

A low-angle photograph of the Tokyo Skytree tower on the left, reaching towards a blue sky with light clouds. On the right, a modern building features a long, white, cantilevered roof structure supported by white columns. The roof is composed of numerous rectangular skylights. Below the roof, a dark storefront with large glass windows is visible, with the words "TICKET COUNTER" printed in white on the upper right. Several white banners with logos hang from the roof structure.

Light diffusing skylights

SKY TOPLIGHT

sky planning

Manufacturer specialized in top lights for metal roofs

SKY PLANNING CO.,Ltd.

SKY TOPLIGHT significantly reduces daytime electricity bills by effectively utilizing daylight.

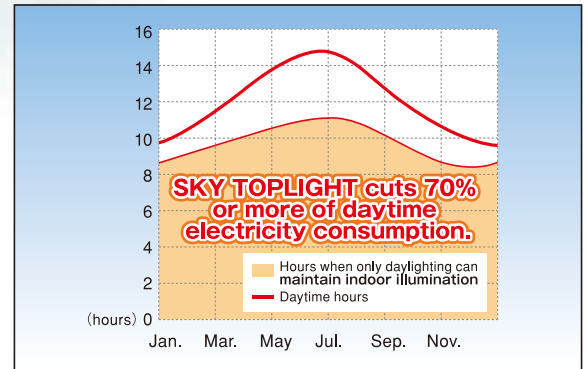
SKY TOPLIGHT maintains constant levels of illumination indoors by using natural daylight as the main source of illumination and the artificial lighting as the auxiliary source of illumination, depending on the weather and the time of day.

SKY TOPLIGHT serves as daylight illumination that exhibits a high energy-saving effect to reduce daytime electricity consumption.



Simulation of electricity consumption using SKY TOPLIGHT

When SKY TOPLIGHT is used, throughout the year, **daylighting can maintain indoor illumination for an average of at least 70% of the time** (between 8:00 and 17:00).



You can turn lights off!

Only Artificial lighting:
60 kwh/m² annually

Artificial lighting with SKY TOPLIGHT:
18 kwh/m² annually

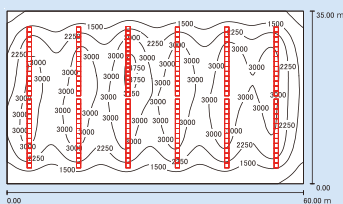
SKY TOPLIGHT L-Design

Patent Pending in the US

The world's first daylighting simulation technology achieves your desired illumination level with consideration for the sun's position, and can determine the optimum arrangement of top lights.

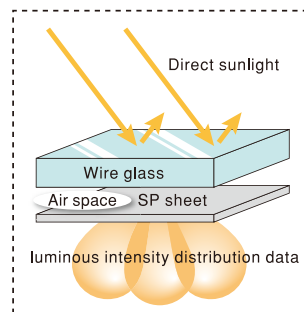
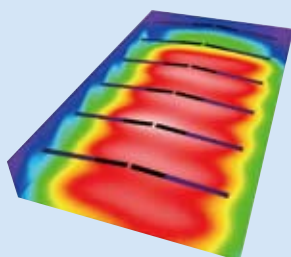
Contour Lines

The indoor illuminance distribution is calculated using simulation software based on the layout of top lights and light distribution data, and represented with contour lines.

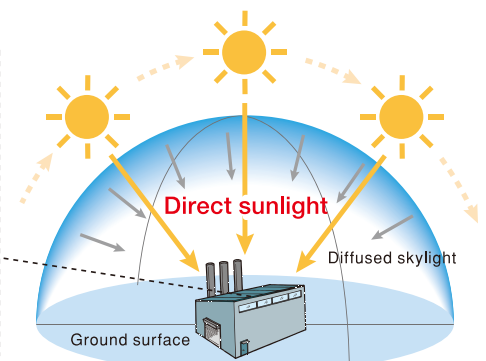


Color Contour

The calculated illuminance distribution can also be represented as color contour figure.



SKY TOPLIGHTs have luminous intensity distribution data at any locations and times.



Conventional formula, daylight factor, does not consider direct sunlight, which creates glare and heat. This has made it difficult to use top lights as lighting equipment.

SKY PLANNING has developed a total lighting simulation program that proposes easy-to-understand indoor illumination plans at early stages of construction planning.

