

# SoftLite

## CoverLite® Corrugated Polycarbonate Sheet

AmeriLux International is excited to offer a 100% diffused MR9" and MR12" corrugated sheet utilizing advanced polymer technology to scatter light while maintaining 85% level of light transmission. SoftLite is also available in a 50" wide Greca Square Wave profile sheet.

## Benefits of Corrugated SoftLite

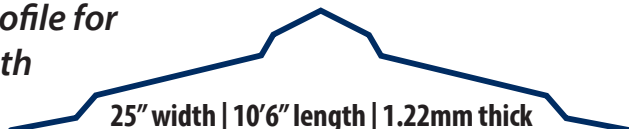
- Light Diffusion Provides a Comfortable Environment
- Light Scattering Helps to Eliminate Glare/Shadows
- High Degree of Light Transmittance
- Virtually Unbreakable and Light in Weight
- Economical and Easily Fabricated on Site
- Highly Flexible, Easily Cold Formed
- Design Matches Standard Metal Roofing Profiles

### Excellent Uses Include:

- Agricultural Buildings
- Industrial Roofing
- Skylights / Sidelites
- Vertical Glazing
- Carport and Patio Coverings

### Also Available: SoftLite Ridge Cap

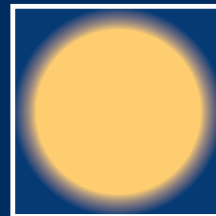
- New High Profile for Extra Strength



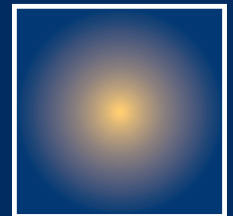
Making a simple Skylight or Sidelite is a snap with CoverLite® Corrugated designed for the Metal Building Industry!

**Call TODAY for more product information & pricing!**

## The Science of Light



Direct Light  
1% Diffusion



SoftLite  
100% Diffused Light

**100%**  
Light Diffusion

**85%**  
PAR  
Light Transmission

"Soft diffused light without glare creates a high comfort level."



# COVERLITE® CORRUGATED POLYCARBONATE SHEET

## SoftLite



CoverLite® Corrugated SoftLite is a 100% light diffusing polycarbonate corrugated sheet. This sheet uses advanced polymer technology to diffuse light while maintaining high levels of light transmission. Natural daylight is scattered in many different directions. The result is a softer light that helps to eliminate hot spots, glare and shadows.

Natural diffused light creates a more comfortable and safe environment for both people and animals. According to several studies on the benefits of natural light, productivity increases, absenteeism is reduced, and employee retention is enhanced. Numerous reports also show an animal's stress level can be reduced when moving through an alley or chute by illuminating the interior of the building with diffused natural light.

### Technical and Loading Guidelines

Product	Panel Width	Standard Length	Net Coverage	Rib Spacing	Depth	Available Colors
MR9"	38"	Up to 36'	36"	9"	.75"	Clear, Opal, Bronze & SoftLite
MR9" FLAT	38"	Up to 36'	36"	9"	.625"	Clear & Opal
MR12"	38"	Up to 36'	36"	12"	1.25"	Clear, Opal, Bronze & SoftLite
RIDGE CAP	25"	10' 6"	—	—	—	Clear, Opal & SoftLite

**Light Transmission:** Clear 90%, Opal 55%, Bronze 35%, SoftLite 85%

**Loading Guide:** Maximum 25 psf. wind load with 3' on center vertical supports

**Purlin Spacing:** Maximum horizontal spacing 36" at ridge and gutter and 48" maximum purlin spacing in the mid-span

**Pre-Drill Screw Holes:** 5/64" larger than screw size to allow for expansion and contraction of panel

**Screws & Washers:** Use 1" or 2" #10 Woodmate w/wing or 1" or 2" #12 Self-Drilling/Self Tapping screw with a minimum 1/2" neoprene bonded washer

**Material Weight:** .24 lbs/sq.ft.

### Basic Installation Instructions:

**Cutting:** Use a standard shears, fine-toothed band saw or circular saw (10 teeth per inch). Clamp sheets to avoid vibration. Clean sheets of debris before installing.

**Drilling & Screwing:** Pre-drill holes 5/64" larger than screw to allow for expansion and contraction. Drill using any kind of metal drill at a low speed. Support sheet underneath to avoid vibration. Fix with at least a 1/2" neoprene bonded washers. Do not over tighten screws.

**Sheet Orientation:** Install with edges pointing down not up to ensure UV protected side is exposed to the sunlight.

**Pitch:** Minimum recommended roof pitch is 2/12.

**Positioning:** Install exterior lap edges facing away from prevailing winds and ribs running vertically. Overlap sheet width at least one corrugation and sheet length at least 6".

**Bending:** Bend sheets longitudinally, never across the width of sheet. Don't flex sheet past max bending radius.

**Weather-Seal:** If needed, only use a 100% silicone that is compatible with polycarbonate.

**Cleaning:** Mild detergent may be used with a soft rag.

**Handling:** Store horizontally on a flat surface in a cool, dry place out of direct sunlight.

### Benefits of SoftLite Corrugated:

#### High Light Diffusion

SoftLite is a 100% light diffusing corrugated polycarbonate panel. The "soft" diffused light creates a comfortable environment for people and animals.

#### Virtually Unbreakable

SoftLite corrugated sheets are economical and light in weight, yet 10 times stronger than acrylic and 200 times stronger than glass!

#### Easily Fabricated on Site

Highly flexible, corrugated sheets can be easily cold formed and will not crack or splinter when fabricated.

#### Warranty

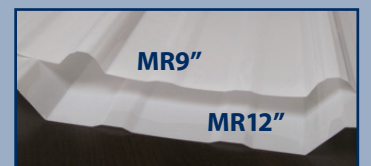
CoverLite® SoftLite corrugated polycarbonate sheets come with a 10 year warranty against yellowing.

## Science of Light



SoftLite is a 100% light diffusing corrugated polycarbonate panel.

The "soft" diffused light and UV protection creates a comfortable and safe environment for people and animals.



### Distributed By:

AmeriLux International is a leading distributor & fabricator of a broad range of multiwall polycarbonate, corrugated polycarbonate, PVC sheet and liner panels.

Call today for complete product and warranty information:

P: 888-602-4441

F: 920-336-9301

Or visit our website:

[www.ameriluxinternational.com](http://www.ameriluxinternational.com)

