

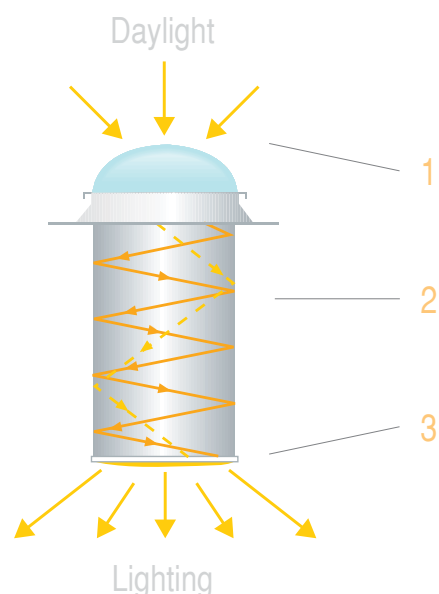


*Light Every Space  
Without Electricity*





## How does it work?



1 Special acrylic dome placed on the roof, passes the daylight on reflecting pipe.

2 Daylight which is entering into the pipe system, thanks to the high reflectivity of the pipe, is transmitted like a mirror to the reflecting diffuser.

3 Diffuser distributes the daylight in a homogenous way and provides natural lighting. Sunvia natural daylight system does not need any electricity, wiring or switches.



## Why Prefer Sunvia Daylighting System?

### 1- IT PROVIDES ENERGY SAVINGS

Provides consistent daylight throughout the day, regardless of the sunshine outside. Sunvia works with zero energy and reduces lighting energy costs. It also reduces the heat load caused by artificial lighting and allows you to save energy by decreasing the need for air-conditioning.

SUNVIA SV-550, has equal lighting performance of 400 W power fluorescent on sunny weather.

### 2- IT IS 'GREEN' AND NATURE-FRIENDLY

If you use natural lighting instead of energy for artificial lighting, carbon footprint and the amount of carbon-dioxide released into nature is reduced.

SV-550 prevents approximately 800 kg/year carbon-dioxide emission with 8 hours a day working period.

### 3- IT PROVIDES PERFORMANCE INCREASE

The employees that work in the factories and offices which have daylight, become sick less and work more productive than the others that works under artificial light.

### 4- IT ALLOWS YOU TO INCREASE RETAIL SALES

It provides larger interior atmosphere.

It is observed that the sales rates of products in an area illuminated by daylight are higher than the products sold under artificial light.

### 5- IT INCREASES THE LEARNING PERFORMANCE

It increases the learning performance. It is observed that success rates of students in day lighted schools increased by 20-30 %.

### 6- IT IMPROVES MORALE AND HEALTH

People need daylight to live and work, with a sense of well-being. It is also observed that recovery time for patients in hospital is shortened.

Contributes to your



LEED and BREEAM® certification

## TECHNICAL SPECIFICATIONS

Sunvia DayLighting systems allows you to use internal lighting solutions with natural light for home, office, warehouse, factory, shopping centers and sports halls.

**1. Acrylic Dome :** 92% Efficient light transmission (DIN5036), 12 Kj/m2 impact strength (DIN 53453) made of special material. It is self-cleaning by rain and the structure is snow repellent.

**2. Base of Dome :** It is made of seamless aluminum which allows the complete installation to be made from the roof directly, lightweight and corrosion resistant; electro-static painted and allows drainage in the case of condensation.

### 3. Flashing :

**Flat roof flashing :** Custom design provides easy installation, the material is lightweight and corrosion resistant, electro-static painted and made of solid aluminum.

**Angular roof flashing :** It can be manufactured according to different slope angles of the roof and the material is electro-static painted galvanized sheet.

**4. Reflective Pipe :** It is produced specifically for daylighting systems, has a high reflection coefficient of over % 98 (% 98,5 DIN5036-3 , %99 ASTM E-1651), UV-resistant, % 99,99 silvercoated and is produced from % 99,85 purity aluminum.

**5. Diffuser :** With high light transmission, providing a homogeneous distribution of light, using prismatic, acrylic reflective lenses.

**6. Accessories :** Elbows for the rotation of the pipe to the required angle, light dimmer, light kit, roof-top extension tubes providing ease of application and other solutions that increase comfort.

Model	Diameter (mm)	Area (m2)	Watt Equivalent power
SV-350	350	20-25	250W
SV-550	550	30-35	400W
SV-900	900	50-60	750W

Lighting areas and power values depends on the strength of the sunlight available as well as the height of the diffuser from ground and the length of the reflective pipe.

1. Acrylic Dome



2. Base of Dome



3. Flashing



4. Reflective Pipe



5. Diffuser

