

PHOTOVOLTAIC SKYLIGHT

NEW CONSTRUCTION

Lucia building is an applied research center located at the University of Valladolid.

It won the distinction of being the **most sustainable building in Europe and the entire northern hemisphere in 2015** owing to its energy-efficient design and architectural ingenuity.

Two central photovoltaic atriums crafted from **see-through amorphous silicon PV laminated safety glass** allow the entrance of **natural light** into the building.

The PV glass was manufactured with a **low-e** coating and an **argon spacer**, significantly enhancing the building's thermal performance.

This building achieved **LEED Platinum** certification along with 5 leaves in Certification "Verde".



TECHNICAL DATA

Nominal Power (Wp/m ²)	40 Wp/m ²
Visible Light Transmittance (VLT)	10%
Solar Factor (g-value)	10%
U value (W/m ² K)	1.60
U value (Btu/h ft ² °F)	0,28
Light Reflection (external)	8%



TECHNICAL DATA SHEET



VALLADOLID UNIVERSITY
VALADOLID, SPAIN

SKYLIGHT

AMORPHOUS SILICON TECHNOLOGY



Universidad de Valladolid