



SUNLITE®

Multiwall Polycarbonate Panel

Versatile, lightweight yet rigid sheets for indoor or outdoor projects.

Sunlite combines a sleek design with a durable, cellular structure. It's a smart solution for homeowners and contractors tackling everything from greenhouses and patio covers to glazing, interior decor and more.

SUNLITE features the incredible strength and impact resistance of polycarbonate, and also benefits from an air layer that dramatically increases its insulation characteristics. This yields a strong, insulating, lightweight, attractive sheet that's perfect for many DIY applications.

- Glazing
- False ceilings
- Seed boxes
- Basement windows
- Room dividers and partitions
- Breezeways
- Patio covers
- Sun rooms
- Greenhouses
- Skylights
- Covered walkways
- Swimming pool enclosures

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SUNLITE is warranted for 10 years against hail damage, yellowing and loss of light transmission. The above warranty shall apply only if the panels are installed, used and maintained in accordance with Palram recommendations and specifications. *Visit palram.com/us for complete warranty details or call 800-999-9459.



Show Us Your Completed Project!
Once you're done, show it off!
We'd love to see what you've built.
Scan to upload project images.



PALRAM AMERICAS
9735 Commerce Circle, Kutztown, PA, 19530
800-999-9459 • ContactUs.USA@palram.com
palram.com/us



Form 1211 032626 PBW

SUNLITE®



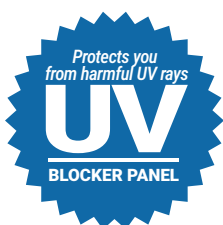
Beauty, Durability, & UV Protection

- Blocks 100% of harmful UV rays
- Good fire performance rating
- Excellent thermal insulation
 - High impact resistance
 - Virtually unbreakable
 - Rigid & lightweight
 - Easy to work with

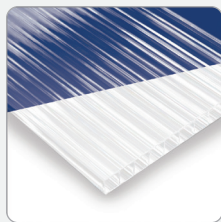
Regulatory Code Compliance Certification

Organization	Standard	Classification
ICC (International Code Council)	National Building Code (NBC) (Canopy Covering)	ESC-1631
	International Building Code (IBC) (Light Transmitting Plastics)	ESR-1893

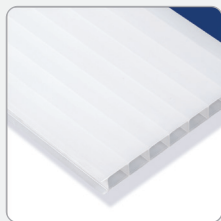
For detailed information on physical properties, please visit palram.com/us



Available in Two Colors* & Two Light Transmission Levels



Clear
84% Light Transmission



Opal White*
35% Light Transmission

*Special order color. Minimums apply.

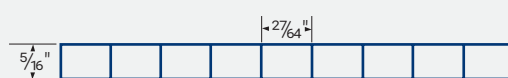
Available Sizes

48" W x 96" L 48" W x 120" L* 48" W x 144" L

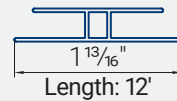
Note: Fluting runs top to bottom in the "length" dimension.

*Available by special order.

8 MM Profile Dimensions

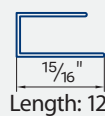


Accessories to Complete Your Project



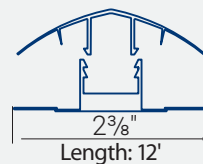
"H" Channel

A clear connector used to join two panels in vertical glazing applications.



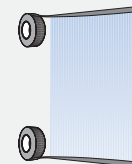
"U" Channel

A clear connector used to cap either a "fluted" or "non-fluted" edge for a clean, finished look.



2 Piece Base and Cap Connector

Clear base attaches to continuous wood or steel in sloped or vertical applications and then the cap is snapped in place.



Edge Seal Tape AntiDUSTape®

Non-vented tape seals "fluted" edge of panels, is easy to apply, ensures condensation drainage, and blocks out dust and insects



2" Fasteners

Protite 2" fastener with 3/4" washer.

AntiDUSTape® is available as single rolls; the non-vented top of panel roll in 160' or the vented bottom of panel roll, which is available in 110' rolls. Additionally, a combo pack is available with 32' rolls of both vented and non-vented.



