



Taking the work environment
closer to nature

Energy Saved is Energy Generated

Eview Global Pvt Ltd

The working SkyPipe™ Day Light harvesting system



- Poly Carbonate Dome collects and concentrates ambient day light.
- Poly Carbonate brought from a multinational company. UV stabilised.

- Highly reflective tube delivers high light levels despite long tube or overcast.
- For max illumination we use reflectance of over 95 to 98+%.
- Patent of a multinational company

- Frenzel Multi lens diffuser, diffuses light evenly in wider area.
- Patent of a Multinational company.

Commercial/Industrial/Ware House Applications

Can reduce total energy requirement appx by over 50%.

SkyPipe is tailored made for each requirement where it is to be installed.

Quality of Light



Poor quality of Natural
Lighting thru
Transparent sheets

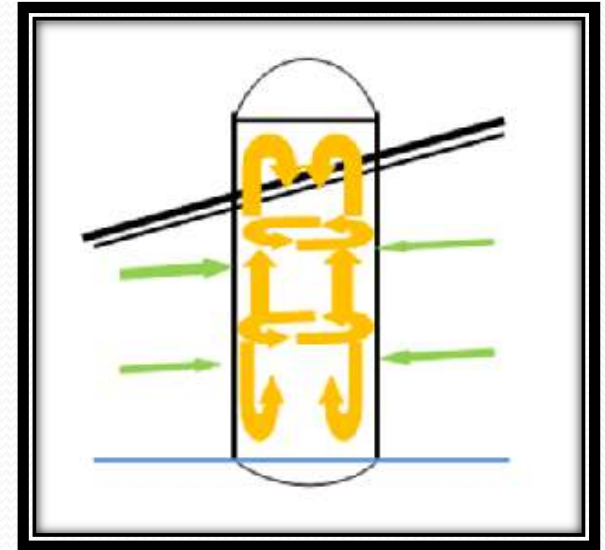
Trial of SkyPipe for Natural
Lighting along with
Transparent sheets

High quality of
Natural Lighting
thru SkyPipe™

Stages of SkyPipe™ demonstrates the effect in the area

Minimal Heat Transfer

1. SkyPipe™ has a static air column which reduces the heat transfer.
2. Longer length tube further reduces heat transfer.
3. The surface area of SkyPipe™ exposed to the Sun is very insignificant.
4. Heat Insulation can be put from the inside to the roof which other wise not possible with Transparent sheets.





- **Avoids Roof top accidents**
- SkyPipes are clearly visible from a distance.
- Transparent sheets gets camouflaged due to dust settled over it allowing roof top accidents.

- **Almost zero maintenance**

- Dust does not settle as it is hemi spherical and designed accordingly. Maybe cleaned occasionally with a dry cloth.
- Works well till the structure lasts. Very long life.

SkyPipe™ For offices. Can reach under false ceiling.



SkyBright custom made for Roof structures like Standing seam, dome shaped or any typical roof shape without cutting the seam



- No water logging due to its unique shape of light collector.
- Wide choice of Prismatic light collector material.
- Made to order to fit into any roof type PEB structure, standing seam roof etc.
- Wide choice of diffuser material to suite any requirement.
- Gives more controlled light as compared to similar product.
- Comes in a wide choice of Double and triple skin options to suite any requirement based on geographical locations.

Sky Light Ball. Chemical shops / Shops with acetic fumes



Custom made / Made to order to perfect fit into any roof type.

Made to order to suit the requirement lighting requirement of the area where it is to be installed.

Choice of different prismatic material for Light collector.

Frenzel Multi lens diffuser and other prismatic diffusers offered depending on the requirement, diffuses light evenly in wider area.

Commercial/Industrial/Ware House Applications

Can reduce total energy requirement appx by upto and even over 90% for day shift.

