



LOUVERS



SUN CONTROLS



GRILLES

Supporting
Green Buildings

 **AIROLITE**[®]
The look that works.™



Sustainability takes many forms at AiroLite. AiroLite, the leading manufacturer of American-made architectural louvers, sun controls and grilles, prides itself on delivering “The Look that Works” to architects. Our products will not only enhance or complement the aesthetic qualities you envision for your building, but will also perform exceptionally well.

We are equally proud of our commitment to sustainability and Green Building initiatives. As an early supporter of the United States Green Building Council (USGBC) through Greenheck, our parent company’s membership, we are very skilled and experienced at assisting our customers with sustainable-design projects and LEED certification guidelines. The chart on this page and the information below it demonstrate how AiroLite products — and our commitment to sustainable design and manufacturing practices — may help you earn LEED credits for your next building project.

AiroLite Product Description	Sustainable Site (SS)		Energy & Atmosphere (EA)	
	Credit 7.1 Heat Island Effect - Nonroof	Credit 8 Light Pollution Reduction, Interior Lighting	Prerequisite 2 Minimum Energy Performance	Credit 1 Optimize Energy Performance
Relevant Codes and Standards	ASTM C 1549	ANSI/ASHRAE/IESA Standard 90.1-2007	ANSI/ASHRAE/IESA Standard 90.1-2007	ANSI/ASHRAE/IESA Standard 90.1-2007
ARCHITECTURAL LOUVERS				
Acoustic Louvers			●	●
Wall Louvers			●	●
Louver Screen Walls				
ARCHITECTURAL GRILLES & SCREENS				
Bar Grilles	●	●		
Geometric Grilles	●	●		
Architectural Screens	●			
SHADING & DAY LIGHTING ELEMENTS				
Interior Light Shelves		●	●	●
Horizontal Sun Controls		●	●	●
Vertical Sun Controls		●	●	●
Shutters & Trellises	●	●	●	●

AiroLite products may help you earn these LEED credits...

- ▶ **SUSTAINABLE SITES**
Sustainable Site Credit 7.1, Heat Island Effect, Nonroof
 AiroLite architectural louver, grille, and sun control elements incorporated in arbors or trellises may contribute shading to exterior areas and courtyards. These products can be finished with fluoropolymer coatings that facilitate reflectance as represented by solar reflectance index values determined in accordance with ASTM C 1549, Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer.
Sustainable Site Credit 8, Light Pollution Reduction, Interior Lighting
 Architectural louvers, grilles or exterior sun controls may reduce direct beam-illumination from interior building spaces as determined in compliance with ANSI/ASHRAE/IESA Standard 90.1-2007 using a computer simulation model.

Exterior sun control or shading devices may reduce energy use for cooling by reducing thermal transfer through glazing; and, interior light shelves may reduce energy use for interior lighting by introducing natural light into interior spaces if interior lighting is dimmed or extinguished.

Energy & Atmosphere Credit 1, Optimize Energy Performance
 Architectural louvers incorporated in high performance ventilation systems, fan-assisted stack ventilation or natural ventilation systems may reduce energy use and initial investment in mechanical systems. Exterior sun control or shading devices may reduce energy use for cooling by reducing thermal transfer through glazing; and, interior light shelves may reduce energy use for interior lighting by introducing natural light into interior spaces if interior lighting is dimmed or extinguished.

- ▶ **ENERGY & ATMOSPHERE**
Energy & Atmosphere Prerequisite 2, Minimum Energy Performance
 Architectural louvers incorporated in high performance ventilation systems, fan-assisted stack ventilation or natural ventilation systems may contribute to reduced energy use.

- ▶ **MATERIALS & RESOURCES**
Material & Resources Credit 4, Recycled Content
 AiroLite products produced from extruded aluminum are comprised of pre- and post-consumer recycled content. These products are manufactured in Schofield, WI (zip code 54476), Frankfurt, KY (zip code 40601) and Rocklin, CA (zip code 95765). Project sites within 500 miles of these locations may qualify for LEED credits.



To find out more about successful Airolite projects, visit airolite.com

Materials & Resources (MR)	Indoor Environmental Quality (IEQ)				Innovation in Design
Credit 4 Recycled Content	Credit 2 Increased Ventilation	Credit 7.1 Thermal Comfort, Design	Credits 8.1 & 8.2 Daylight & Views	Credit 9 Enhanced Acoustic Performance	Credit 1 Innovation in Design
	ASHRAE Standard 62.1-2007	ASHRAE Standard 55-2004	ASTMD 1003-07E1	ANSI Standard S12.60-2002	
●	●	●		●	●
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► **INDOOR ENVIRONMENTAL QUALITY**

Indoor Environmental Quality Credit 2, Increased Ventilation

Airolite architectural louvers or grilles utilized in high performance powered ventilation systems or that support naturally ventilated spaces, including stack effect ventilation, may contribute to indoor environmental quality points.

Indoor Environmental Quality Credit 7.1, Thermal Comfort, Design

Airolite architectural louvers or grilles utilized in high performance powered ventilation systems, fan-assisted stack ventilation, or naturally ventilated spaces can contribute to comfort for all occupants. Exterior sun control or shading devices may be utilized to reduce thermal energy transfer through glazing and may contribute to comfort for all occupants.

Indoor Environmental Quality Credit 8.1, 8.2, Daylight and Views - Daylight

Airolite exterior sun control devices or sun controls and light shelves may be used to optimize views, manage interior light and glare, and support expanded use of glazing.

Indoor Environmental Quality Credit 9, Enhanced Acoustic Performance (Schools Only)

Airolite acoustic louvers may be employed in the building shell or interior partitions to mitigate the transmission of sound and reverberant noise produced by the operation of high or low frequency sound sources.

► **INNOVATION IN DESIGN**

Innovation in Design Credit 1

Airolite has several sun control devices that can be used to reduce heat gains in buildings while creating a very eye-pleasing, attractive accessory to the building. These can be used to substantially enhance the building environment (inside and outside) for the well-being of the tenants. Acoustical louver and/or louver screen walls and equipment enclosures can also contribute to noise reduction which can be used to substantiate Innovations in Design.

Sustainability is a daily practice at Airolite.

As a manufacturer committed to ongoing sustainable business practices, Airolite's production team continuously looks for new ways to conserve energy at our plants and to minimize material waste in our daily operations. Because our manufacturing primarily involves designing, shaping and assembling metal to meet your building needs, we have always been a clean and environmentally friendly manufacturer. Our finishing facilities adhere to a strict policy of zero contaminants. And, we work with vendors who share that commitment.

Sustainability reaches far beyond protecting our environment at Airolite. We have always placed the health and safety of our talented and valuable workers — and the quality of life in the communities where we work — as top priorities in our organization. And most importantly, we work very hard to develop long lasting, sustainable relationships with you, our customers. By efficiently using our skills and resources to design, engineer and manufacture louvers, sun controls and grilles that look and work the way you want them to, we believe we can help you sustain innovation and functionality in architectural design.



Architectural and High-Performance Louvers, Grilles, Sun Controls



Workmanship. Partnership. Leadership.

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