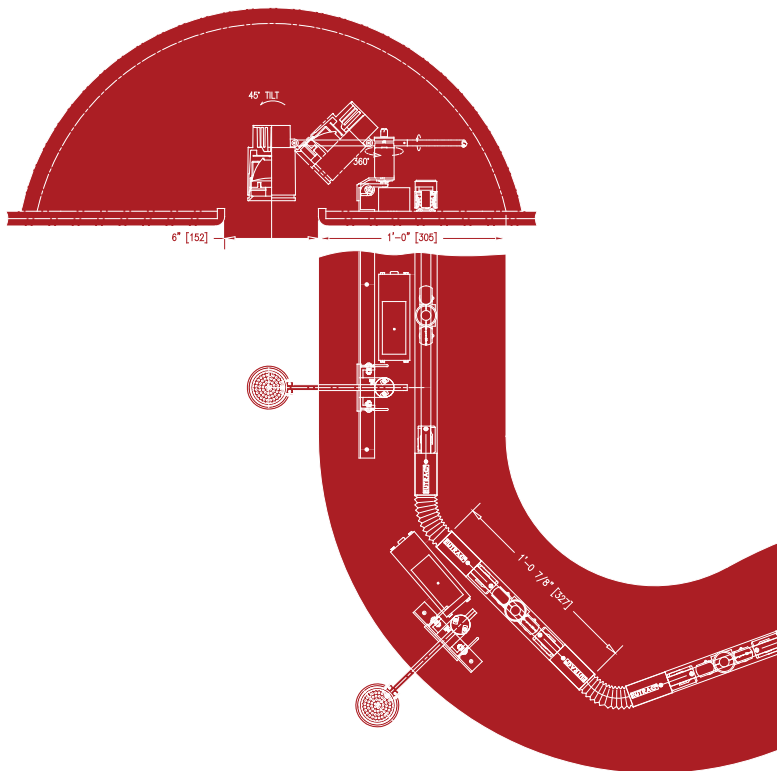


CUSTOM SOLUTIONS



COVE CONCEPT
FOR VIRGIN HOTELS

litelab

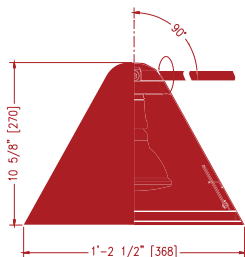
Litelab is a solutions-focused design and manufacturing corporation. More than 50% of our business is rooted in custom design, and much of our standard product originates as a custom solution.

We embrace the challenges of realizing the unique visions of the architects, lighting designers and clients with whom we work, and take pride in the products of our collaborations.

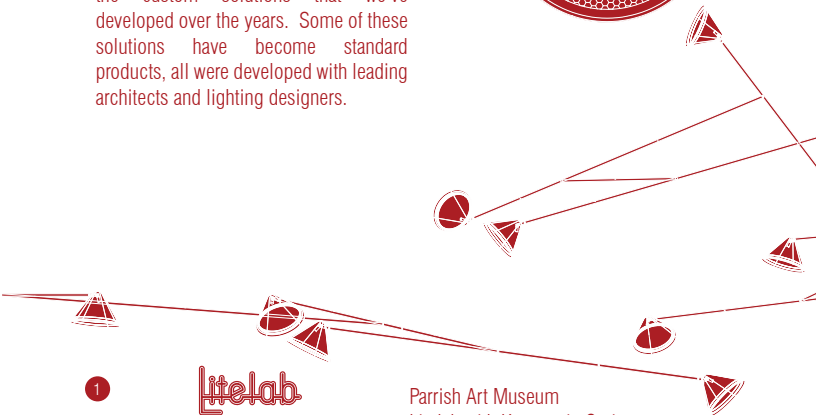
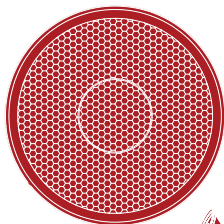
We find that these types of collaborations allow us to anticipate market trends in unique ways, and provide us with the opportunity to develop product informed by the values and goals of the community who specifies and uses it.

This short brochure presents just a few of the custom solutions that we've developed over the years. Some of these solutions have become standard products, all were developed with leading architects and lighting designers.

