

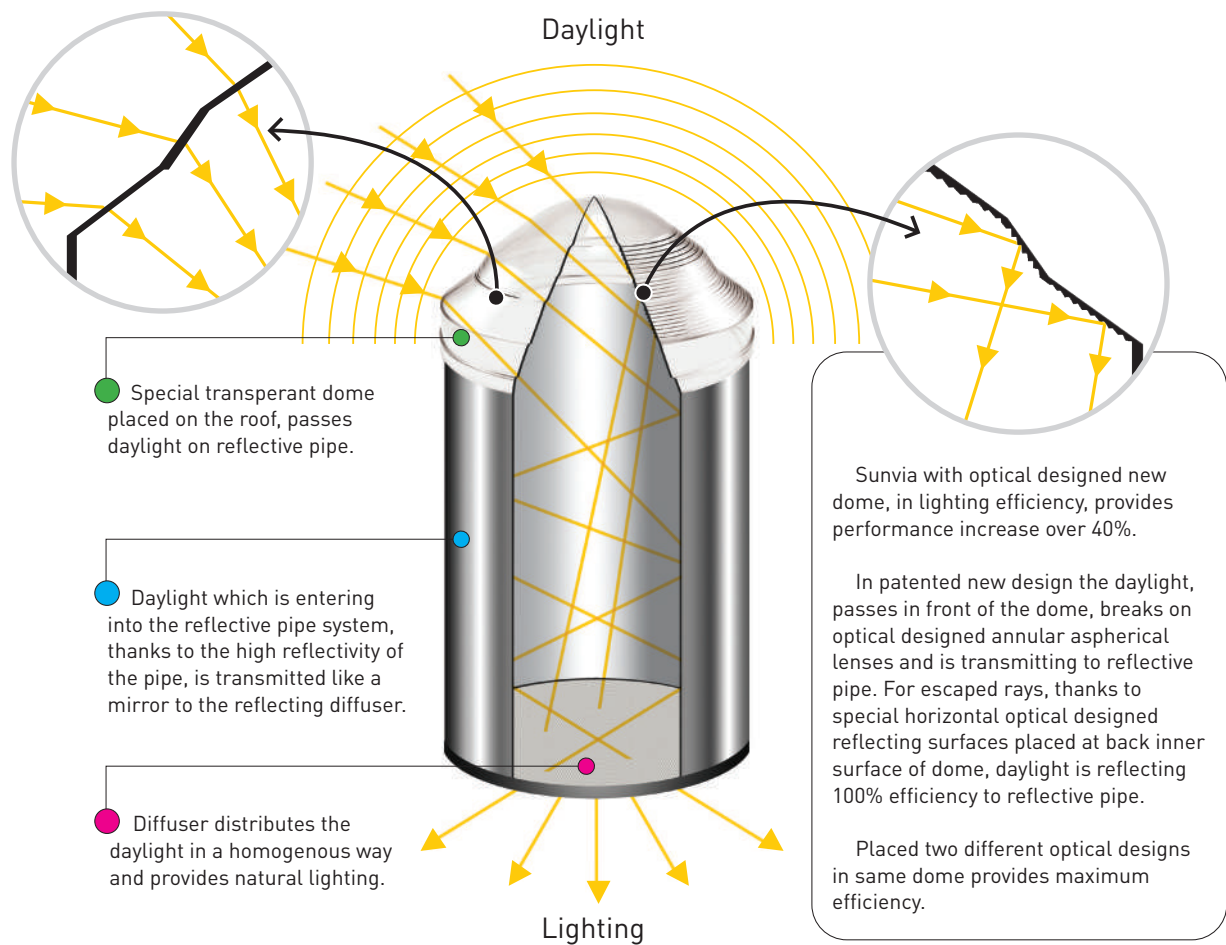
Sunvia®

Daylighting Systems



FORM

How does it work?