SKY PLANNING reviews plans generated by the program with our customers to suit the indoor work to take place in the structures.

Not only does this reduce the number of steps and enable speedy and seamless construction, but it also realizes a shorter construction time and a reduced cost.



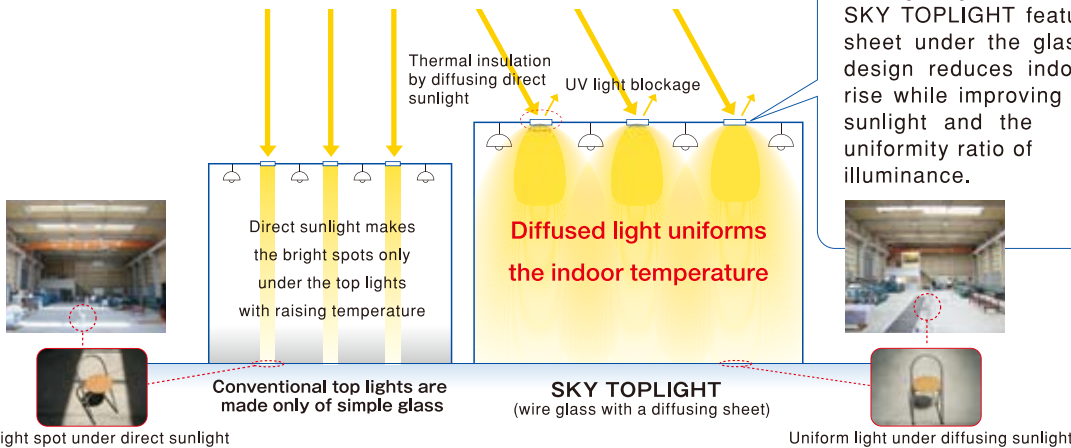
SKY TOPLIGHT diffuses direct sunlight to keep the interior cool even in summer.



In addition to diffusing sunlight and achieving uniform illuminance, SKY TOPLIGHT substantially improves the overall indoor comfortableness, including UV light blockage and thermal insulation.

SKY TOPLIGHT makes uniformly illuminance without raising temperature.

It can be hot under conventional top lights especially in summer, so there is a need for reducing heat without cutting brightness. To achieve that, SKY TOPLIGHT features a diffusing sheet under the glass. This unique design reduces indoor temperature rise while improving the diffusion of sunlight and the uniformity ratio of illuminance.



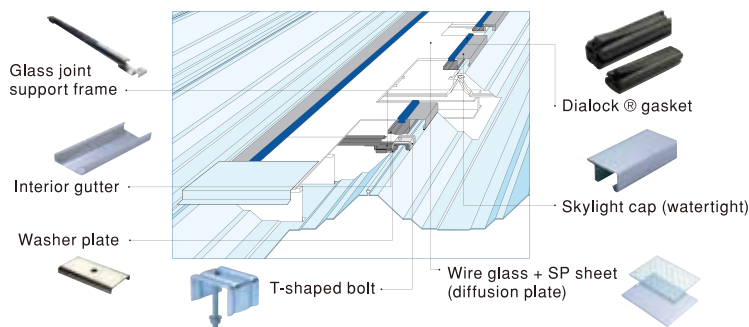
Perfect waterproofness, free of rain leaks and condensation.



Accident free for more than 10 years due to SKY PLANNING's comprehensive work execution system in which SKY PLANNING is responsible for product manufacture, construction, and maintenance.

SKY TOPLIGHT features a simple structure that can be installed simply by forming openings in folded roofing sheets and eliminates the need for steel-frame base material. It achieves a high level of safety and economy.

The unique structure of SKY TOPLIGHT incorporates waterproofness lacking in conventional top lights.



No rain leakage

Conventional top lights often leak. To address this defect, the components of SKY TOPLIGHT except for the glass are formed in endless structures to eliminate connecting surfaces.

- ☀ Nearly 100% UV light blockage.
- ☀ The natural light coming through SKY TOPLIGHT creates space with superior color rendition.
- ☀ Excellent economy and ease of construction.

SKY TOPLIGHT has been installed in many large structures and buildings for maximum energy saving.

Factory



Distribution Warehouse



Commercial establishment



Sport facility



SKY PLANNING CO.,Ltd.

Establishment	January,1991
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Capital	Capital JPY45,000,000 (as of August, 2013)
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Daylight Illumination (Top Light) Test Center

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