FIXTURE HEAD SIDE VIEW -



FIXTURE HEAD BOTTOM VIEW -



Litelab

Parrish Art Museum
Litelab with Konstantin Grcic
for Herzog & de Meuron



TECHSLOT



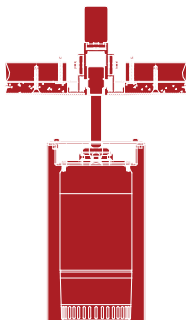
UNISTRUT BUSRUN



HVAC SUPPLY



EMERGENCY LIGHT



SECURITY CAMERA

TechSlot (MoMA NYC)

Litelab worked with Renfro Design Group, Tillotson Design Associates, Diller Scofidio + Renfro, Gensler and the curatorial and exhibition teams at MoMA for 5 years developing the lighting and services infrastructure for the Museum. The results include custom LED object and wallwash fixtures (our current standard C71 and C72), a custom BusRun (BUS40) and the TechSlot.

The TechSlot provides complete building systems integration, including power distribution for lighting, HVAC supply and return, emergency lighting and security, all in a .75" [19mm] wide visual opening.

The TechSlot provides maximum flexibility and performance, while maintaining a clean ceiling plane. The result is an effective design that gives the Museum all of the functionality that it requires in an aesthetically discrete envelope.



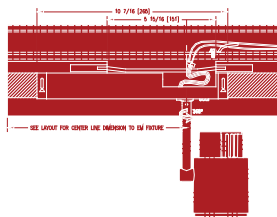
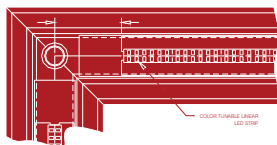
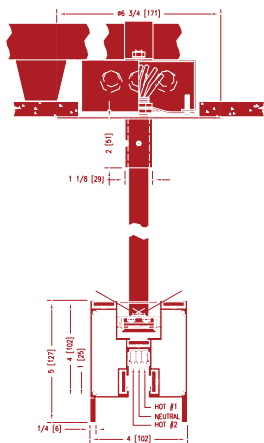
BUS40

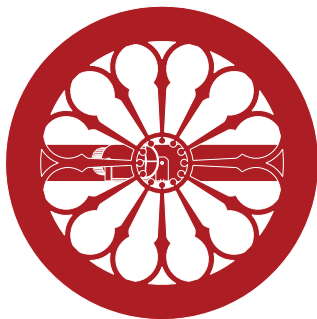
LiteRig (Metropolitan)

For the Metropolitan Museum of Art's British Galleries, Litelab developed a large LiteRig. The core extrusion, which measures 4" [102] x 5" [127] and has a 1" [25] reveal was designed to complement the aesthetic program of the interior design. The rigs dramatically frame exhibition spaces and create subtle spatial cues relating to the galleries below.

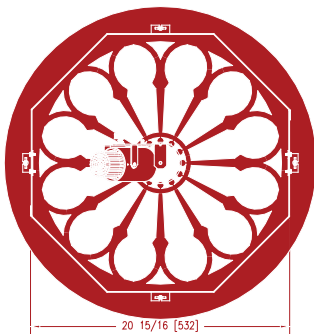
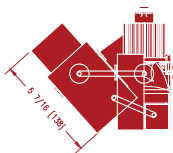
In addition to providing an aesthetic element in the interior design scheme, the rigs include 2-circuit BusRun for power distribution to fixtures, and a color-tunable LED uplight. A unistrut channel is also provided so that the museum can support art or other artifacts from the bottom of the rigs as needed. Emergency lighting is run through the rig as well, reducing ceiling clutter.

The robust nature of the rig provides for few hang-points, which was critical due to historical preservation restrictions. The rigs are the center-piece of a dynamic and dramatic lighting scheme.





FIXTURE DETAIL



The Rosette

The Massachusetts State House in Boston dates back to 1798. In addition to the large central dome that graces the building, the main hall includes an ornate coffered ceiling with a grid of glowing rosettes. These rosettes are both decorative and functional, providing light to the main floor.

In 2019, the rosettes were replaced with LED fixtures. Litelab's approach to replacing these fixtures was two-fold.

First, Litelab used light-weight aluminum to replicate the aesthetic of the original fixtures, and designed a recessed luminaire to work within the decorative rosette.

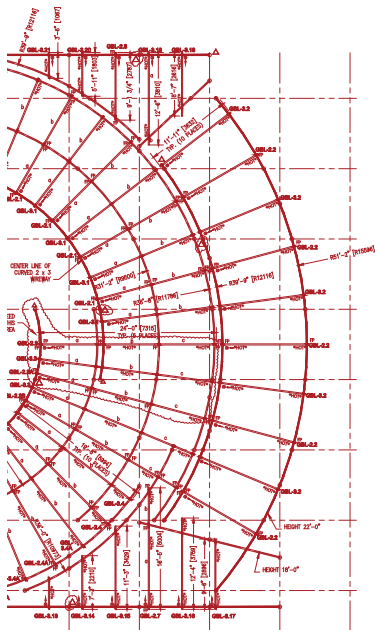
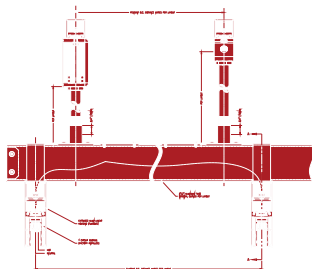
Secondarily, Litelab developed a high lumen output fixture with a small form factor to ensure maximum adjustability. A double-hinged articulating yoke maintains focus through the aperture regardless of aiming angles.

