

PHOTOVOLTAIC SKYLIGHT NEW CONSTRUCTION

The **largest photovoltaic skylight in Africa** became a reality at the new I&M Bank headquarters in Nairobi, Kenya.

It is made up of 2.200 m² of amorphous silicon laminated PV glass panes with **varying degrees of transparency and various dimensions tailored** to meet the project's design requirements.

This PV skylight serves as a **natural light source that filters harmful radiation and heat** to ensure the comfort of the bank's employees and visitors.

On top of that the glass constitutes a **stable source of renewable energy** sufficient to illuminate more than **6.500 light points inside the building**.

All this contributes significantly to reducing the environmental impact associated with energy consumption.



TECHNICAL DATA

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|------------------------------------|----------------------|
| Nominal Power (Wp/m ²) | 34 Wp/m ² |
| Visible Light Transmittance (VLT) | 16% |
| Solar Factor (g-value) | 32% |
| U value (W/m ² K) | N/A |
| U value (Btu/h ft ² °F) | N/A |
| Light Reflection (external) | 8% |



TECHNICAL DATA SHEET



I&M BANK
NAIROBI, KENYA

SKYLIGHT

AMORPHOUS SILICON TECHNOLOGY

"This beautiful new building is a state of the art green design building, with integrated photovoltaic glass installation, one of a kind in East & Central Africa. The building is a Grade A office development with environmentally conscious design."

Gul Khan - CEO I&M Bank



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