

The Robert Bruce Thompson Annual Student Light Fixture Design Competition 2011

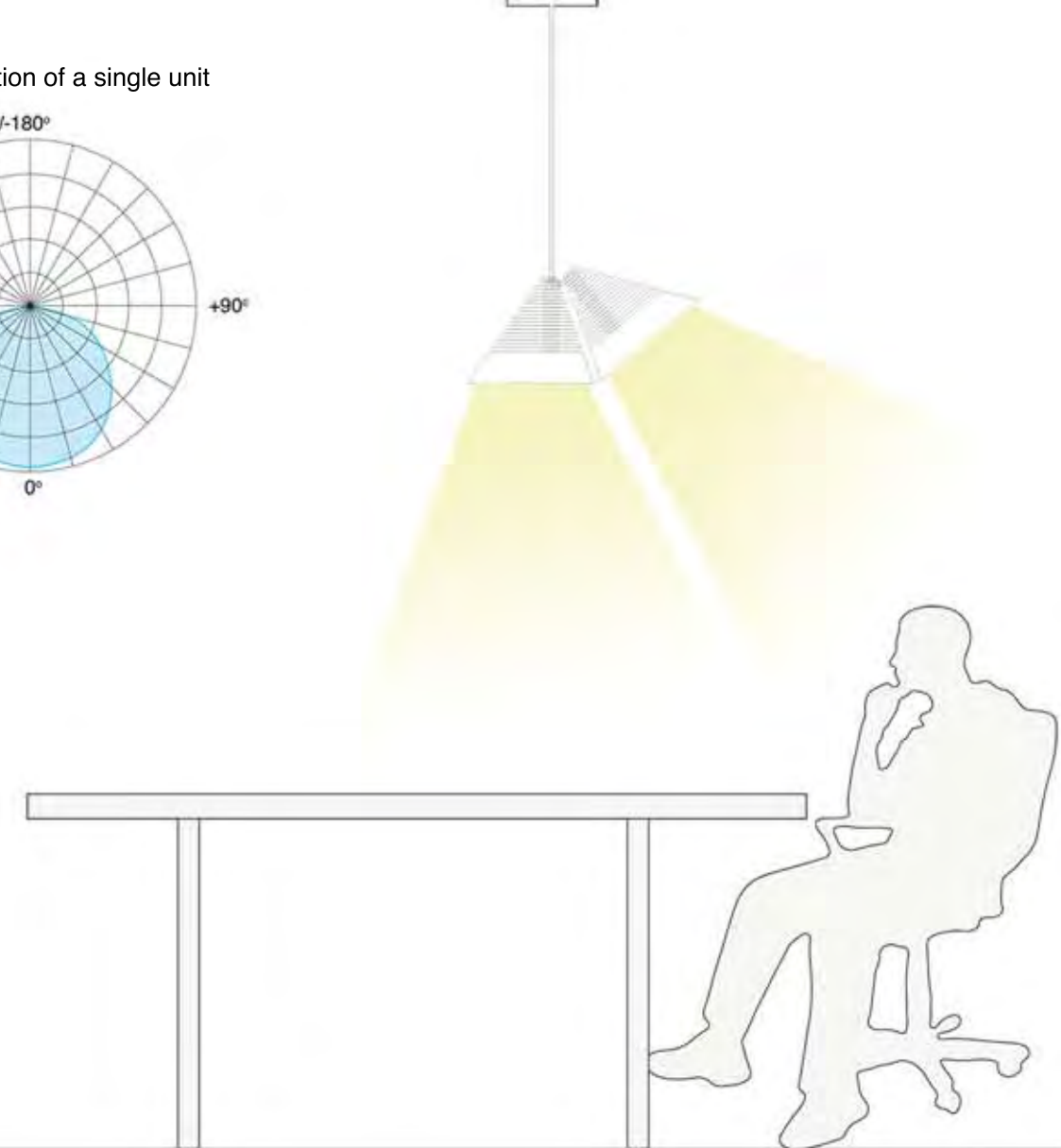
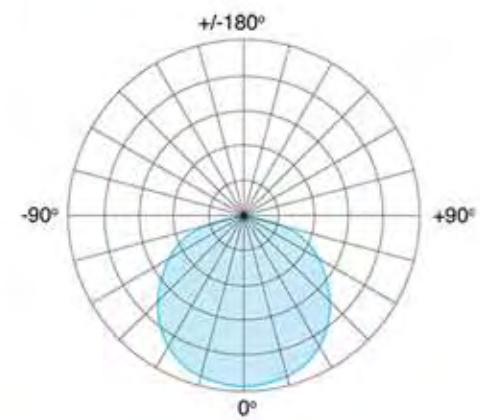


