

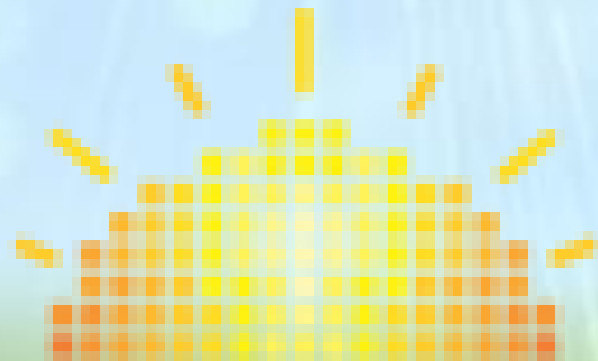
# RAYKONNECT

**Innovation in Daylighting & Shades**

**Solar High ShineADS™ Profile**

# SOLAR HIGH SHINE

**Harvesting Sunlight without heat**



RAYKONNECT

➤ *Why we are using solar high shine?*



*Raykonnnect is an Advanced Daylighting Solution for Industries & buildings.*

**Raykonnnect for first time in India Introducing this Advanced Daylighting System ,that can replace Strip/Roof lights in Industries**

- ❑ **Better Transmission & Distribution of Light**
  - ❑ **Very less Heat Transfer**
- ❑ **These Systems are Easy to Fix and Maintain**
  - ❑ **Instead of strip light we can use our light**



**Combination of high performance prismatic lens with light diffuser.**

## **TECHNICAL SPECIFICATIONS:**

<b>Lumens Output</b>	<b>55,000 lumens</b>
<b>High Daylight Capture area</b>	<b>2.2sqm</b>
<b>Light Transmission</b>	<b>72%</b>
<b>Area of Coverage</b>	<b>1200sft – 1600sft</b>
<b>Dimensions of the system</b>	<b>Aperture Clearance = 1m x 1.2m Outside Dimensions = 1.1m x 1.3m x 0.5m</b>
<b>Roof area occupancy</b>	<b>&lt;2%</b>
<b>FRP Kerb</b>	<b>As per client roof profile we will mould the FRP flashing plate to avoid 100% water leakage.</b>
<b>Height of roof</b>	<b>Where the roof height is more than 8 meters high shine is suggestible.</b>

# FEATURES:

- **Manufactured with high impact strength UV resistant Polycarbonate lens.**
- **High light transmission = 70 %.**
- **Uniform Daylighting distribution across the workspace.**
- **Double/Triple glazed system for heat control.**
- **Leak proof Installation.**
- **Long life, Free maintenance.**
- **7 Years Warranty.**

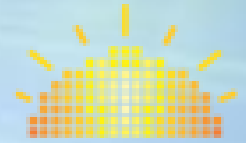
## APPLICATIONS:

- **RCC Roof Buildings.**
- **Manufacturing Units**
- **Warehouses/Godowns**
- **Commercial Buildings.**
- **Hyper Retail Stores**
- **Factories/Industries**

## **BENEFITS:**

- **Not Required to switch on your electrical light from morning 6 am to evening 6 pm in the evening.**
- **Zero Electrical Energy Consumption (For 9 to 10 hrs in a day).**
- **Less than 2 to 3% of Roof utilization for Daylighting.**
- **Green Building Credits.**

# Comparison Between Solar High Shine & Strip Lighting



RAYKONNECT

## *Solar High Shine*

## *Strip Lighting*

### 1. Performance

- ✓ High Daylight Capture area 2.2 sqm.  
Can Intercept & Collect more light.
- ✓ Long Daylighting hours.
- ✓ Uniform Spatial Lighting .
- ✓ Double/Triple glazed system for heat control.
- ✓ No Hot spots - Cool Daylighting.
- ✓ Glare free.

- ✓ Less Collection of Light.
- ✓ Lesser Lighting Hours.
- ✓ Non uniform lighting.
- ✓ Single glazed - High Heat Transfer.
- ✓ Hot spots.
- ✓ High Glare.



