

T5832/CB5832 - RECOMMENDED SPECIFICATION

GENERAL

Furnish and install where indicated on plans or described in schedules Aiolite Louver Type T5832 (or CB5832) as designed and manufactured by The Aiolite Company LLC, Marietta, Ohio. Louvers shall be furnished with bird screen, insect screen, supports, installation hardware and finishes as specified and as required for a complete installation.

SUBMITTALS

Manufacturer shall submit shop drawings incorporating key plans, elevations, sections and details showing profiles, angles and spacing of louver blades and frames; unit dimensions related to wall openings and construction; and, anchorage details and locations. Provide samples of manufacturer's finish and color charts showing the full range of colors available. For each type of product specified, submit free area, air performance and water penetration ratings determined in accordance with AMCA Standard 500-L.

PRODUCTS

Louvers shall be sightproof Louver Type T5832 with visible vertical mullions (or Louver Type CB5832 with concealed vertical mullions). Louvers shall be 2-inches (50.8 mm) deep and assembled entirely from extruded aluminum components. Blades and frames shall be 0.063-inch (1.6 mm) thick aluminum, alloy 6063-T5. Blades shall be horizontal, inverted-V type and spaced 2.75-inches (69.9 mm) on center.

STRUCTURAL DESIGN CRITERIA

Manufacturer shall design and furnish all supports required to withstand a wind force of not less than 25 pounds per square foot (100 mph). Louvers larger than 84-inches wide x 120-inches high or 120-inches wide x 84-inches high will be fabricated and installed in multiple sections. Louver blades, frames, mullions and anchorages shall be demonstrated to withstand the specified wind design load.

PERFORMANCE RATINGS

FREE AREA:	3.75 Square Feet (0.35 m ²)
MINIMUM FREE AREA VELOCITY	
at Beginning Point of Water Penetration:	516 fpm (2.62 m/s)
MINIMUM AIR VOLUME FLOW RATE	
at Beginning Point of Water Penetration:	1,935 cfm (0.91 m ³ /s)
MAXIMUM STATIC PRESSURE	
at Beginning Point of Water Penetration:	0.10 in. H ₂ O (0.025 kPa)