


# Solatube® SkyVault® Series

Big tubes for big spaces







## SkyVault Series Benefits

The Solatube SkyVault Series is a groundbreaking line of modular, high output tubular daylighting devices that deliver massive amounts of daylight to large volume spaces with high, open ceilings. This gives building designers a daylighting solution that provides maximum output while minimizing impact on the building envelope and significantly reducing installation costs.

- Maximizes light collection for greater daytime illuminance

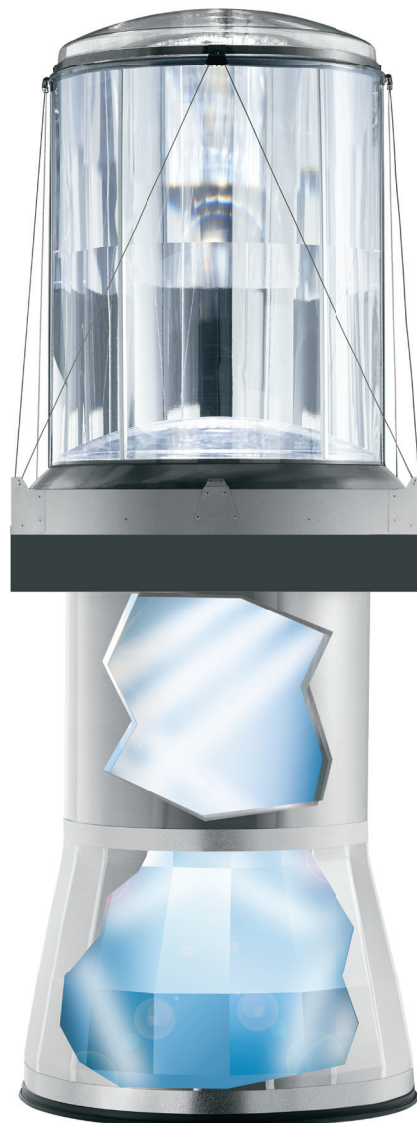
- Provides exceptional thermal efficiency for comfortable interior temperatures year-round

- Enables greater spacing between units with fewer roof penetrations for reduced costs and a less cluttered ceiling

- Minimizes labor and waste through design innovations and smarter shipping methods for reduced installation times and expenses

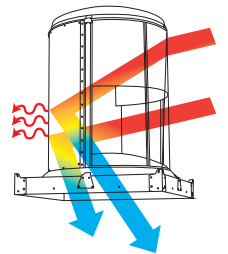
## Our Biggest, Boldest Technology Yet

The Solatube SkyVault Series (29 in./740 mm diameter) features revolutionary dome and daylight collector technologies that allow an enormous amount of light to enter an area. The system captures the sun's rays at the rooftop level and can transfer them extensive lengths through the world's most reflective tubing. A specially designed diffuser then disperses the daylight throughout the space, allowing it to reach places where natural light has rarely been possible. This modular system offers options for increasing light capture and focusing light to the task level, depending on the requirements of the space.



### Maximized Capture

Advanced domes and daylight collection technologies capture daylight using proprietary rooftop technologies that harvest low-angle morning, afternoon, and winter daylight to increase light output.



### Raybender® HD Technology

A vertical daylight-capturing lens that harvests more low-angle light to boost output in normal and low-light conditions.

### LightTracker™ Technology

An innovative in-dome reflector made of Spectralight® Infinity material and featuring Cool Tube Technology that increases light output and minimizes solar heat gain.

# Efficient Transfer

The world's most reflective tubing transfers maximum daylight from rooftop to diffuser with minimal light loss and perfect color rendition.



## Spectralight® Infinity Tubing

Proprietary material with Cool Tube Technology delivers 99.7%\* specular reflectivity for maximum daylight transfer.

*\*Specular reflectance greater than 99% with wavelength specific reflectance up to 99.7% for the visible spectrum*



## INFRAREDuction Technology

A technology integrated into Spectralight Infinity tubing that uses a proprietary process to filter out infrared wavelengths and minimize solar heat gain.

## Focused Delivery

Specially designed optical lenses evenly disperse daylight throughout the area to reduce glare and provide visual comfort, or direct light to the work plane.



## 0-10V Daylight Dimmer

At times it may be necessary to reduce the amount of daylight in your space. Made of the same material as our Spectralight Infinity Tubing, the optional dimmer uses a patented butterfly baffle design and can be integrated into virtually any 0-10v digital lighting control system to ensure even light distribution in any position.



## High Volume Areas

## Warehouse & Industrial

## Hospitality

## Convention Centers

## Airports

## Gymnasiums





# SkyVault Series Models



With the modular SkyVault Series, daylighting large spaces is no longer an impossible task. Its numerous collection and delivery options allow you to create a configuration for any specific project need while its sophisticated yet simple design makes it easy to install and requires no maintenance. Important aspects to consider when your daylighting system is 20 to 100 ft (6 m-30 m) or more above the floor.

