

 **Macrolux**<sup>®</sup>

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**MACROLUX 16mm 3W**

POLYCARBONATE SHEETS

Macrolux® 16mm 3W products are designed to offer improved insulation qualities for a variety of environments which require added temperature control while maintaining light transmission values suitable for a variety of objectives. Available with all Macrolux features, this products are ideal for many different industries and applications.

Produced with 100% virgin resin and manufactured using the highest standards of quality, Macrolux 16mm 3W products guaranteed excellent performance on your project.

## Applications

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- Greenhouses
- Garage Doors
- Car washes
- Sunrooms
- Commercial Canopies
- Pool enclosures

## Special Features available

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- No Drip
- IQ Relax
- IQ Selective
- Light Deprivation
- 2 UV

## Advantages

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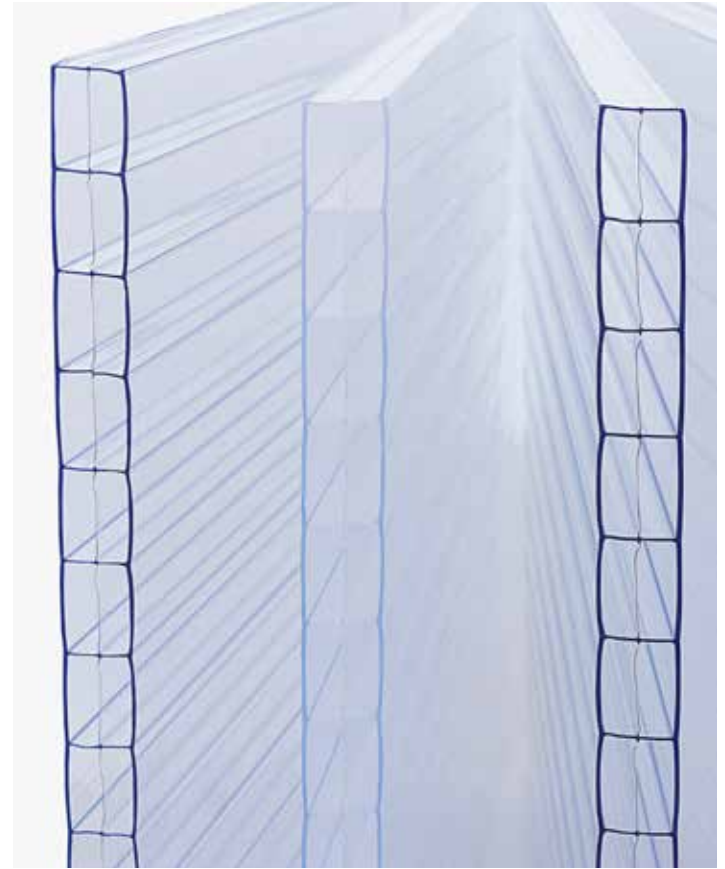
- Damage and impact resistance
- Excellent light transmission
- Thermal insulation
- 15 year limited warranty
- Self – extinguishing

**Macrolux 16mm 3W features an excellent combination of Light Transmission, Insulation and Strength.**



## Physical and technical data

MACROLUX 16 MM 3W	
Sheet Thickness	16mm (5/8")
Structure	Triple Wall
Weight (lb/ft <sup>2</sup> )	0.55
Weight (g/m <sup>2</sup> )	2700
Light Transmission (%) Clear	73
Light Transmission (%) Soft White	66
Std. Widths (in)	47.25", 48", 71.25", 72" and 82.67"
Lengths (ft)	4' up to 48'
Sound Reduction Index	21 dB
Thermal Insulation BTU/hr - ft <sup>2</sup> °F (ASTM C976/90)	U-Value 0.41 R-Value 2.44
Cold Forming Radius (Minimum permissible)	113.4 inch
Heat Expansion Coefficient	$3.6 \times 10^{-5}$ Inch / ft °F
Max. permanent service temperature w/o load	248 °F
Possible expansion due to heat and moisture	0.036 in/ft
Solar Heat Gain Coefficient (Clear)	0.72
Colors available	Clear, HD Soft White, Bronze, Opal, Smoke Gray, Silver Gray. *Others upon request.



## 15 Year Limited Warranty

Macrolux® Multi Wall sheets are available in 15 Year Limited Warranty against loss of light transmission caused by yellowing and breakage caused by hail.

The polycarbonate panels come with UV coextruded protection on the exterior surface. This protection will prevent the sheets from discoloration and degradation causing the sheet to become brittle and lose light transmission. Two sided co-extruded UV protection is available as well as the "No Drip" anti condensate feature.

Virtually unbreakable, the Macrolux® Multi Wall sheets will withstand breakage caused by hail stones of up to 23 mm in diameter for the life of the warranty.

Macrolux® PC greenhouse covering prevents the transmission of over 99.9% of harmful radiation resulting from UV rays. It maintains its mechanical and structural integrity under extreme weather conditions (up to 248 °F).

### Special Notes:

1. The installation must comply with the IMSA Plastics guidelines for warranty to be valid. Local authorization may be required.
2. Installation guidelines available on request.

For additional information or questions contact Macrolux USA at 800.888.5364.



This information and our product application recommendations are illustrative and must be verified for each project. The pictures presented are merely illustrative.

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