

Brighten up your places with zero energy



Sunvia Daylighting system allows you to use internal lighting solutions with natural light for homes, offices, warehouses, factories, malls, markets, sports centers and swimming pools.

- It provides energy saving
 - It is 'green' and nature friendly
 - It provides performance increase
 - It allows you to increase retail sales
- It increases the learning performance
 - It contributes to your LEED and BREEAM certification
 - It improves morale and health status

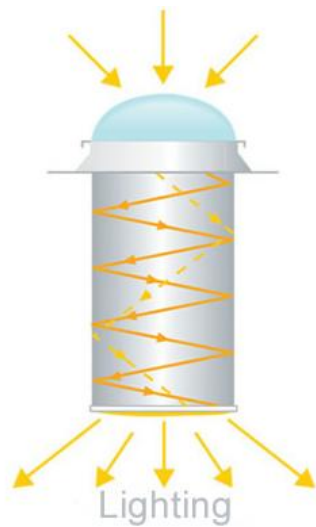


Sunvia Natural Daylighting Tubular System, brings daylight to our places with zero energy, contributes to user and the country economy. It minimizes the artificial lighting systems usage during daytime and is a product that brings light with daylight. Sunvia natural daylighting system with zero energy is nature friendly and prevents carbon emission. Sunvia does not transfer UV and heat to the places due to its special design. Sunvia Daylighting System also contributes to your life quality psychologically and physiologically. Sunvia tubular system creates a larger and more pleasant atmosphere in the rooms.

Member of Çedbik and Ostim Energy Organization.



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.



Why Prefer Daylighting?



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 SV550, 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 artificial lighting that consumes energy, 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 ill less often and work more productively than the others that work 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.



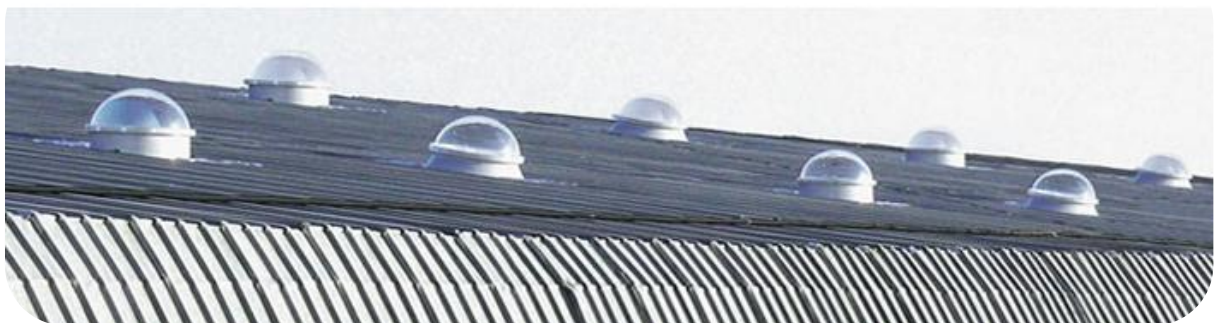
5. IT INCREASE THE LEARNING PERFORMANCE:

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



6. IT IMPROVES MORALE AND HEALTH STATUS:

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.



Technical Specifications



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:

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



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 % silver coated 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.

Models

SV-250

SV-250 type is produced for small places like home, office, bathroom, corridors and garages. SV-250 meets the requirements of small places with natural light with its esthetic structure, high lighting performance, strength and easy installation.

Technical Details

- Acrylic dome with high light transmission.
- Reflective channel with high reflecting coefficient and UV resistant.
- Acrylic diffuser with high light transmittance and homogeneous light distribution.
- Accessories provide easy installation for different architectural needs.

Performance Values

LIGHTING AREA:	<ul style="list-style-type: none">• 15-20 m2
EUIVALENT POWER:	<ul style="list-style-type: none">• 150 Watt
ROOF TYPE TO FIX:	<ul style="list-style-type: none">• FLAT• ANGULAR• WOODEN• ALUMINIUM SANDWICH PANEL
CEILING TYPE TO FIX:	<ul style="list-style-type: none">• OPEN• CLOSED
DIFFUSER TYPE:	<ul style="list-style-type: none">• PRISMATİK / LINEAR
ACCESSORIES:	<ul style="list-style-type: none">• DIMMER• LIGHT KIT• ELBOWS• CLOSED CEILING DIFFUSOR• ROOF TOP EXTENSION TUBE

Application Areas

- Garages
- Offices
- Bathrooms
- Corridors
- Entries
- Rooms
- Kitchens
- Bedrooms
- Laundries

SV-350

SV-350 is produced for medium sized areas like offices, libraries, classes. SV-350 is highly efficient for medium sized areas with its esthetic structure, high lighting performance, strength and easy installation.