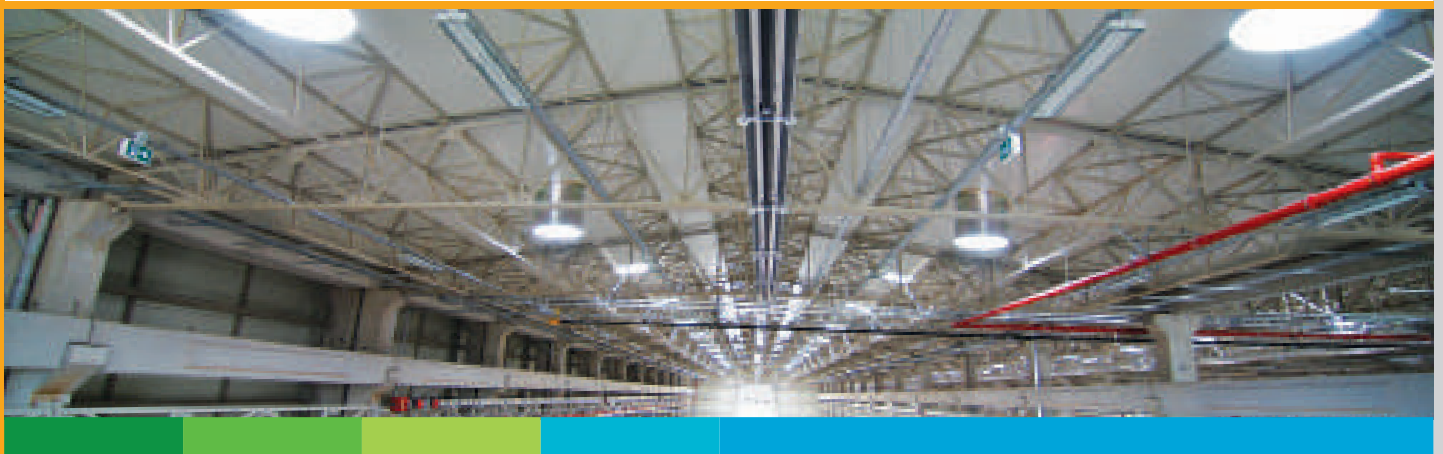


Why Sunvia[®] Tube?

IT PROVIDES ENERGY SAVINGS
 IT IS GREEN AND NATURE-FRIENDLY
 IT PROVIDES PERFORMANCE INCREASE
 IT ALLOWS YOU TO INCREASE RETAIL SALES
 IT INCREASES LEARNING PERFORMANCE
 IT IMPROVES MORALE AND HEALTH



Contributes to LEED and BREEAM certificates



Technical Specifications



1. Transperant Dome:

In patented design , the daylight, passes in front of the polycarbonate dome, breaks on optical designed annular aspherical lenses and is transmitting to reflective pipe. For escaped rays , thanks to special horizontal optical designed reflecting surfaces placed at back inner surface of dome, daylight is reflecting to the reflective pipe. 90 % high efficient light transmission (ASTM D 1003) 12 Kj/m² impact strength (ISO 180/1A) made of special material so that 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. Angular roof flashing can be manufactured according to different slope angles of the roof.



4. Reflective Duct:

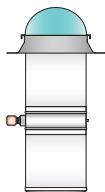
It is a pre-anodized aluminum reflective material specifically manufactured for daylight illumination systems, with high reflection efficiency, resistant to UV and weather conditions.



5. Diffuser:

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

Accessories



Dimmer

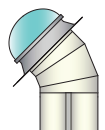
This accessory allows the dimming of the daylight, when it is not requested at day time. On/off controlled flap cut off daylight transmittance. Application areas: Meeting and seminar rooms, bedrooms etc.



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 SVT-250 only.



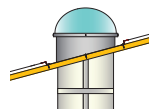
Adjustable Tube

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.



Telescopic Roof Flashing

Thanks to its patented telescopic design, this specially developed roof base allows the angle to be adjusted up to 15°. It can be directly applied to sloped roof surfaces, offering easy installation and maximizing solar energy efficiency. It is manufactured from Aluminium steel coated with electrostatic powder paint.