## Solatube M74 DS

The Solatube M74 DS (29 in./742 mm diameter) core combines advanced dome and tube optics with a Prismatic Diffuser. It distributes light evenly throughout an area, increasing illumination on high walls and ceiling planes. The core unit is ideal for floor to diffuser heights of 18 to 26 ft (5.5 m-8 m).

## Solatube M74 DS with Amplifier

This model pairs the core unit with the SkyVault Amplifier. It delivers focused light over greater distances to the visual task plane, and reduces light high up on walls and loss at the roof/ceiling plane. The Solatube M74 DS with Amplifier is ideal for floor to diffuser heights of 26 ft (8 m) and up.

## Solatube M74 DS with Collector

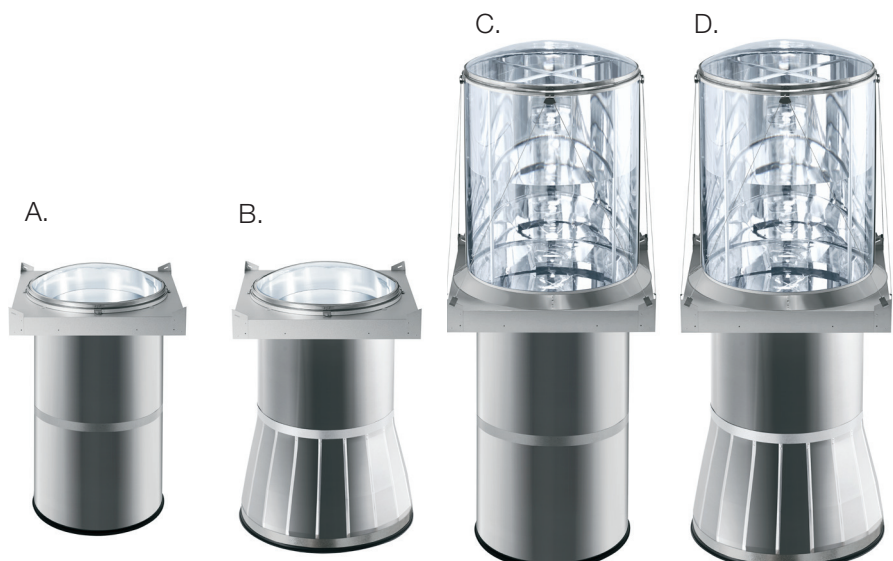
This model combines the core unit with the SkyVault Collector. It features Raybender HD and LightTracker Technologies, which increase low-angle light capture for powerful performance. This option is ideal for floor to diffuser heights of 26 ft (8 m) and up, and for spaces where maximum levels of daylight illumination are desired.

