



## Heat + Glare blocker for Glass

### Features



- ⦿ Improves Daylighting
- ⦿ Rejects heat & controls glare
- ⦿ Good vision through panel (up to 70%)
- ⦿ Simple and passive system
- ⦿ Easy to fix light weight panels for existing & new buildings

### Working



Glass is transmittive media. Using glass, people get connected to exteriors and work with nature's cycle. Buildings look more expressive because of views through it. This is most sought out feature of glass and reason why glass is used in building fenestration. Glass also allows solar radiation inside giving light & heat. Excess light causes glare and heat in warmer countries is unwelcome. Using blinds on glass will help only in reduction of glare. It doesn't help in heat reduction and increase of Daylight. They reduce vision through glass.

## Why Skyshelves VG panels?

Block the heat

Reduce glare

Improves Day lighting retaining the vision of Glass

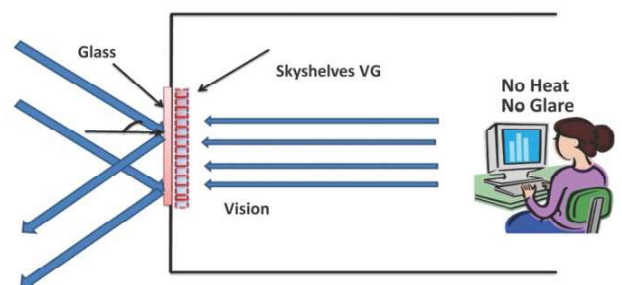


Fig.3

{ High angle cutoff }

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## Light Shelf panels for Daylighting

### Features



- ☉ Sunlight redirecting panels to ceiling
- ☉ Can give light penetration deep inside
- ☉ For existing or new buildings
- ☉ Light weight & easy to fix from inside
- ☉ Allows light penetration on diffused (cloudy) sky

### Working



Normally Sunlight transmits through window glass or structural glazing creating bright spots on floor near to window. For any point away from the bright spot, light intensity drastically falls calling for switching on Electrical lighting.

To avoid glare caused by bright spots, people cover the glass with blinds. This blocks the light Transmission and calls for electrical lighting. These practices are energy inefficient as they forcefully block natural sunlight and use electric power.

Skyselves DG avoids this anomaly. It redirects sunlight incident on glass on to building ceiling. Ref figure. This redirected light reflects of the ceiling giving diffused, bright light.

### Integration of Electrical lighting with Daylighting

Installing Skyselves DG panels, electrical lighting can be integrated with Daylight using lighting controls enhancing energy savings and facilitating convenience.

Skyshade provides Day 360 lighting controls that can seamlessly integrate electrical lighting to available Daylight with automatic controls.

### Skyselves Integration with Day360

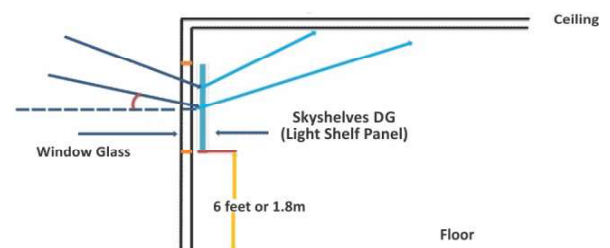
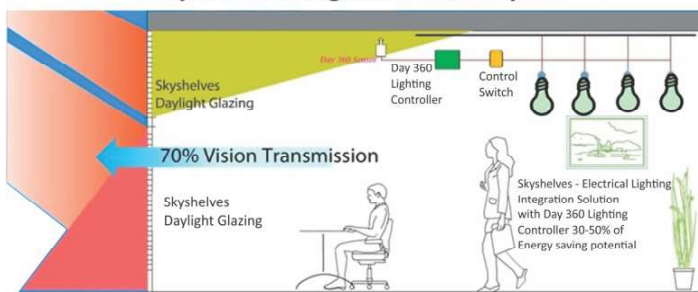


Fig.1