Roof-top Extension Tubes

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



Residential Application

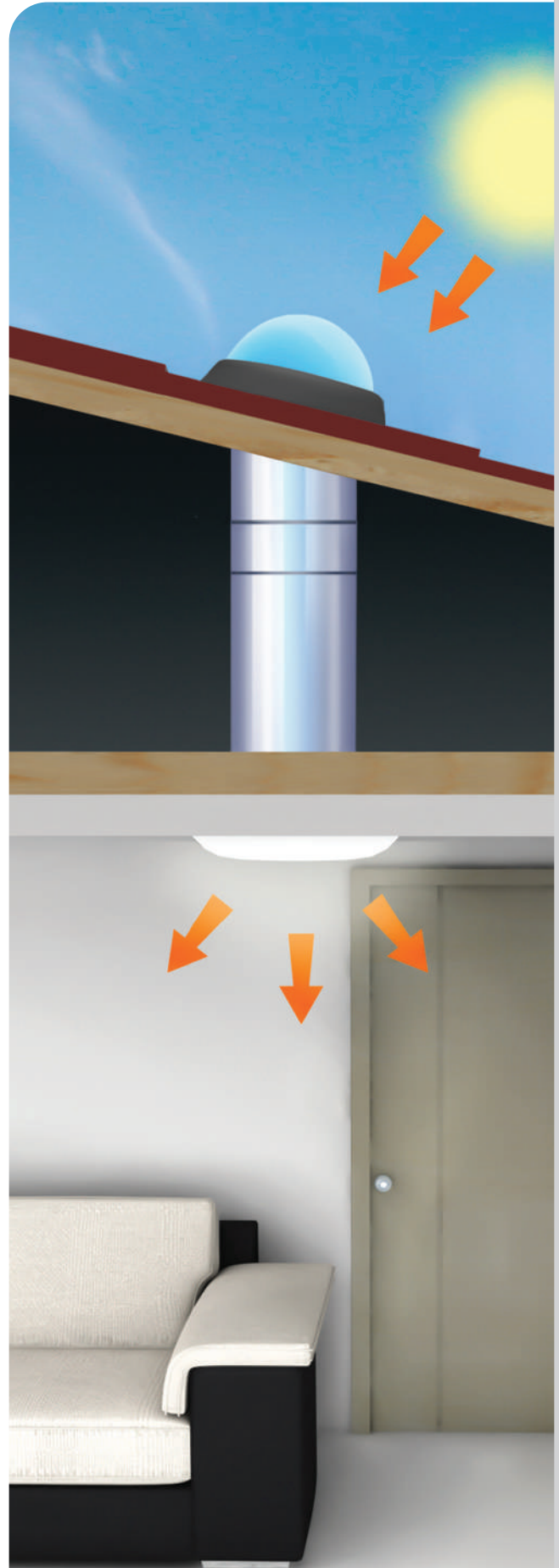
SVT-250 model is produced for small places like home, office, bathroom, corridors and garages.

SVT-250 meets the requirements of small places with natural light with its esthetic structure, high lighting performance, strength and easy installation.

It features a specially developed roof base with a patented telescopic design, allowing the angle to be adjusted up to 15°. It can be directly applied to sloped roof surfaces, offering easy installation and maximizing solar energy efficiency.