Technical Details

- Acrylic dome with high light transmission.
- Reflective pipe with high reflecting coefficient and UV resistant.
- Acrylic diffuser with high light transmittance and homogeneous light distribution.
- Accessories provide easy installation for different architectural needs.

Performance Values

LIGHTING AREA:	• 20-25 m2
EUIVALENT POWER:	• 250 Watt
ROOF TYPE TO FIX:	• FLAT • ANGULAR • WOODEN • ALUMINIUM SANDWICH PANEL
CEILING TYPE TO FIX:	• OPEN • CLOSED
DIFFUSER TYPE:	• PRISMATİK / LINEAR
ACCESSORIES:	• DIMMER • LIGHT KIT • ELBOWS • CLOSED CEILING DIFFUSOR • ROOF TOP EXTENSION TUBE

Application Areas

- Garages
- Offices
- Bathrooms
- Entries
- Rooms
- Kitchens
- Bedrooms
- Laundries

SV-550

SV-550 is produced for larger places where lighting is important and there is high level of people. Typical usage areas are large offices, stores, meeting rooms and classrooms. SV-550 distributes daylight to areas with high performance and provides maximum benefit where used.

Technical Details

- Acrylic dome with high light transmission.
- Reflective pipe with high reflecting coefficient and UV resistant.
- Acrylic diffuser with high light transmittance and homogeneous light distribution.
- Accessories provide easy installation for different architectural needs.

Performance Values

LIGHTING AREA:	• 30-35 m2
EUIVALENT POWER:	• 400 Watt

ROOF TYPE TO FIX:	<ul style="list-style-type: none"> • FLAT • ANGULAR • WOODEN • ALUMINIUM SANDWICH PANEL
CEILING TYPE TO FIX:	<ul style="list-style-type: none"> • OPEN • CLOSED
DIFFUSER TYPE:	<ul style="list-style-type: none"> • PRISMATİK / LINEAR
ACCESSORIES:	<ul style="list-style-type: none"> • DIMMER • LIGHT KIT • ELBOWS • CLOSED CEILING DIFFUSOR • ROOF TOP EXTENSION TUBE

Application Areas

- Garages
- Offices
- Bathrooms
- Corridors
- Entries
- Rooms
- Kitchens
- Bedrooms
- Laundries

SV-900

SV-900 is highly efficient at large and high buildings. Less number of units are used with higher lighting area and higher lighting strength.

Technical Details

- Acrylic dome with high light transmission.
- Reflective pipe with high reflecting coefficient and UV resistant.
- Acrylic diffuser with high light transmittance and homogeneous light distribution.
- Accessories provide easy installation for different architectural needs.

Performance Values

LIGHTING AREA:	<ul style="list-style-type: none"> • 50-60 m2
EQUIVALENT POWER:	<ul style="list-style-type: none"> • 750 Watt
ROOF TYPE TO FIX:	<ul style="list-style-type: none"> • FLAT • ANGULAR • WOODEN • ALUMINIUM SANDWICH PANEL

CEILING TYPE TO FIX:	<ul style="list-style-type: none"> • OPEN • CLOSED
DIFFUSER TYPE:	<ul style="list-style-type: none"> • PRİSMATİK / LINEAR
ACCESSORIES:	<ul style="list-style-type: none"> • DIMMER • LIGHT KIT • ELBOWS • CLOSED CEILING DIFFUSOR • ROOF TOP EXTENSION TUBE

Application Areas

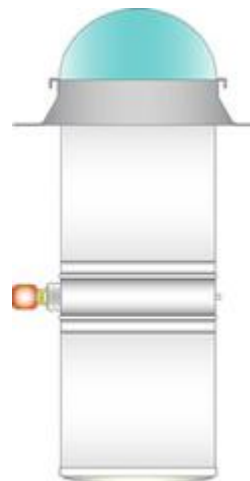
- Factories
- Stock Rooms
- Exposition Areas
- Lecture Hall
- Markets
- Car Park
- Fitness Center

Accessories

Dimmer

This accessory allows the dimming of the daylight, when it is not requested at day time. On/off controlled flap cut off daylight transmittance.

