

Principles of Design

Balance

- Radial/Vertical (symmetrical) balance
- Physical distribution

Contrast : Very little contrast (off)

Rhythm

- Regular rhythm of Recurring rhombi on barrel
- Interior: Screws

Proportion - Cylinder

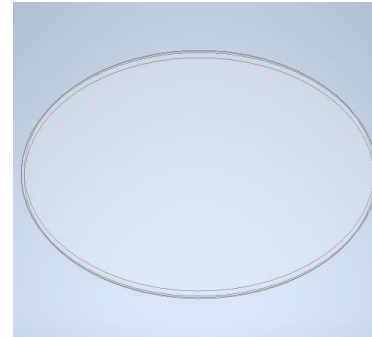
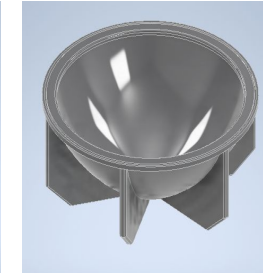
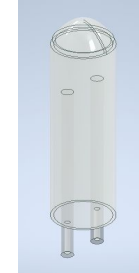
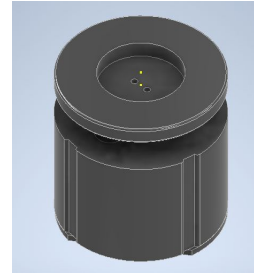
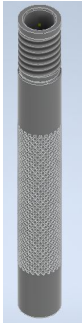
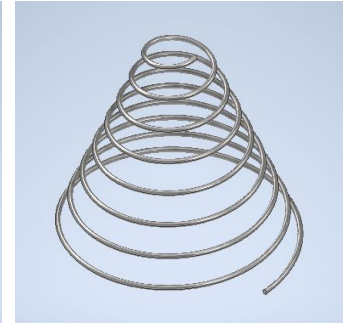
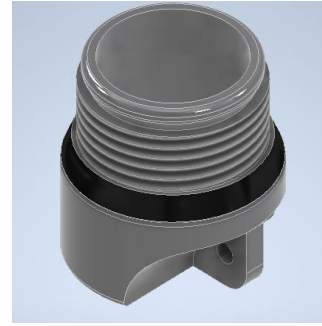
Economy = High visual

Great Unity - Aluminum



Structural Analysis -Technical Sketches

- 1) Tail Cap- House Battery spring /Keep batteries in place
- 2) Battery Spring - Presses against negative end of battery
- 3) Barrel - Hold two electric cells and other components
- 4) Insulator Receptacle - Houses light bulb
- 5) Incandescent Light Bulb - Generate Light
- 6) Batteries - Power source of light bulb
- 7) Parabolic Reflector - Distribute light evenly in forward direction
- 8) Lens - Protection of the light bulb
- 9) Head - On off switch
- 10) Top Cap - Hold lens within flashlight



Modifications

- Colors (Aluminum --> Black/Yellow)
- Grip Pattern (Tessellation: Rhombi---->Suns)
- Structure (Narrowed Barrel)
- Light Bulb (Filament-->LED)
- Battery Type (AA---AAA)
- Single Beam---> Triple Beam

Retained Size / Twist Mechanism



Visual Analysis/Principle of Design

Lines - Curved

- Aside from parts of pattern and embossed letters

Color - Black and Yellow

- Glass covering (transparent)
- Contrast between the two colors creates and emphasis on center top and bottom

Organic Shapes

- Straight and curved lines

Space (Positive Space)

Texture

- Smooth (including grips)

Rhythm (Repeated use)

- Yellow, Sun pattern

Balance

- **Radial/Vertical Symmetry** (120 degree)
- Even distribution of elements/mass

