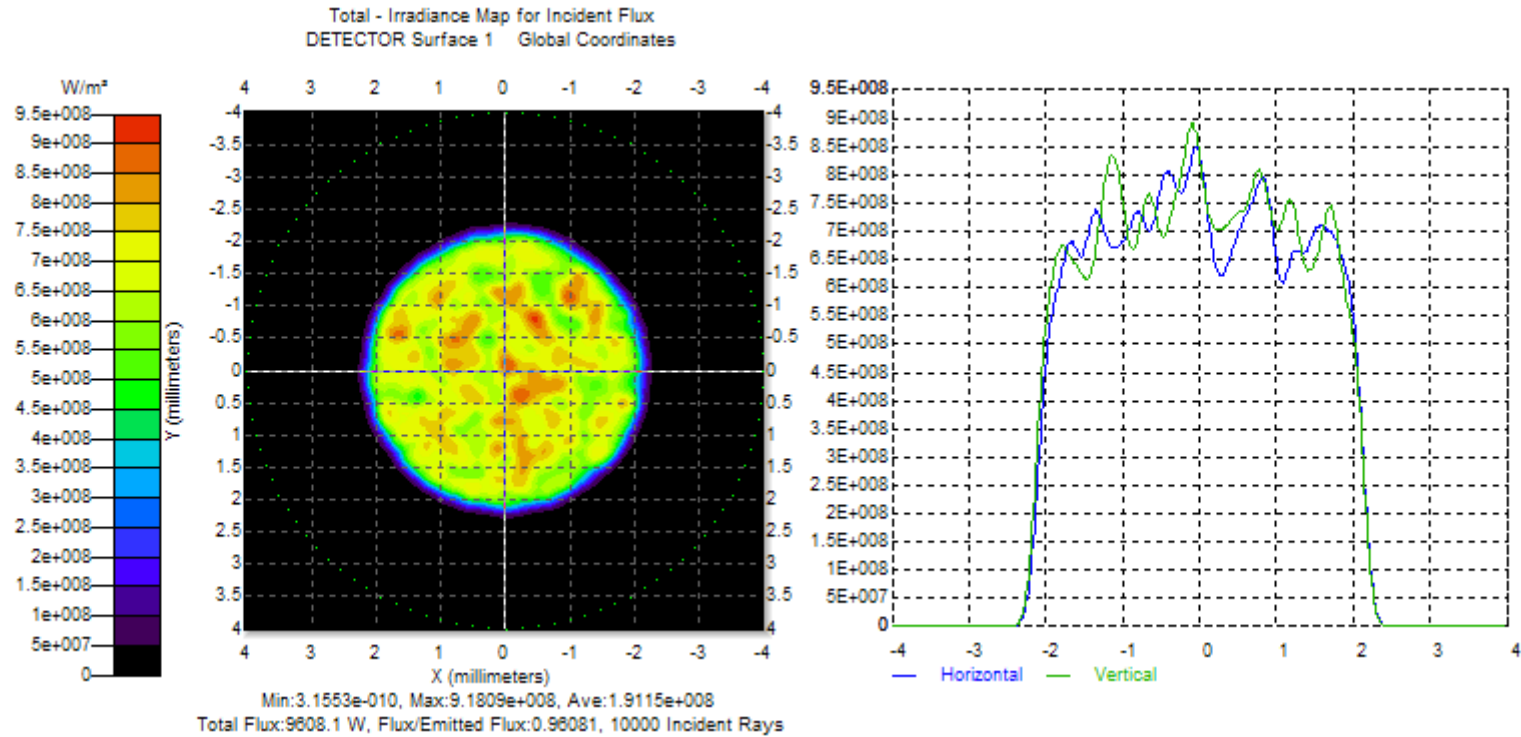


## ANALYSIS

- **TRACE RAYS**



# Illumination Map



# LED Color

