



HUVCO

HUVCO High Performance Daylighting System with a Flared Light Well

Why use a flared light well?

For maximum daylighting!

The flared light well will outperform a straight light well of the same size top dome.

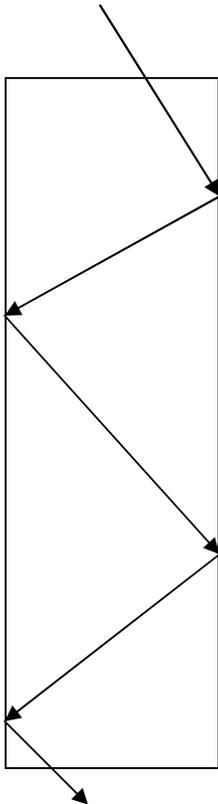
How does it work?

When sunlight enters the light well with the mirrored interior surface, it bounces off the surface at a right angle. So with the simplified drawing below you can see that the flared design will result in less bounces off the surface of the light well. Because the surface of the light well is 98% reflective, it will lose 2% of the light each time it bounces off the surface.

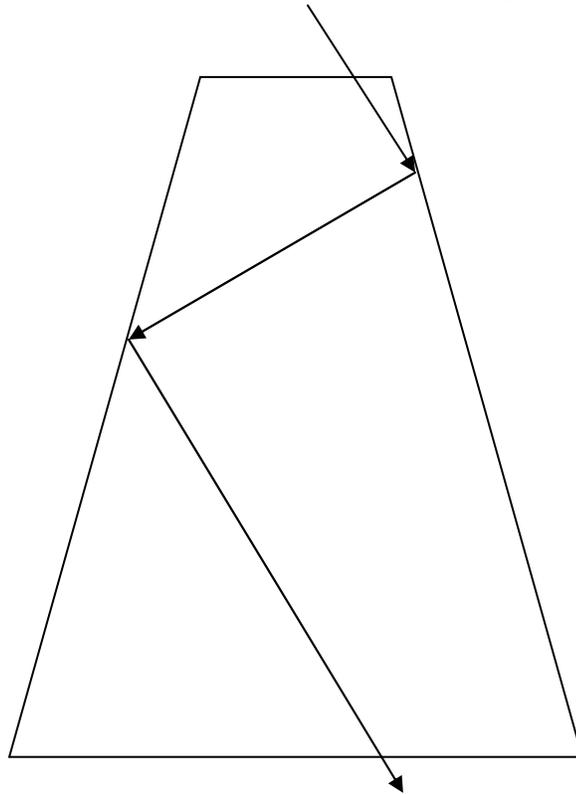
So less bounces = more light!

As the sun travels through the horizon, the advantage of the flared light well versus the straight well will vary throughout the day. The length of the light well will also make a difference.

The larger bottom lens will result in better diffusion of light over a bigger area.



Four bounces =
8% reduction in light



Two bounces =
4% reduction in light

DAYLIGHTING SOLUTIONS®

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