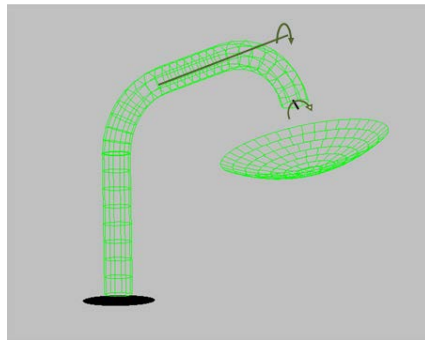
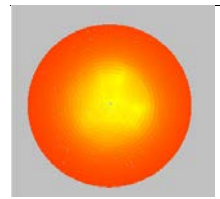


Direct illumination of heat storage with light guide

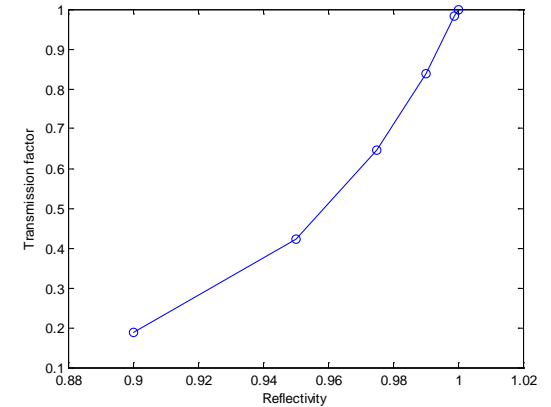
- Directing a concentrated beam with a light guide was evaluated with a raytracing
- Rotation is possible with pipe-in-pipe bends
- Requires high quality internal reflecting surfaces



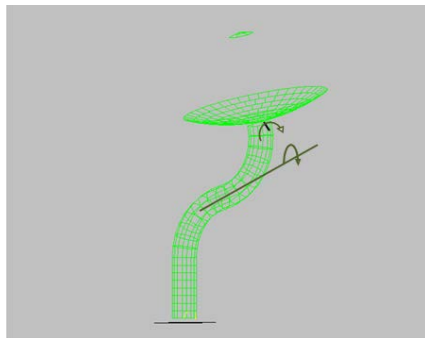
Ray Tracing



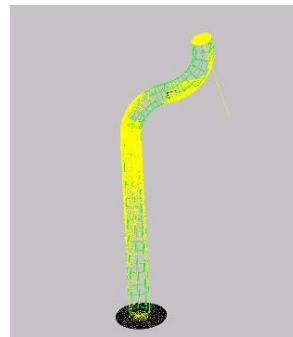
Case with a 2m light guide. Ray tracing. Transmission vs. reflectivity



Polar mount



Double reflector



Ray Tracing



Experimental test with square reflector not successful. Ray tracing shows large back scattering with this geometry