

The Vine

Office

Case Study



CLIENT

The Irvine Company

CHALLENGE

Daylighting a large entrance lobby, upper-level offices, interior corridors

PRODUCT

Four (4) Solatube SkyVault M74 Daylighting Systems with Amplifier Units and eight (8) Solatube 290 DS Daylighting Systems

ARCHITECT

LPA, Inc.

GENERAL CONTRACTOR

Turelk, Inc.

SOLATUBE INSTALLER

SunTek Roofing

The Vine is a collaborative incubator workspace in Irvine, Calif. One goal in renovating this building was to bring in daylight, especially in the redesigned lobby, which creates the first impression for this new interpretation of creative office space. Daylighting the corridors required significantly long horizontal tube runs of up to 17 feet with multiple 90 degree angles without any substantial loss of daylight.

“This design allows daylight to flood throughout the lobby from one central point.”

~ Angela Chiang,
LPA, Inc.

ILLUMINATING THE LOBBY

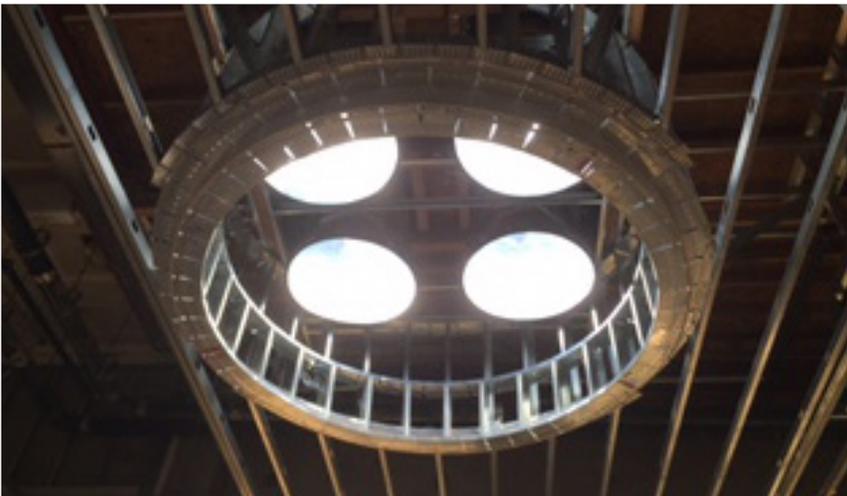
One of the biggest challenges for the renovation was bringing natural light into the vast, two-story lobby, while maintaining the design integrity.



“One of the coolest features is the lobby lightwell with the four SkyVault units,” said Terry Allen, with SunTek Roofing, installers on this project. “It’s quite a dramatic design element – it really makes a statement in the lobby and even provides daylight to the upper-level work space.”



The unique installation included four (4) SkyVault M74 with Amplifier units, bundled together with a custom diffuser to provide maximum daylight. The installation was further customized with the installation of LEDs for both daylighting and night use.



“Bringing in daylight to a two-story lobby was no small feat,” according to Angela Chiang, LEED AP, Project Designer at LPA, Inc. “We chose a unique configuration of four SkyVault units with Amplifiers installed as a group in one large nine-foot diameter lightwell.”

DAYLIGHTING THE UPPER FLOOR CORRIDOR

In keeping with the clean, creative, organic theme of the building, the team also wanted to bring daylight into the interior, upper-floor corridors. The maze of existing infrastructure, vents, and ductwork created a unique challenge. Ultimately they installed eight (8) Solatube 290DS units. Since the highly reflective and proprietary Spectralight Infinity tubing can deliver maximum daylight for extensive tube runs and with multiple 90° bends, they knew it was the right solution.



These 290 Daylighting Systems provide ample natural light to illuminate these interior corridors.



Typical commercial installations have tube runs of four to five feet. This project required horizontal tube runs of 17 feet, with minimal light loss.



Solatube Systems provided daylighting to interior spaces during construction, eliminating the need for costly temporary lighting.