Model	Diameter (mm)	Area (m2)	Watt Equivalent power
SVT-250	250	15-20	150W



Commercial Application



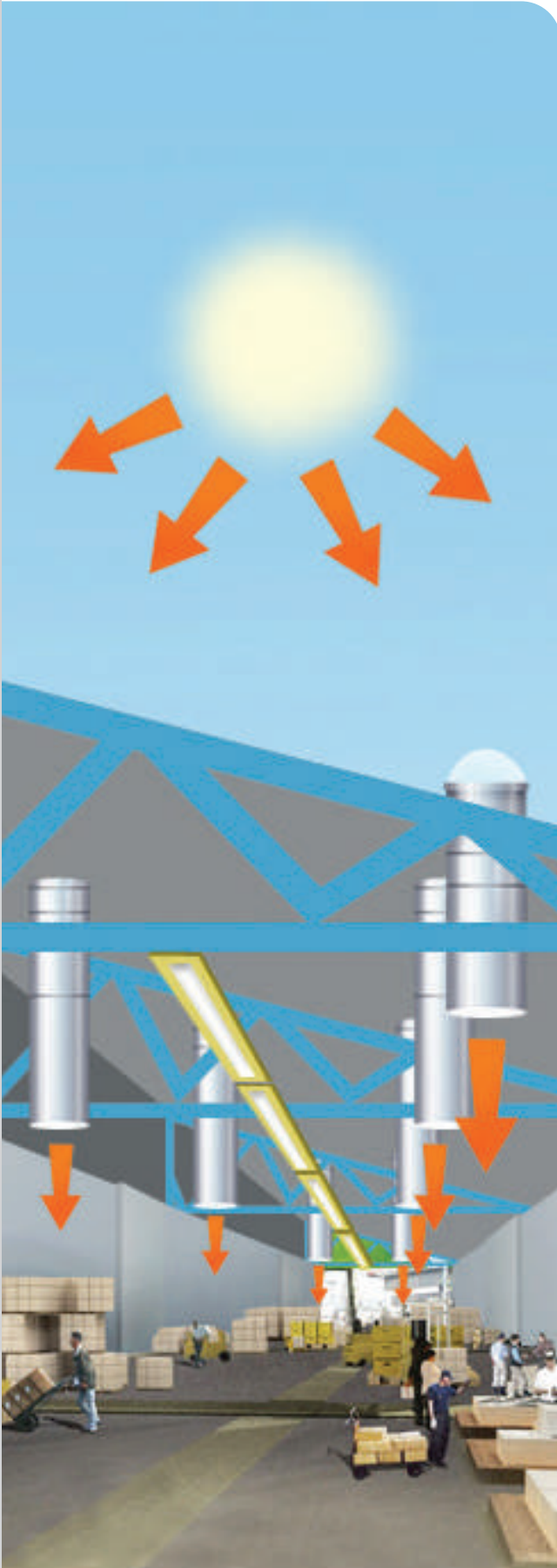
SVT-900 and SVT-550 models are highly efficient at large and high buildings.

Less number of units are used with higher lighting area and higher lighting strength.

These models are produced for larger places where lighting is important and there is high level of people.

SVT-550 and SVT-900 models distribute daylight to areas with high performance and provides maximum benefit where used.

Typical usage areas are factories ,stock rooms ,markets large offices, stores, meeting rooms and classrooms.



SVT-550



Model	Diameter (mm)	Area (m2)	Watt Equivalent power
SVT-550	550	30-35	400W

SVT-900



Model	Diameter (mm)	Area (m2)	Watt Equivalent power
SVT-900	900	50-60	750W

FORM ENDÜSTRİ TESİSLERİ

Since 1965, FORM Endüstri Tesisleri A.S. is the R&D and domestic production base of Form Group, with its environmentally friendly, high-quality, solution-oriented products and services on a wide scale ranging from high energy saving air conditioner products to zero energy consumption industrial solutions.

The company, which carries out its activities in its factory having 20,000 m² production area in İzmir, has two main activities. The first is the manufacture and sale of natural ventilation, smoke and heat evacuation systems, evaporative coolers and natural daylight systems, mostly for the roofs of industrial buildings. The second is the OEM production of rooftops, water source heat pumps, air handling units and fan coils for group companies.

FORM ENDÜSTRİ TESİSLERİ SANAYİ A.Ş.

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FORM GROUP COMPANIES

Founded in 1965, FORM Group of Companies produce, import, sell and service Air Conditioning and Industrial system equipments to ensure the improvement of lifespan and production quality of people and products.

FORM Group of Companies is one of the leading companies in its field that respects the environment and ethical values, offering high energy efficiency and environmentally friendly system solutions.

Form Endüstri Ürünleri

- Rooftop Packaged Units
- Chiller & Heat Pumps
- Water Source Heat Pump Units
- Air Handling Units & Fancoils
- Heat Recovery Units
- Cooling Towers
- Santrifuge Chillers

Form MHI Klima Sistemleri

- VRF Systems
- Split Units
- Multi Split Units
- Professional Units
- Heat Pump Units
- Air to Water Heat Pump Units
- DX Air Handling Units

Form Endüstri Tesisleri

- Smoke Evacuation Systems
- Natural Ventilation Systems
- Evaporative Cooling Units
- Daylighting Systems
- Roof Access Hatches

Form Freva Soğutma Sistemleri

- Open Circuit Cooling Towers
- Close Circuit Cooling Towers
- Hybrid Cooling Towers
- Evaporative Condensers
- Adiabatic & Dry Cooling Units