KAWNEER

A Versatile Solution that Enhances Energy Savings and Maximizes Natural Lighting, Aesthetics and Value

Kawneer has rewritten the energy saving value equation for its architectural light shelf by using minimalist design principles. The result is a flexible and versatile solution that helps reduce the need for artificial lighting and increase energy savings in a building. At the core of their functionality, architectural light shelves are designed to reflect sunlight deeper into the interior of a building by "bouncing" natural light up to the ceiling and have been proven to reduce perimeter lighting requirements and enhance the occupant experience.

With superior aesthetics, enhanced performance and fabrication and assembly advantages, InLighten™ Interior Light Shelf is sure to impress.

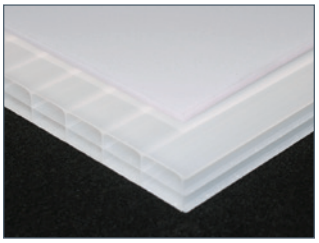
InLighten™ Interior Light Shelf leverages minimal material content, sightlines, weight, installation and maintenance efforts, all while maximizing value, daylighting and design options.

InLighten™ Interior Light Shelf features an extruded aluminum chassis system and offers several panel choices. The availability of depths of up to 30" (762 mm) allows you to maximize the overall reflective surface area. The light shelf also incorporates a tilt feature for easy cleaning of the top reflective panel surface.

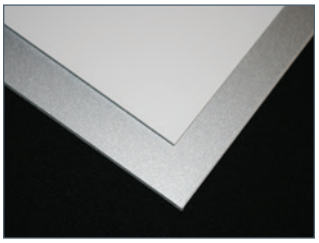
The ability to attach InLighten™ Interior Light Shelf to multiple Kawneer curtain wall and storefront framing systems makes it a perfect candidate for either new or retrofit projects.

AESTHETICS

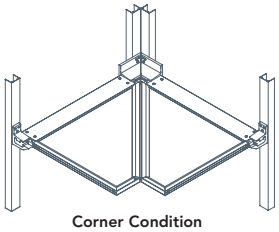
Since light shelves are used to reduce artificial lighting requirements and also balance the light profile within the building space, translucent polycarbonate panels are a standard offering in addition to traditional opaque aluminum composite material (ACM) panels like Reynobond® panels.



Translucent Polycarbonate Panels



Aluminum Composite Material (ACM) Panels (Reynobond® ACM Panels shown)



Corner Condition

InLighten™ Interior Light Shelf's standardized corner design creates a seamless visual without sacrificing performance.

The ability to attach the minimal sightline light shelf to multiple Kawneer curtain wall systems (e.g., 1600 Wall System™ Curtain Wall products) and storefront framing systems (e.g., Trifab™ Framing System products) makes it a perfect candidate for either new or retrofit projects.

InLighten™ Interior Light Shelf has been designed so it does not interfere with the installation or operation of typical window treatments.

FUNCTIONALITY AND PERFORMANCE

Keeping a clean, reflective top surface is paramount to the performance of architectural light shelves. InLighten™ Interior Light Shelf's design makes access to the top panel surface easy by incorporating a mounting bracket that allows the panel to be effortlessly tilted for care and cleaning.

System depths of up to 30" (762 mm) allow you to maximize the overall reflective surface area.

To ensure strength and safety needs are met, InLighten™ Interior Light Shelf was designed using advanced finite element analysis (FEA) modeling techniques and physical testing.

FABRICATION AND ASSEMBLY

InLighten Interior Light Shelf's modular design and panel options provide several fabrication and assembly advantages.

The attachment bracket permits the panels to be assembled separately from anchor installation, which allows the panels to be fabricated and assembled in the shop. This can significantly reduce the time spent in the field prior to installation.

The bracket also simplifies site installation and hanging of the panels. Also, the lightweight polycarbonate panel option makes handling and lifting of the panel assemblies an even easier task.

By using a consistent approach of attaching InLighten™ Light Shelf to various Kawneer products, installers are able to quickly gain familiarity with the systems and installation practices.

SUSTAINABILITY

Architectural light shelves have become an integral part of the daylighting strategy for sustainable building design. Strategically placing InLighten™ Interior Light Shelf can allow for maximum daylighting and reflect natural light deeper into occupied spaces. Light shelves have been proven to reduce requirements for artificial perimeter lighting, thereby conserving electrical energy costs.

In addition to increased sun control and energy savings, InLighten™ Interior Light Shelf can help earn Leadership in Energy and Environmental Design (LEED®) credits in three categories: Materials & Resources – Recycled Content, Energy & Atmosphere – Optimize Energy Performance and Indoor Environmental Quality – Daylight and Views.

InLighten™ Inlighten Light Shelf panels can be effortlessly tilted for care and cleaning.

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