

PHOTOVOLTAIC CANOPY NEW CONSTRUCTION

McDonald's unveiled its groundbreaking Global Flagship on the west side of Disney's Theme Park in Florida, marking the establishment as McDonald's **first Zero-Energy Building in the country**. Onyx Solar played an important role in achieving sustainability goals with photovoltaic glass units installed on the outdoor dining patio canopy.

The **photovoltaic glass canopy** over the dining patio is particularly important in this context; it provides **critical shade**, reducing direct solar heat gain and **creating a cooler environment** underneath.

This feature is vital in a place like Florida, where intense sunlight can significantly increase temperatures. At the same time, the photovoltaic glass generates energy, contributing to the building's zero-energy goal and creating a sustainable, comfortable space for visitors.



TECHNICAL DATA

Nominal Power (Wp/m ²)	118 Wp/m ²
Visible Light Transmittance (VLT)	39%
Solar Factor (g-value)	42%
U value (W/m ² K)	N/A
U value (Btu/h ft ² °F)	N/A
Light Reflection (external)	8%



TECHNICAL DATA SHEET



MCDONALD'S RESTAURANT

ORLANDO, UNITED STATES

CANOPY

CRYSTALLINE SILICON TECHNOLOGY



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