

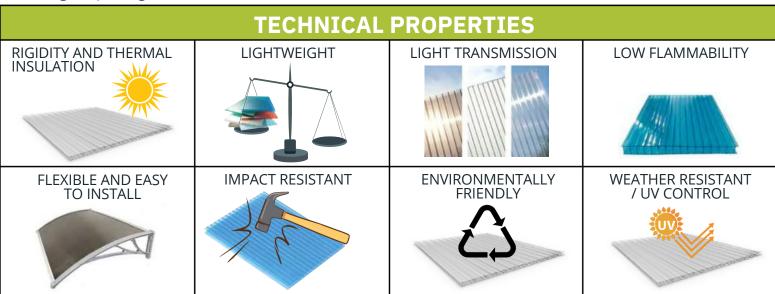


Using materials that allow the passage of light is a very popular way to create naturally lit spaces and, at the same time, protect the building and its occupants from environmental conditions.

There are many different types of materials available on the market to provide natural lighting, including tempered glass, domes and

polycarbonate panels. domes and polycarbonate panels.

The latter are the most versatile due to their technical properties, so they can be installed in a variety spaces and designs.



Polycarbonate panels offer several advantages that Technical specifications vary according to panel make them the ideal solution for lighting up and pro-thickness. tecting indoor spaces:

- Impact resistant and practically unbreakable
- Transparent: up to 90% light transmission
- Weather and UV radiation resistant
- Blocks harmful UV rays
- Lightweight less than half the weight of glass
- Good flame retardant properties
- Malleable and easy to install using common tools

Most common thicknesses are 8 mm, 10 mm and 16 mm.

POLYCARBONATE SPECIFICATIONS				
MAX. WIDTH	LENGTH	THICKNESS		
2.1 m	Up to 11.8 mm	8 mm, 10 mm, 16 mm		

Light transmission	8 mm	10 mm	16 mm
Clear	74%	74%	77%
Bronze	21%	20%	18%
Opal	39%	34%	42%
Min. bending radius	1.2 m 2.8	1.5 m 2.5	2.8 m 1.9
U-value	W/m2 °K	W/m2 °K	W/m2 °K





POLYCARBONATE SKYLIGHTS

Skylights are one of the most common roofing ele- Proper installation will ensure watertightness and ments used to ensure the passage of natural light minimize damages to the skylight itself by limiting into a building.

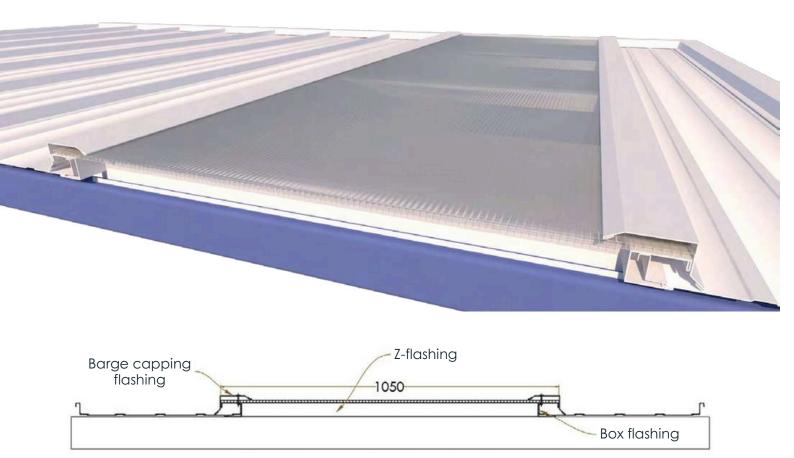
natural lighting while keeping a neat architectural indoor strips of light that brighten indoor spaces look and guaranteeing weathertightness.

Although skylights are a common solution for gene- rating bright and open spaces, they can pose challenges.

the traffic of repairpersons needed to fix any water leaks. Skylights are usually installed from the roof Cielo Vivo's skylight system is designed to provide ridge to the gutter to avoid leaks. They create and make them pleasant.

> Polycarbonate skylight installation details: At Cielo Vivo, we have developed a skylight installation technique that includes functional and aesthetic details to create watertight, leak-free roofs.

Polycarbonate skylight installation:

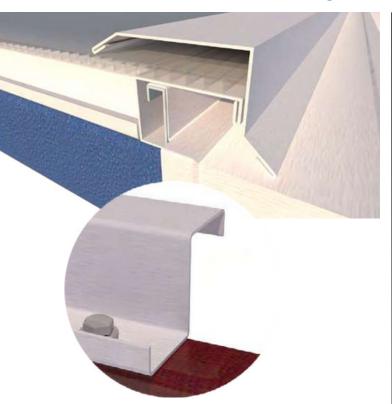


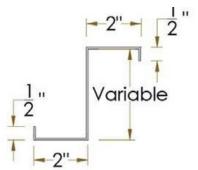
Multiwall polycarbonate skylight





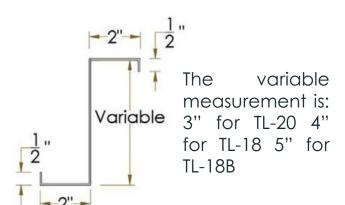
Skylight system trim and flashing:



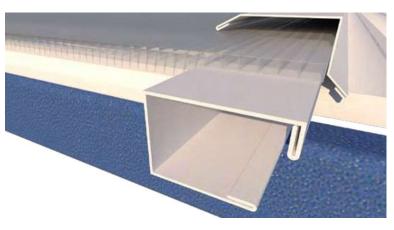


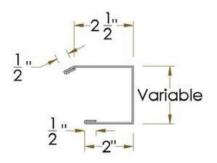
The variable measurement is: 1 ½" for TL-20 2" for TL-18 2 ½" for TL-18B

Z-flashing for skylight Total Lock Single-Layer Panel



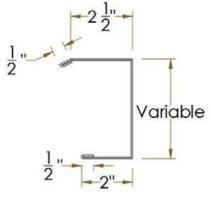
Z-flashing for skylight Total Lock Composite Panel





The variable measurement is: 1 ½" for TL-20 2" for TL-18 2 ½" for TL-18B

Box flashing for skylight
Total Lock Single-Layer Panel

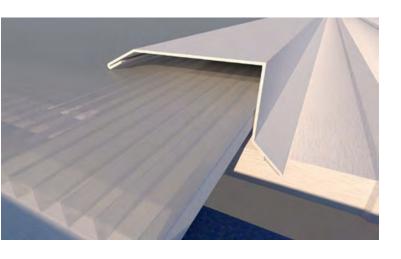


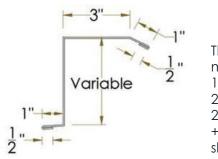
The variable measurement is: 3" for TL-20 4" for TL-18 5" for TL-18B

Box flashing for skylight Total Lock Composite Panel









The variable measurement is: 1 1/2" for TL-20 2" for TL-18 2 ½" for TL-18B + polycarbonate sheet thickness

Barge capping flashing for skylight

DOMES

Domes are acrylic, polycarbonate or solid Although they are not a frequent customer choice, molded or ther- moformed into various shapes and offer good wea- ther resistance.

polycarbo- nate flexible panels that have been at Cielo Vivo we have experience installing domes that meet your aesthetic and functional needs.

