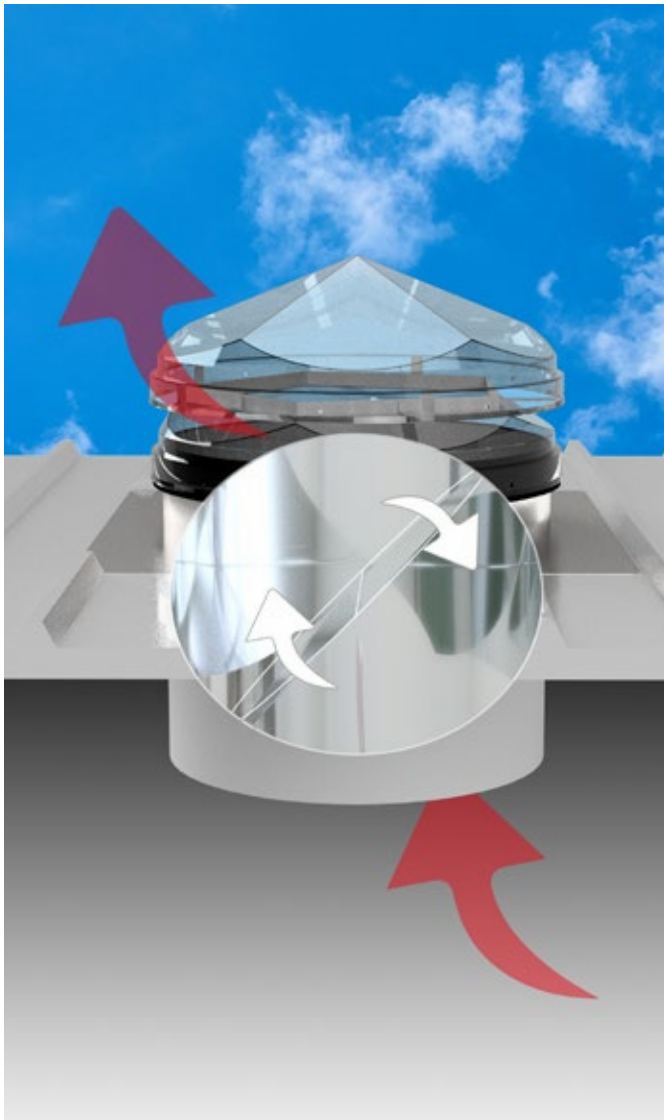


AIRLIGHT

Natural Ventilation + Solar Lighting
Chatron's New Innovative Product





Airlight is an innovative product from Chatron that brings several advantages for use in buildings.

Some of these advantages include:

- **Natural lighting:** Airlight captures natural sunlight and transmits it into buildings, which can significantly reduce the need for artificial lighting during the day. In addition, natural light is healthier and can increase the productivity and well-being of building occupants.
- **Energy savings:** With Airlight, it is possible to reduce electricity consumption for lighting and artificial ventilation, which can result in energy savings and cost savings.
- **Natural ventilation:** Airlight also works as an outlet for hot air from inside the building, which can improve natural ventilation and fresh air circulation.
- **Thermal comfort:** With the natural ventilation provided by Airlight, it is possible to maintain a cooler and more pleasant indoor environment during the summer, reducing the need for air conditioning and increasing the thermal comfort of the occupants.
- **During the winter,** the Airlight has a motorized damper that can be closed (cut off the indoor/outdoor air circulation) through a transparent polycarbonate butterfly valve, allowing it to function as a Solar Tube all year round in summer and winter.

Model	Diameter (mm)	Estimated Light (Lux) (*)	Estimated ventilation (m3/h) (**)	Estimated ventilation with pressurization (m3/h) (***)
AL 250	250	2900	75	940
AL 350	350	6700	140	1.750
AL 530	530	13000	320	4.000
AL 750	750	24000	640	8.000

(*) 14 h with clear sky outside

(**) Estimated velocity of 0.4 m/s as average in natural ventilation

(***) Estimated speed of 4 m/s when installations are pressurized with Biocooler units or similar ones

AirLight is a sustainable product as it reduces electricity consumption and promotes the use of natural resources such as sunlight and natural ventilation.

In summary, Airlight is an innovative solution that brings many benefits to buildings, including natural lighting, energy savings, natural ventilation, thermal comfort and environmental sustainability.

CIRCULAR ECONOMY - Model: product lifespan increase

Product developed within the framework of a transitional D&D project by Chatron Lda. for a circular economy, which significantly extends the lifetime of the Solar Tube components, giving them a later function of natural ventilation.



Factory: Travessa da Zona Industrial - 1, n.º 95 Rossio, 3730-601 Vila Nova do Perrinho, Vale de Cambra, PORTUGAL.

Tel. (+351) 256 472 888

Chamada para rede fixa nacional

Email: comercial@chatron.pt

Url: www.chatron.pt

Distribuidor: