



Hulbert Aquatic Center | Photo Credit: F-M Convention & Visitors Bureau

**SPI**LIGHTING

# Lightruss LED

High-Performance Perimeter  
Indirect Lighting







# INDIRECT LIGHTING

## THE BEST WAY TO LIGHT A POOL

When choosing lighting for a natatorium, safety is paramount. There are two basic lighting choices: direct or indirect.

**Direct lighting** poses an inherent risk by creating blind spots on the water. It creates individual points of intense reflected light, or glare points. These glare points can obstruct views under the water, posing a safety hazard. They can also make viewing of the water surface strenuous for both life-safety personnel and spectators of aquatic events.

**Indirect lighting**—when done well—evenly illuminates the ceiling, turning the entire ceiling into a smooth and comfortable source of brightness. There are no longer any individual points of brightness visible, and uncomfortable glare is eliminated on the reflected angles. Neither from the ground level, or the water, is there noticeable light reflected off the ceiling. The source of brightness that illuminates the space is effectively the entire illuminated ceiling. Indirect lighting reduces the contrast reflections on the pool—reducing surface glare and improving visibility. Not only can lifeguards see better, but spectators and swimmers can, too.



# LIGHTRUSS LED

SPI Lighting revolutionized how to indirectly light natatoriums when it introduced Lightruss three decades ago. Today, it remains one of the best ways to illuminate open spaces.

## WHAT IS IT?

Lightruss LED combines a suspended modular truss support system and performance lighting modules to deliver illumination for a wide variety of applications.

Integrated state-of-the-art LED technology has modernized product offerings, which now feature efficacy over 100 lumens per watt delivered and max output topping 80,000 lumens per fixture.

## A UNIFIED, ORGANIZED SYSTEM

St. Augustine Preparatory Academy

Lightruss LED neatly contains all wiring and seamlessly blends into your space. Durable and securely-housed high-powered LED units can deliver over 80,000 lumens per fixture. The system eliminates nearly all individual powerdrops and out-of-system circuiting, which greatly simplifies assembly and wiring. It also eliminates the need for multiple junction boxes and stems, greatly reducing time and costs during installation.





# ON THE PERIMETER

Designed to light from the perimeter,  
Lightruss LED eliminates fixtures over pools,  
improving safety and simplifying maintenance.

## EASY TO SPECIFY

*See an interactive example of a Lightruss LED layout at [bit.ly/LEDlayout](http://bit.ly/LEDlayout)*

Each system is specified to your job requirements. Our experienced applications team will provide design assistance throughout the entire process along with a full set of construction documents which features:

**Actual drawing:** A complete layout of the system overlaid on an actual customer drawing of the space

**Full system Bill of Materials:** A complete list of included components

**Dimensions:** Detailed system dimensions are provided to aid in installation

**Section head detail:** Specification submittals for individual section heads

**Mounting details:** Guidance on how to mount section heads

**Suspension details:** Instructions are provided on how to suspend the system

**Component labeling:** Each package and component is keyed to the installation drawings so all sections are easily identified at the job site

**System wiring:** Wiring is designed by SPI Lighting's applications team to fit circuit loads, and system components are pre-wired with quick connects at the factory. Electricians simply plug and play.



# DESIGNED FOR HIGHLY-FINISHED CEILINGS

The standard top lens corrects for color-over-angle discoloration, meaning that Lightruss LED always delivers a clean, white beam.

This is especially beneficial in spaces with white or highly-finished ceilings common in indirect applications.

## IMPRESSIVE PERFORMANCE

Up to 106 lumens/watt delivered with color-over-angle correction lens.

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### Standard products

Model Number	Length	LED Wattage	Delivered Lumens
Round Units			
LLA12051	24 in	L254W L380W	26,856 40,284
LLA12049	48 in	L507W L634W L761W	53,712 67,140 80,568
Triangular Units			
LLB12022	24 in	L254W L380W	26,856 40,284
LLB12021	48 in	L507W L634W L761W	53,712 67,140 80,568



# SPI LIGHTING IS AN EXPERT IN NATATORIUM LIGHTING

We have designed fixtures to safely illuminate Olympic, competition, school, and community pools for more than 30 years.

Lightruss LED is specially constructed to protect it from the humidity and corrosive chemical vapors found in pools and features:

- Aluminum construction (lightweight and rust-proof)
- 2 mils powder coat paint to prevent corrosion
- Corrosion-resistant stainless steel fasteners
- IP68 rated LED light engines are protected against the effects of continuous immersion in water
- Fully-potted integral power supplies are sealed with epoxy to protect internal components



## NATATORIUM RATED

## GET STARTED

For a complimentary lighting layout, contact our applications team at [SPIteam@SPILighting.com](mailto:SPIteam@SPILighting.com).

An experienced application engineer will work with your design team to obtain the illumination and space parameters needed to begin the system design. A complete set of documentation will be provided for inclusion in your bid.