# Payback Calculations

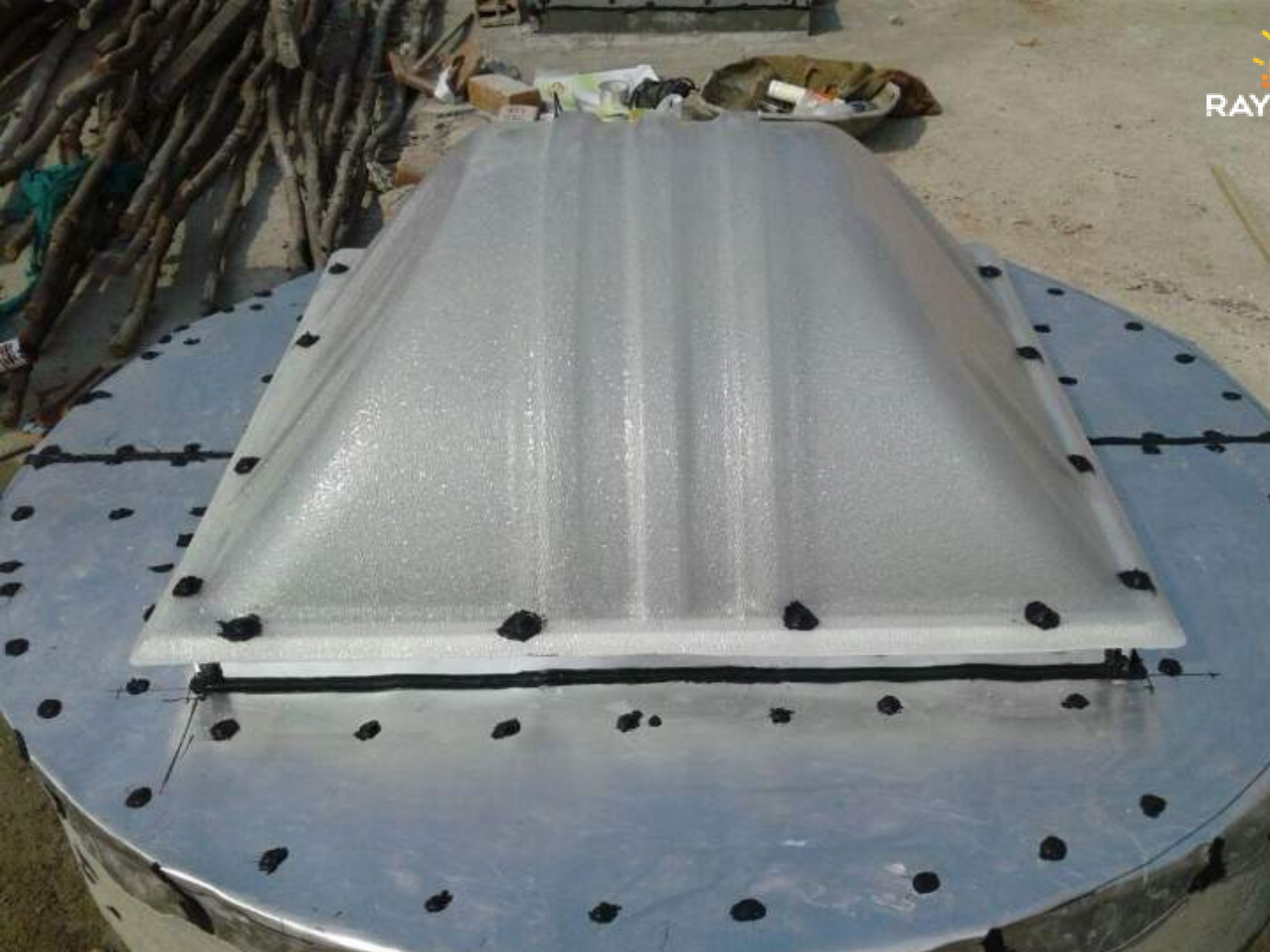


Typical 2.2 Sqm High Daylight Capture area of Solar High Shine lumen output	55,000 lumens
Equivalent Electrical lighting wattage required	800 watts

Electrical Energy Savings per year	$0.8 \text{ kw} \times 9 \text{ hrs/day} \times 360 \text{ days} \times \text{Rs. } 8.00/\text{kwh}$ $= \text{Rs. } 20,736$
1 Solar HighShine ADS Cost	Rs. 21,500

**Payback Period = < 1year 2 months**

**Payback calculation is worked out in comparison to Electrical Lighting**





RAY KONNECT





RAYCONNECT





RAYKONNECT





**Interior View of  
Solar High Shine**



**Exterior View of  
Solar High Shine**



THANK YOU