Replace Transparent sheets with SkyBright-RFTS



- A perfect replacement for transparent sheets.
- Custom made as per the requirement of the area where it is to be installed.
- High grade of prismatic and other material used for light collector depending on requirement.
- Gives more controlled light performance as compared to transparent sheets.
- Drastically reduces heat build up as compared to Transparent sheet.
- Sealed air column virtually eliminated heat.
- Gives cool white natural light
- Virtually maintenance free for life.
- Very long life.
- More evenly diffused light due to high grade of diffuser used.

North light sheds





For Shops without False ceiling

SkyPipe™ Turbo Combo

Natural Light and Air circulation solution combined in one unit.



- Meets the need for Natural Light and air circulation.
- Ensures Effective and uniform Light and Air circulation.
- No power cost for Light and air circulation.
- Common roof opening for SkyPipe™ and turbo thus maintaining the strength of the roof.
- Effective in releasing hot air and fumes from the inside without maintenance.
- Water seepage and dust thru turbo fins will not enter the shed during very strong wind.
- Open able duct option in case cleaning required.
- Cost effective as no additional installation cost.
- 100% customized design as per the areas requirement.

Total day Lighting and Air circulation solution with installation of SkyPipe Turbo and Louvers.

Louvers.

For air circulation and natural lighting.



A combination of SkyPipe turbo and Louvers helps in

- Total Natural / day lighting solution.
- Wind powered air circulation even during non windy days.



- **Other Customised natural air flow solution**
(Under Development)

- Air powered turbine powered in combo with solar power or grid power to give a regular air change with speed sensor and temperature sensor. Can add additional sensors on demand.
- Helps in extracting stale air, fumes and heat from the inner space.
- Improves and gives healthier inner work environment thus increasing efficiency and health.

Bee Lighting [standards](#)

[Accelerated Depreciation](#)

Before and after SkyPipe™





SkyPipe Installations





SkyPipe Installations





SkyPipe Installations



Effect of Light on our body

- **Effects of light Morning**
 - Increasing light levels signals body clock, it should begin active cycle
 - Body clock responds by producing serotonin, adrenalin and cortisol, etc.
- **Effects of light Daytime**
 - Level of these hormones rises, as well as temperature and metabolism
 - By mid afternoon, body's metabolism has reached peak
- **Effects of light Evening**
 - Daylight intensity diminishes, body clock signals pineal gland to convert serotonin into melatonin > decrease body temperature
- **Effects of light Night time and Sleep Onset**
 - Melatonin and other night time hormones > endocrine system and blood stream
 - Body temperature drops as melatonin is released
- **Effects of light Twilight and Awakening**
 - As darkness > twilight, body clock shuts down production of melatonin
 - It begins active cycle again.
- Vitamin D Deficiency.

Body is regulated thru dynamic lighting with the regulation of hormones

Human Benefits of Daylight

- Human body functions are affected by patterns of light & dark.
- Specifically by blue light waves found only in daylight.
- Studies worldwide suggest
 - natural dynamic light helps us maintain hormonal balance and provide us with likes of vitamin D etc and that productivity is enhanced in natural light,
- Daylight connects people with the natural environment outside, and people feel happier and less fatigued in natural daylight.
- Daylight is widely accepted to have a positive psychological effect on the humans.
- In recent years, work has taken place to recreate the effects of daylight artificially without much success.

Key Points

- Dust On Dome.
 - Hemispherical design does not allow dust to settle on dome
 - Dust is never too strong than the thick cloud to block the light
- Day light is free. Harvesting daylight is commercially viable if we have a mid term and long terms view.
- Energy saving is not a fashion statement. It is a tool for competitive edge. Day time artificial lighting can be eliminated totally thru SkyPipe, day light harvesting.
- Safety apprehensions of working on roof top working should be addressed. One time investment on life line and railing on all sides. Single or double harness must for working on roof top. Example of companies like HUL, Saint Gobain and many more.
- We showcase corporate office but the lighting, air and general environment in the industry shop floors are compromised. Need to follow industry standards.
- Daylight harvesting will give immediate return once installed and need no monitoring / constant vigil to ensure to get benefit.

For more details please visit
www.eviewglobal.com

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