Dowel Diamond

Use for a task: We would be able to attach a light to its frame.

Suitable for task: Able to attach LED lights

Helps manage resources: Does not require much material.

Technology feasible: Easy to make

Possible Cost: Cheap

Safety: Does not harm user
Box Kite

Use for a task: It would require a lot of lights because of its shape.

Suitable for task: Able to attach LED lights

Helps manage resources: Requires a lot of material

Technology feasible: More complex design

Possible Cost: More expensive

Safety: Does not harm user
Tetrahedral

Use for a task: It would require a lot of lights because of its shape.

Suitable for task: Able to attach LED lights

Helps manage resources: Requires even more material than box kite.

Technology feasible: Complex design

Possible Cost: Expensive

Safety: Does not harm user
Delta
Use for a task: It would require least amount of lights
Suitable for task: Easily able to attach LED lights
Helps manage resources: Requires least amount of material
Technology feasible: Easy to make design
Possible Cost: Cheap
Safety: Does not harm user