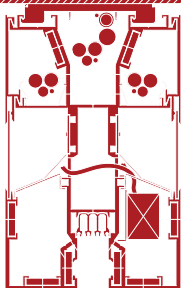
StarBurst

The central feature at the George W. Bush Presidential Library is a large section of the World Trade Center. Not only does it function as the focal point of the library, but it symbolizes the single most defining event of President Bush's administration, if not American social and political identity in the 21st century.

To light this artifact, Litelab developed a large swooping StarBurst comprised of concentric and intersecting arcs. The arcs dramatically frame the artifact, and provide wayfinding to adjacent exhibitions about the President's administration and this unique and defining moment in American history.

The challenge of this design was providing the arcs, which are comprised of finely mitered sections, as well as continuous power to each arc from a suspended wireway grid. In the end, the design complemented the exhibition strategy, while providing an elegant, functional addition to the space.

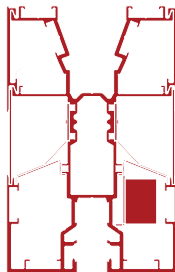
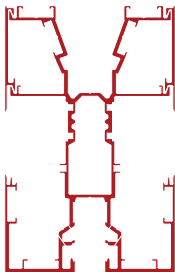
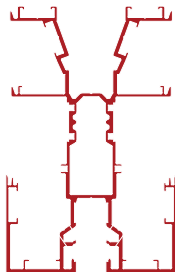




LiteBeam – MoMA Warsaw

Developed to mount into a coffered concrete ceiling, the LiteBeam has provisions for two side-mounted LED strips for asymmetrical wallwashing, power distribution, HVAC integration and building information systems, including data, security and emergency provisions.

Designed for maximum flexibility the LiteBeam features removeable access panels for integration into a variety of building systems. The extrusion has suitable space for a variety of power supplies and control protocols, including Dali, DMX and 0-10 volt dimming, as well as wireless reception.

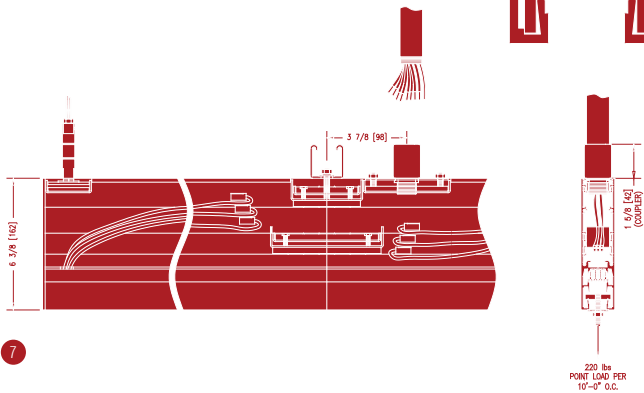


MIT Smart Baffle

The MIT Museum makes extensive use of a baffle ceiling detail. To match the aesthetic of these ceilings, Litelab developed a custom extrusion. The overall dimensions of the system match the baffle ceiling detail, rendering the extrusion imperceptible in the overall ceiling scheme.

The exaggerated height and increased wall depth of the extrusion allow the system to hold up to 220 lbs point load, and provide ample space for additional power, data and fiber-optic cable.

The result is the seamless integration of power distribution, lighting, structural support and data within the architectural aesthetic of the gallery space.

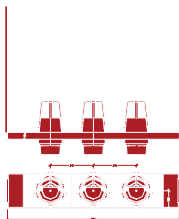
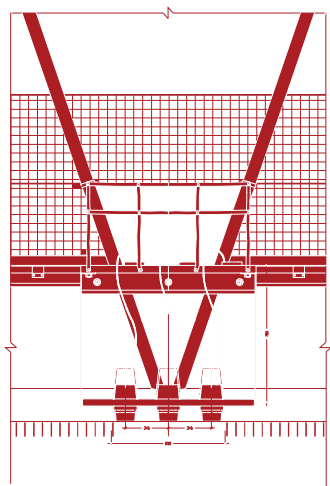


Sainsbury Center

Designed by Foster + Partners, the Sainsbury Center represents a radical reinvention of museum architecture. At 135 meters in length, the museum is a lattice steel double shell structure glazed on both ends. Distinctive for its scale, the openness of its design and the management of exhibition and service spaces, the Sainsbury Center openly embraces an industrial, functional aesthetic.