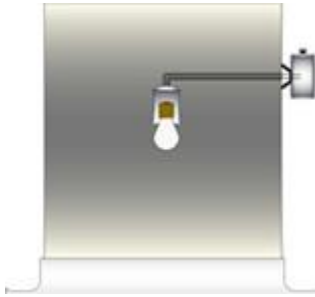
Application areas: Meeting and seminar rooms, bedrooms etc.



Artificial Lighting Kit

This kit is installed inside the Sunvia Daylighting System and provides lighting at evening and night times when there is no daylight.

Note: For SV-250 and SV-350 models only.



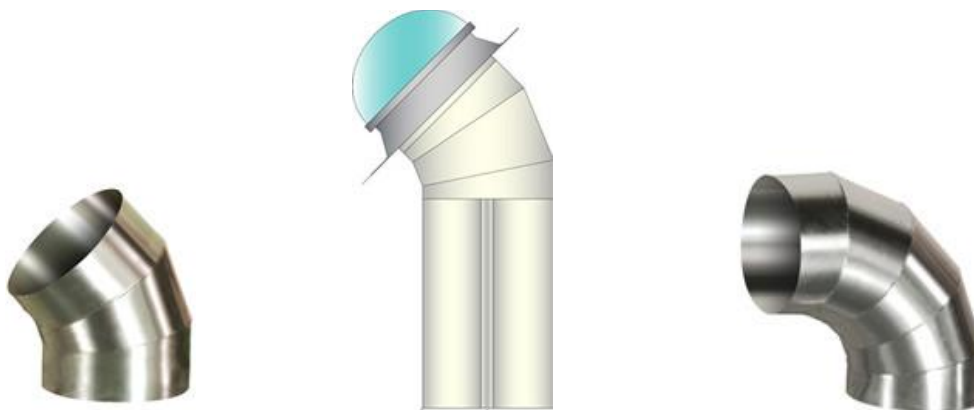
Adjustable Tube

Adjustable tube is an optional part with high reflectivity rate to transfer the light, that can be adjusted manually at locations where curves are during installation. Adjustable tubes are made with 0 – 45 angles.



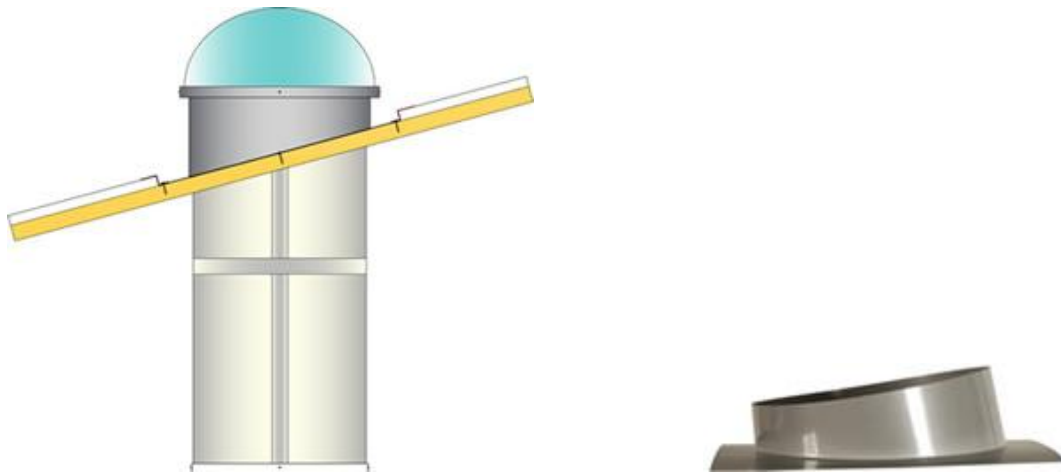
Elbows

This accessory is made from the same material of reflective channel and it allows the pipe to be turned to different directions.



Angular Roof Flashing

Angular roof flashing holds the dome straight for maximum benefit from sunlight if the building direction is not looking south. It is made of electro-static painted galvanized sheet.



Close roof diffuser

Easily installed esthetic type diffuser for home, school, hospital and office. There are 2 types of diffusers, which are round and square.



Roof-top Extension Tubes

These are the accessories used for roofs with shadows. It extends the dome to benefit from the sunlight.