BUCKY-LED
Smart Units of light

**design by Basar Erdener
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light distribution of a single unit



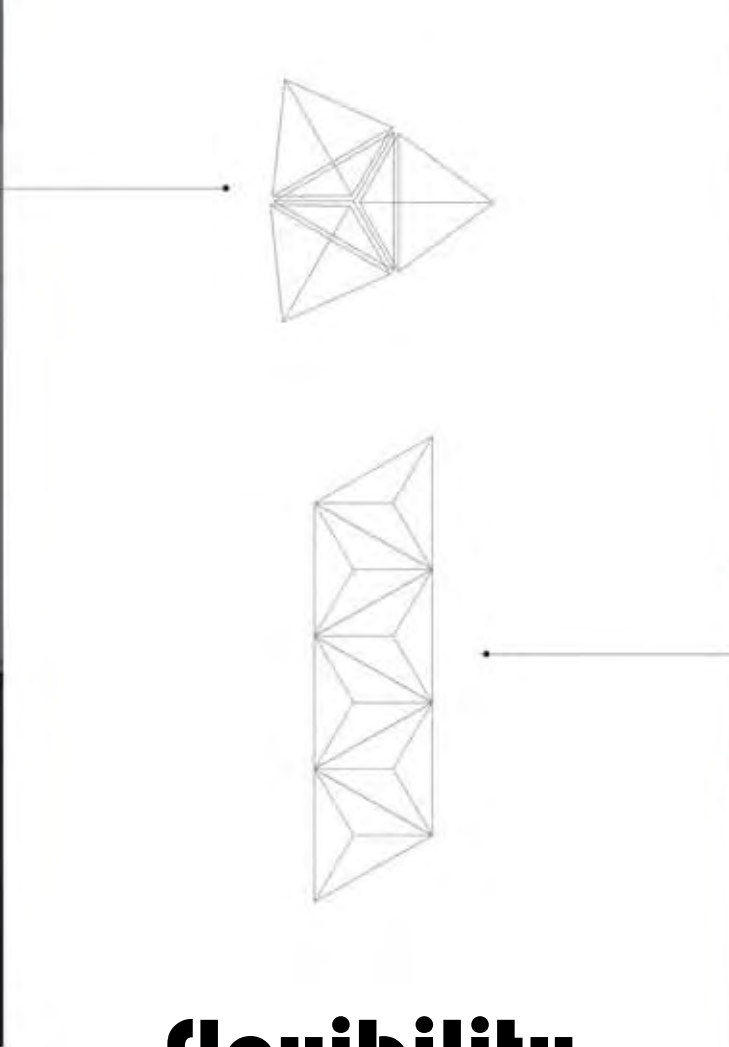
the concept

BUCKY-LED is an elegant, highly flexible and energy efficient lighting system for office spaces. It uses the unique remote phosphor technology to give out warm, glare-free and diffused light distribution. A single unit of the system comes in three sizes and it is a perfect tetrahedron. These units can be populated to provide unique solutions according to the needs of the architecture as well as the occupants.