The Center was expanded in 1988, during which time Litelab developed a series of fixtures for the expansion. The design requires very high output fixtures due to the height of the space. Lamps need to be loaded from behind, due to the position of the fixtures in relation to service catwalks. The fixtures also need to remain locked in focus during re-lamping.

Litelab developed a fixture that fulfills all of these design criteria, while maintaining the stringent and elegant detailing that defines the overall sensibility of the architecture.

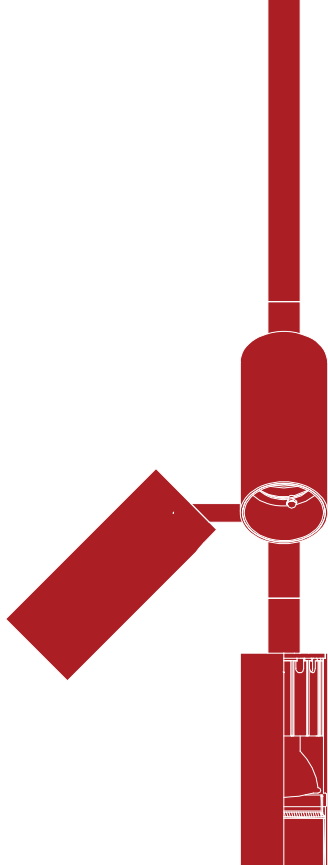


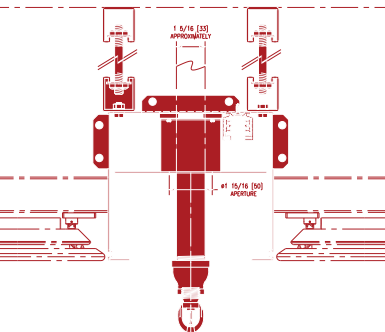
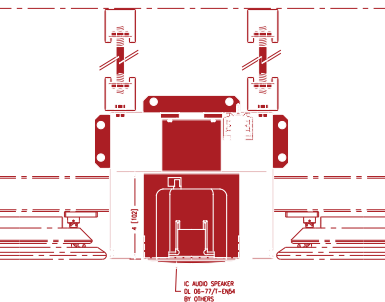
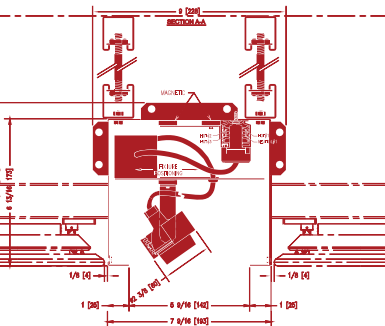
SoHo LiteTree

There has always been a narrow separation between high design and art. Prestigious brands, whose designs frequently blur the distinction between the two, are increasingly using styles of lighting deployed in museum and gallery contexts to exhibit both art and retail merchandise. It was this ethos that gave birth to the SoHo LiteTree.

Developed for a high-end retail flagship store in New York's SoHo neighborhood, the LiteTree provides museum quality object lighting in a decorative chandelier that also provides a wide array of aiming angles and focusing options. The fixture is mounted in a decorative tin-ceiling, and Litelab developed a mounting method that coordinates with the ceiling tile system.

Designed to complement the contemporary art sensibility of the store, which includes wall-to-ceiling graphics and unique sculptural artifacts, the LiteTree is as functional as it is aesthetically engaging.





The Shard

Litelab developed a slot with complete building system integration for London's Shard skyscraper designed by Renzo Piano. With a 5 9/16" [142] aperture, this slot includes provisions for power, lighting, audio, security, data, emergency detection and fire suppression systems. Services are fully integrated into a custom panel ceiling that includes face-plates and other provisions to reduce the visual impact of sprinklers, fire detectors, speakers and cameras.

Like the other solutions in this brochure, the Shard system is emblematic of the ways in which Litelab coordinates with lighting designers and architects to develop custom solutions that meet the aesthetic and performance requirements of their designs. In this regard, we consider ourselves facilitators, implementing and informing the visions of those with whom we work. We are proud of this heritage of collaboration and embrace the opportunity to continue this tradition.

Visit our new website at: www.litelab.com

Follow us on Instagram at:

<https://www.instagram.com/litelabcorp/>

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