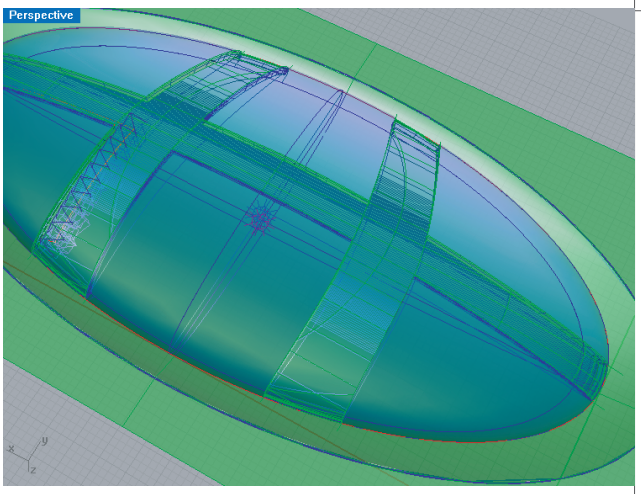
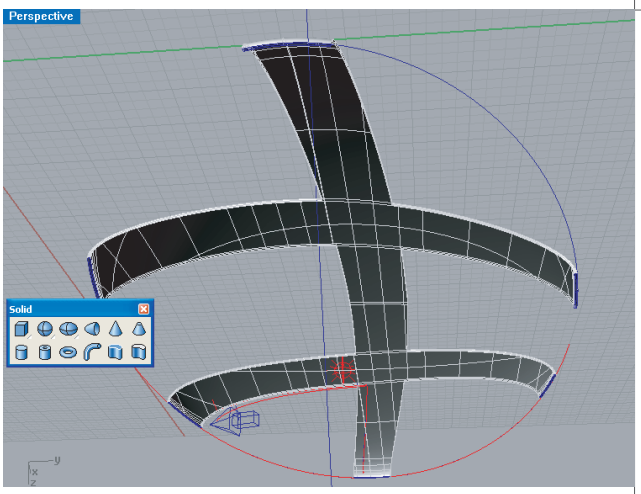
Concept 1: CAD Model

1. Ellipse and Recess:



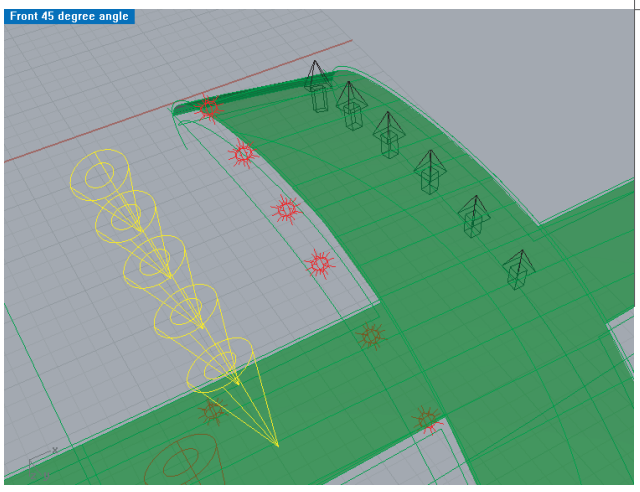
- The ceiling plane and elliptical recess were created using the Boolean difference command in Rhino.
- A second elliptoid was created in the shape of the recess and scaled down to form the main body shape.
- This surface was offset to create the bottom of the light recess.
- Linework for the cutouts was projected onto both surfaces, used as a split tool & deleted.

2. Light Panels



- The main body & cutouts were joined via a 2 rail sweep to complete the recess.
- The same split surfaces used to create the lighting cutouts were offset again to create the light panels.
- Separate body & light panel materials were assigned using Flamingo plug-ins.

3. Lighting:



- A number of different light styles were experimented with to get the right effect from the light panels.
- Test renderings were completed using point lights, directional lights, spot lights and linear lights.
- Directional lights were ultimately selected for looking the most like real LEDs.