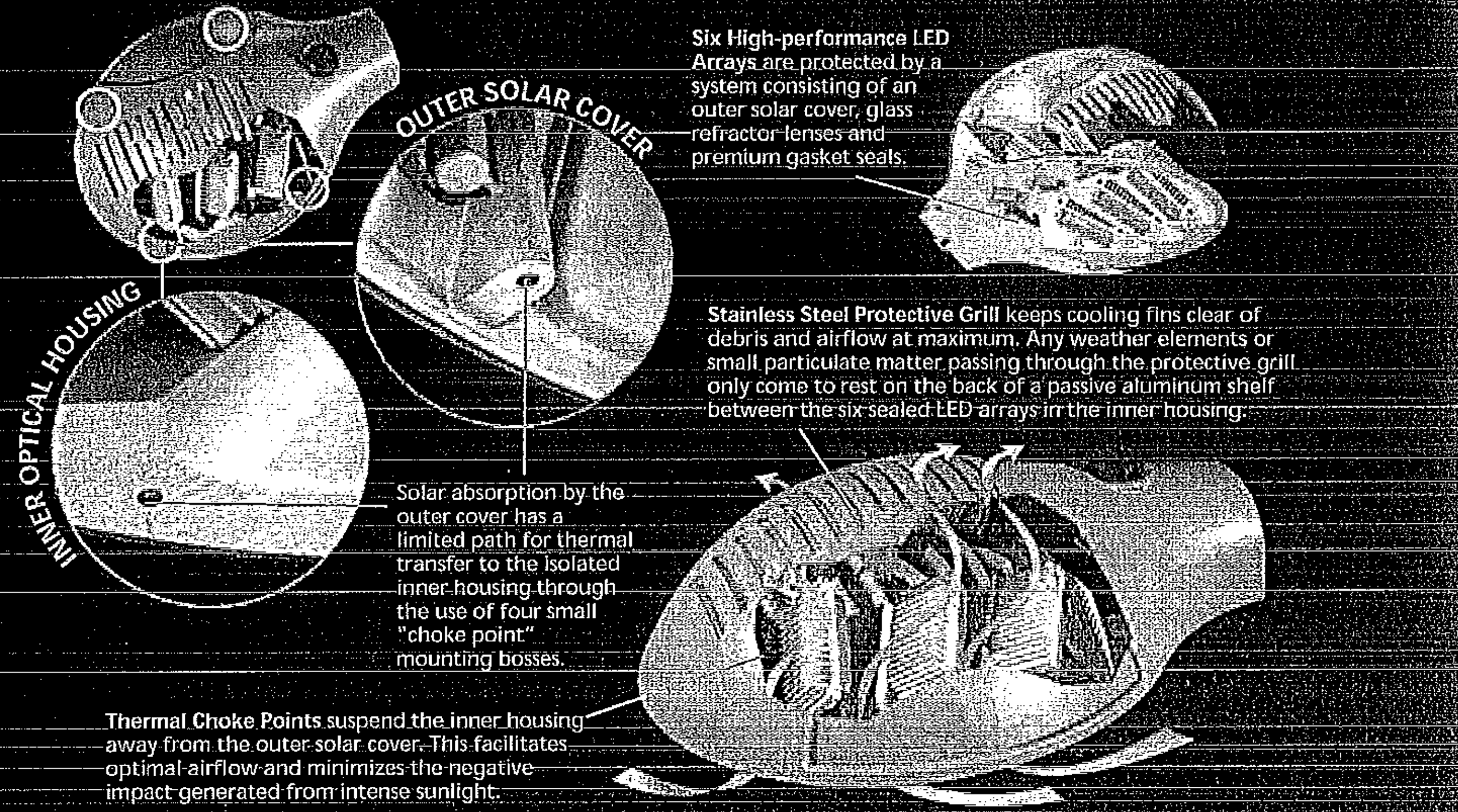


THERMAL MANAGEMENT

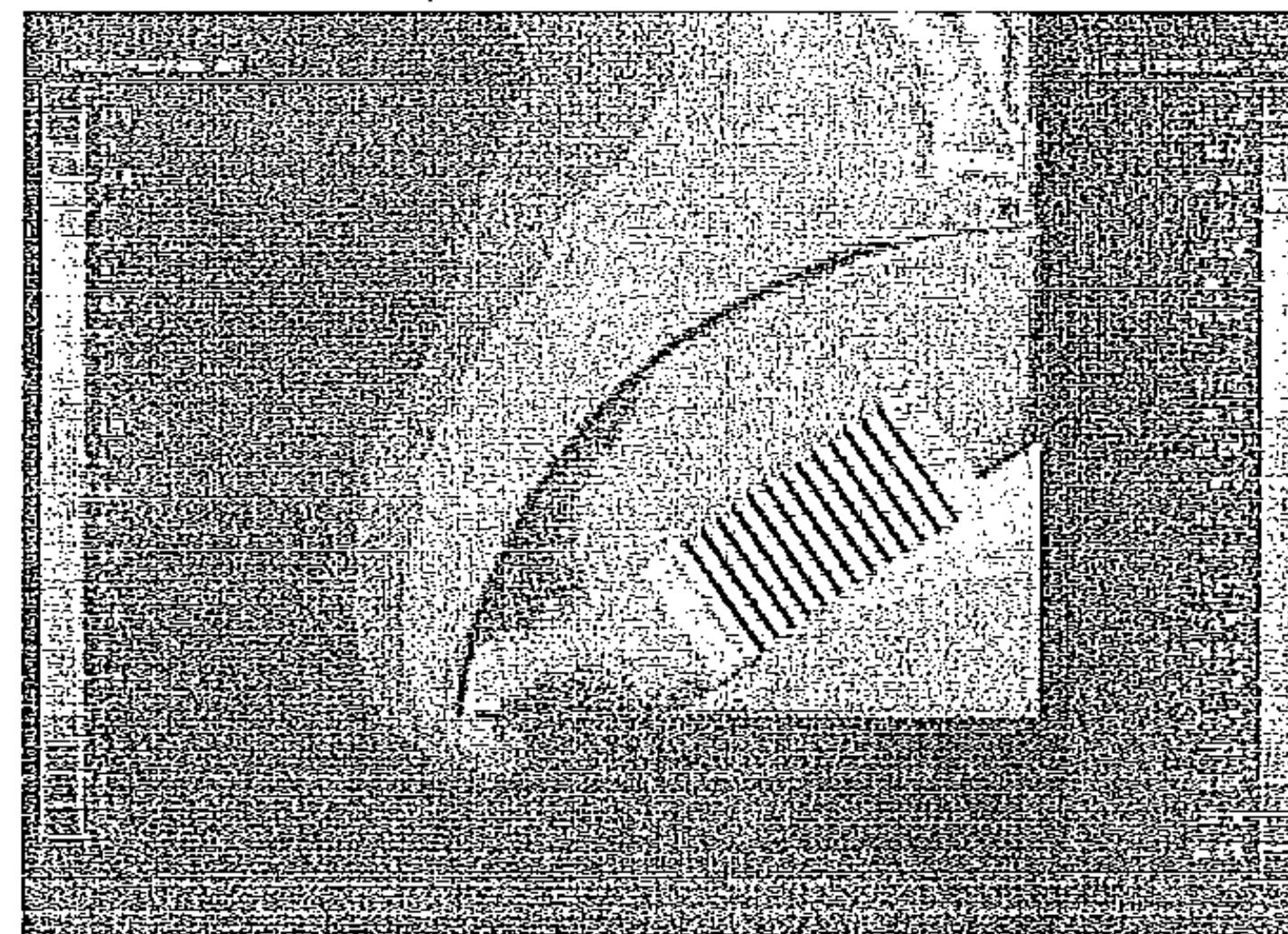


Better maintained thermal performance and lower Junction Temperature equals longer life and higher delivered lumen output for the LED

Electrical current that is not converted into light at the semiconductor junction turns into heat and results in increasing temperatures that reduce lumen output and LED life. Junction temperature is affected by the ambient temperature surrounding the LEDs, the thermal path junction through the heat sink, air flow through the unit and the outside ambient temperature.

LEDgend luminaires incorporate intricate heat sinking technology to provide air convection and conduction that keeps the LEDs and the driver cool to ensure longer life, higher delivered lumens and color consistency. An internal perforated cover prevents debris accumulation and facilitates flow-through ventilation to keep components cool.

Holophane LEDgend luminaires are designed for a minimum 80,000 hours of maintenance-free operation in a 40C ambient attaining 70 percent of the initial lumen output (350mA only). Longer life is attained when the fixtures operate at lower ambient temperatures of 15°C to 25°C.



Thermal "venturi effect" optimizes heat transfer