

PHOTOVOLTAIC SKYLIGHT NEW CONSTRUCTION

This construction features a photovoltaic skylight made of **amorphous silicon photovoltaic glass**, uniquely shaped like a Holy Cross. It aids the church in reducing its operation and maintenance costs by generating energy and allowing **natural light to enter**. Covering an area of 617 m², the skylight is composed of amorphous silicon glass panes.

The installed PV glass enables the generation of clean energy, thereby preventing the release of nearly 21 tons of CO₂ into the atmosphere annually and also allows the entrance of natural light.

It camouflages itself perfectly, appearing as normal glass, **maintaining the aesthetic integrity of the building** while producing energy. This integration of renewable energy technology is a subtle yet powerful enhancement, aligning with environmental sustainability without compromising the building's appearance.



TECHNICAL DATA

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



BAYAGUANA BASILICA

BAYAGUANA, DOMINICAN REPUBLIC

SKYLIGHT

AMORPHOUS SILICON TECHNOLOGY



MORE INFO IN VIDEO