Before You Begin

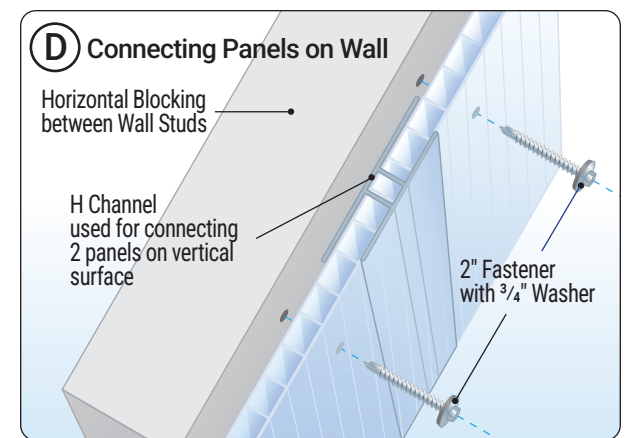
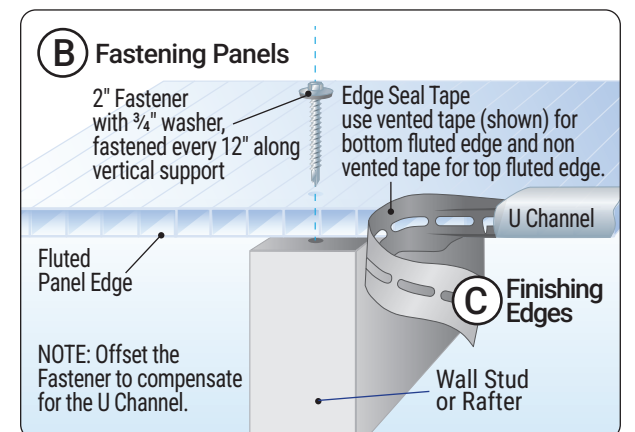
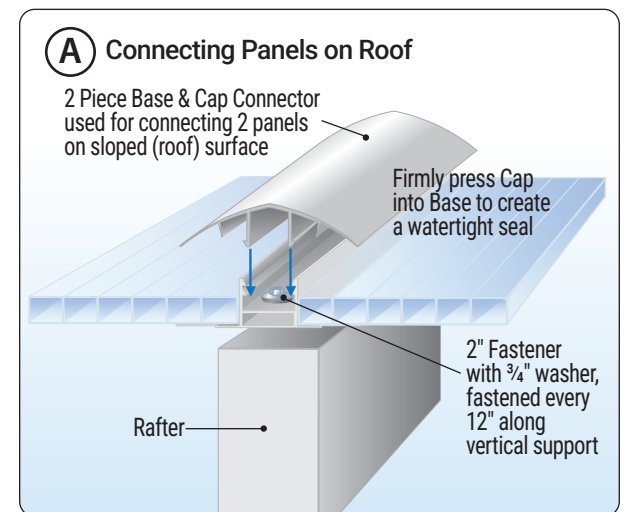
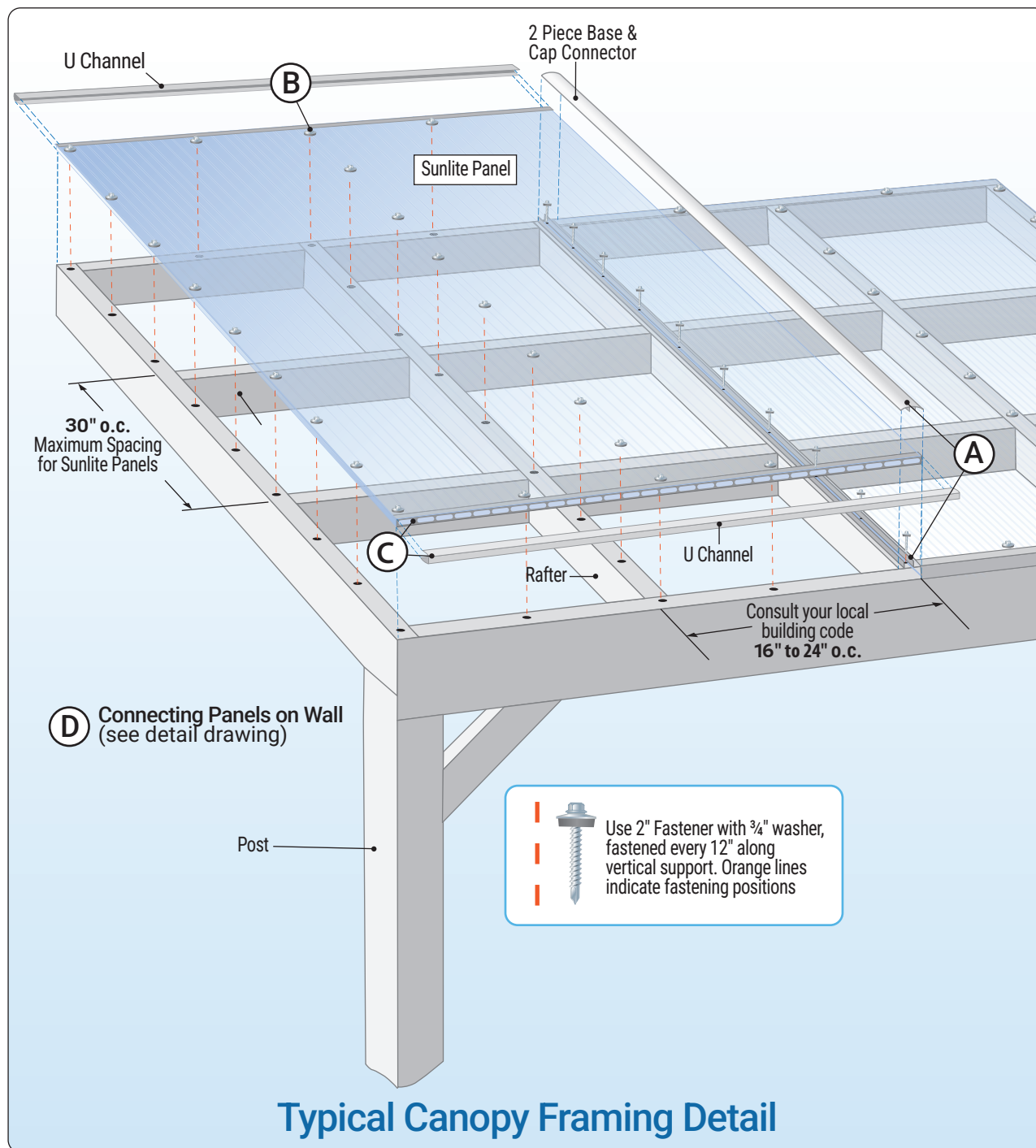
Snow, wind and weather loads should be considered when determining the slope degree of your structure (Min. 2" in 12"). Before installation, check local building codes for relevant specifications and recommendations. Follow local codes at all times.