A. Solatube M74 DS Core Unit

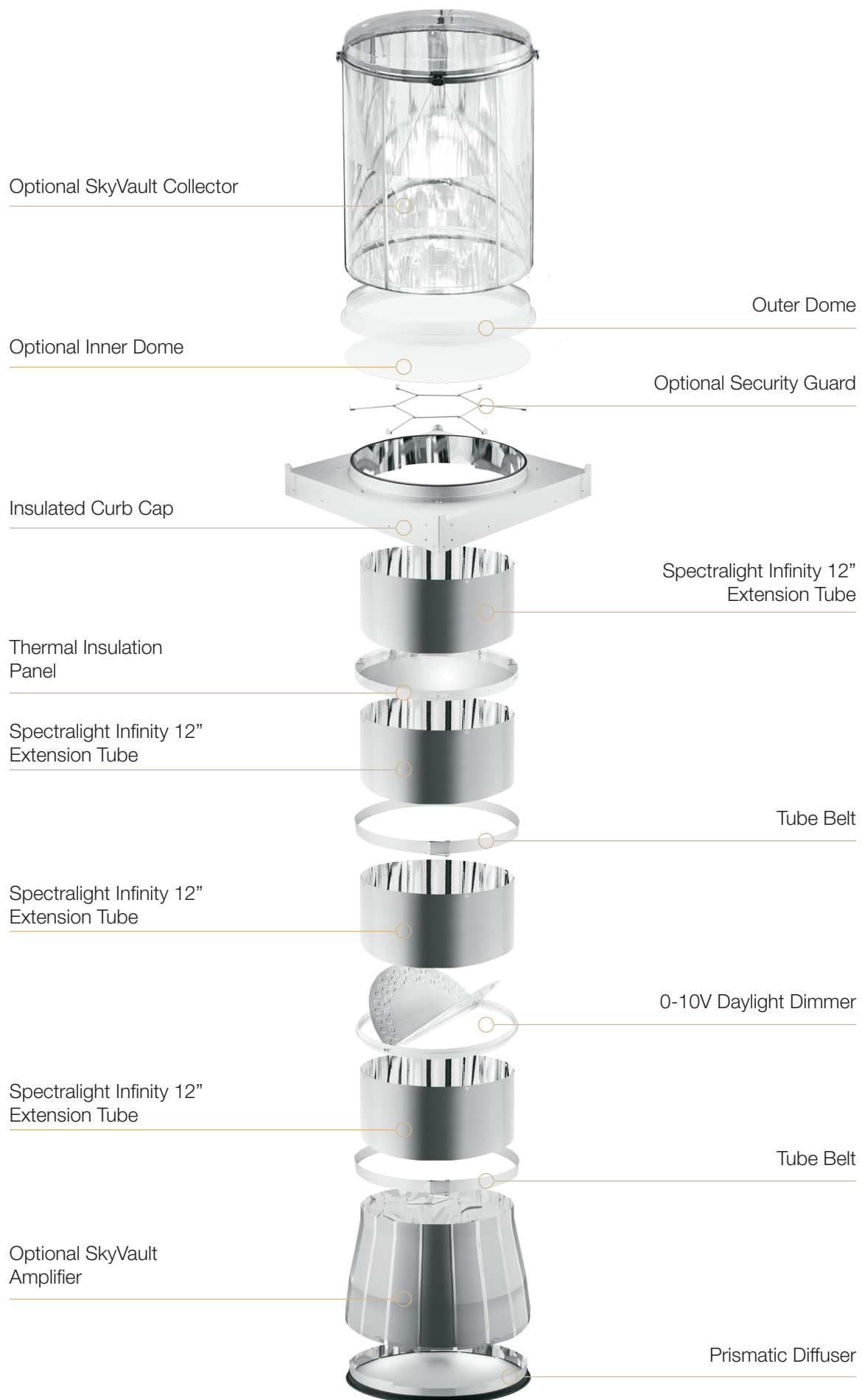
B. Solatube M74 DS with Amplifier

C. Solatube M74 DS with Collector

D. Solatube M74 DS with Collector and Amplifier







# SkyVault Series Assemblies

## Optional Add-Ons



### **SkyVault Collector**

A high-impact daylight collector features Raybender HD and LightTracker Technologies. Comes pre-assembled for attachment to the curb cap flashing. Available for any of the top assemblies.



### **SkyVault Amplifier**

Cone-shaped amplifier features 36 highly reflective facets made of proprietary Spectralight Infinity material and attaches to a circular Prismatic Diffuser.

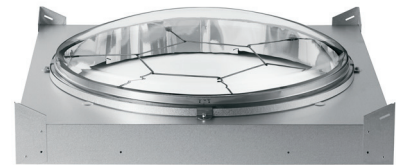
SkyVault Series top and bottom assemblies give you ultimate control over your daylighting projects. The system's modular components make it possible to enhance light capture, distribute daylight evenly, focus the light or a combination of these.

## Top Assemblies

Each top assembly features a high-impact outer dome and comes pre-assembled with a curb cap flashing, R-6 rigid insulation and Dome Edge Protection Band. Additional options include an inner dome and stainless steel wire security guard.



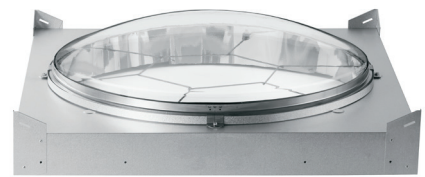
**Single-Glazed Dome Assembly**



**Single-Glazed Dome Assembly with Security Guard**



**Dual-Glazed Dome Assembly**



**Dual-Glazed Dome Assembly with Security Guard**

## Bottom Assemblies



### **SkyVault Series Diffuser Assembly**

Circular Prismatic Diffuser comes pre-assembled and easily attaches to extension tubes using patented Tab-Lock Connection System and Tube Belts.



# SkyVault Series Applications



*The installation at left clustered 4 SkyVault units with a custom diffuser.*



# Product Options & Accessories



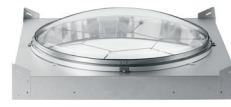
Single-Glazed Dome  
Assembly



Single-Glazed Dome  
Assembly with Security  
Guard



Dual-Glazed Dome  
Assembly



Dual-Glazed Dome  
Assembly with Security  
Guard



SkyVault Amplifier



Prismatic Diffuser



Spectralight Infinity  
Extension Tubes



SkyVault Collector



0-10V Daylight Dimmer



Thermal Insulation  
Panel

Visit [solatube.com/techresources](http://solatube.com/techresources) for specifications, CAD drawings, BIM, installation instructions, cut sheets, approvals or other related information.



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