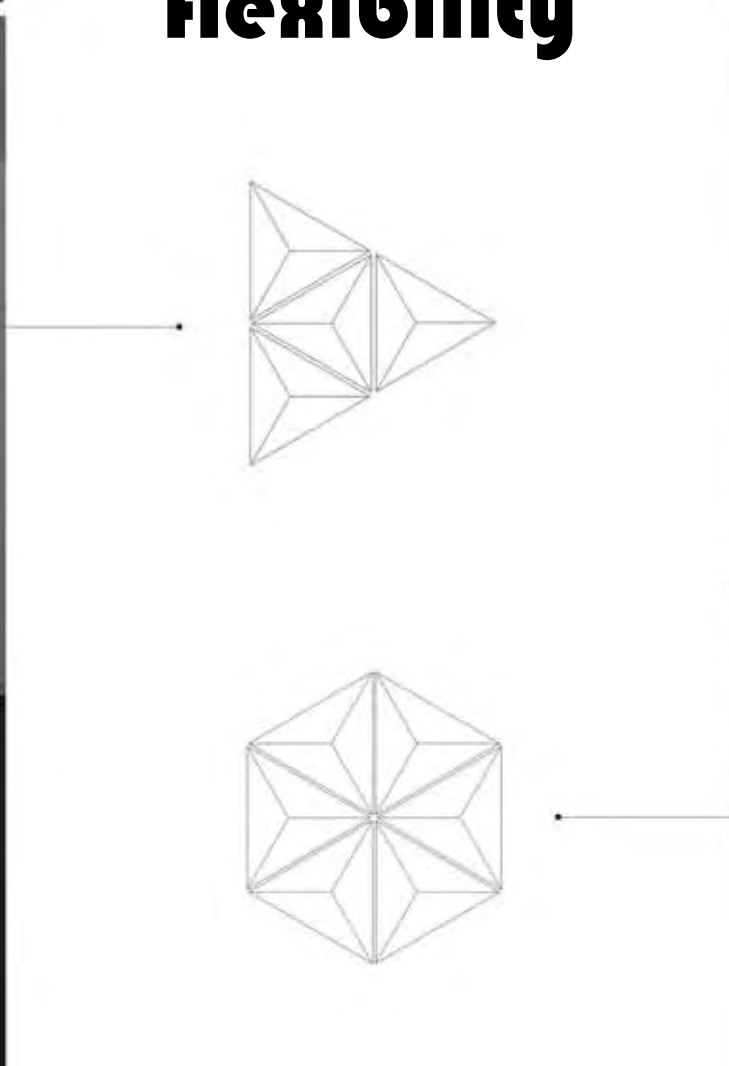
BUCKY-LED system is more than a lighting product. At the same time, it is a remarkable opportunity for lighting design service. Based on a simple algorithm, the lighting designer can offer customized solutions for their customers with BUCKY-LED system. The light distribution on vertical and horizontal surfaces can be specified by the designer and these units can be selectively controlled to create several modes of distribution.

The system is an excellent solution for meeting and video conference rooms. Based on the angle of the camera, the light distribution can be controlled to illuminate the faces of the participants as well as the horizontal working surfaces. Therefore, all of the participants on both sides can enjoy comfortable visual scenes. The units are dimmable and they are controlled in groups that can also be decided by the lighting specifier.

A single unit consist of only a few parts that can be produced, assembled and installed very easily. The units come together by a special snapping system and all the wiring runs through these construction pieces. From a sphere to perfectly flat surface, the possibilities are endless with BUCKY-LED.

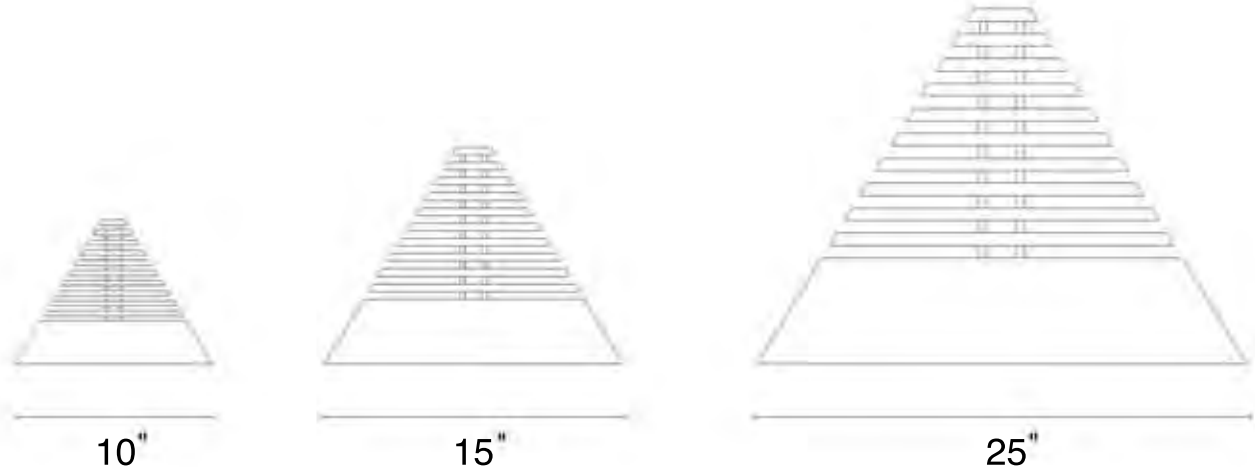


flexibility



technical details

Tetrahedrons in Three Sizes



Connection Details