TRANSPORTATION, HANDLING AND STORAGE: Do Not transport, leave or store panels in direct sun before or during installation. For outdoor storage, cover securely with a white opaque polyethylene sheet to avoid solar heat gain between the panels. The sun's light is magnified when

passing through uncovered sheets increasing the temperature of the sheets which leads to degradation and distortion. Penetration of water between the sheets in storage will intensify this heat gain. Therefore, it is recommended to store the panels indoors. Panels will withstand heat when properly installed and ventilated. Store the panels against a wall so that the flutes run vertically, or stacked evenly on a horizontal flat surface with longer lengths on the bottom. Do not stack other items on top of panels. If panels are not stacked directly on floor, be sure to support evenly.

FLEXIBLE ENOUGH FOR CURVED STRUCTURES: SUNLITE panels may be used in curved applications, as long as the radius of the curve is not less than 20 feet.
BE SURE TO CAREFULLY READ ALL INSTRUCTIONS

Installation details for proper construction



SAFETY:

Never walk on sheets.
 Use a board placed across at least three rafters to spread the load

INSTALLATION NOTES

Install panels with the label side facing toward the sky.

To Cut Panels: For cuts perpendicular to the flutes, use a circular saw with a minimum of 10 teeth per inch. Support the sheet to avoid vibration and cut at a slow speed. Remove saw dust from within the flutes by blowing compressed air into the flutes. For cuts parallel to the flutes, use a utility knife and straight edge.

Pitch: This is the amount of height in inches the rafter rises over a 12" run. Minimum slope is 2" in 12". Never install panels on flat roofs.

Purlins/Cross Supports: Cross supports (purlins) must be no more than 30" apart for SUNLITE.

EdgeSeal Tape: Use to cover the fluted edges of SUNLITE panels to seal out debris. NOTE: AntiDUSTape® comes in both non-vented (for top edge of panels) and vented (for bottom edge of panels) to allow drainage.

2 Piece Base and Cap Connector: Used to connect 2 panels installed as roof surfaces (see detail A).

"U" Channel: Covers the AntiDUSTape® on the fluted edges of the panel. Can be used on the non-fluted edges for a clean appearance (see detail C).

"H" Channel: Used to connect 2 panels mounted vertically for walls, fences, partitions, etc. (see detail D).

Sealants: For SUNLITE sheets, it is recommended you use a 100% silicone sealant, or any silicone sealant/adhesive that is recommended for polycarbonate material.

Ventilation: Ventilation is recommended to avoid condensation and heat build up in an enclosed structure.

Fasteners: Use Palram fasteners with special EPDM washers only. Pre-drill all fastener holes with a 3/16" drill bit to accommodate for the thermal movement of the panel. Longer length sheets should have holes overdrilled. Failure to accommodate thermal movement will cause buckling of the sheet. Attach fasteners every 12" in the vertical direction. In high wind areas, fasten **every 8"**. Use 2" fasteners for all roof applications. **DO NOT** overtighten fasteners causing the rubber washer to compress.

TIP: Tighten all fasteners until they are "snug". If the gray EPDM washer becomes deformed, the fastener is too tight!

Care And Maintenance: Avoid contact with chemicals, paints, adhesives or other synthetic materials that are incompatible with polycarbonate. Never use glass cleaners with ammonia, or ammonia based products. Clean with lukewarm soapy solution using a soft cloth or sponge. Do not use abrasive brushes as these will mark the surface.



Inasmuch as Palram Americas has no control over the use (and/or installation method) to which others may put this material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make their own test to determine the suitability of the material for their own particular use. In the event of a warranty claim for product failure, Palram Americas reserves the right to inspect any or all of the sheets involved and the installation site itself while the sheets are still in their original position and have not been removed or moved or altered in any way.