

Lightruss

Modular Lighting Systems

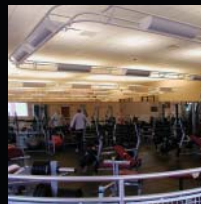


Lightruss®

EXPERIENCE MATTERS

Nearly 30 years of applications experience.

Lightruss systems illuminate over 900 facilities across North America. In addition to being a unique, performance level lighting system, Lightruss' standard features help save roughly 25 to 30 percent in installation time and money when compared to independently hung fixtures. Let our team of experts create the ultimate lighting system for your application.



Lightruss®

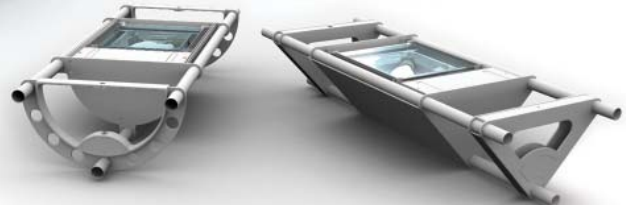
INDIRECT/DIRECT

HID, fluorescent and quartz



Available in two series

Lightruss HID, Fluorescent and Quartz is available in two series – round and triangle. Pick either series to have SPI create a unique, customized lighting system for your space.



LAA Size 1
LAB Size 2

LBA Size 1
LBB Size 2

Why choose Lightruss?

Custom tailored to your specific job requirements, Lightruss can turn corners, change elevation, provide indirect lighting, invert for direct lighting and be finished to make a statement or blend into a space. Using optical systems, lamping options and spacing criteria, our dedicated team designs each Lightruss to suit the projects specific needs and inspects each system before shipment. Whether you need IES recommended light levels for a recreational water park atmosphere or for digital TV sports coverage, Lightruss can deliver. Precision merchandising requires increased visibility and attraction. Lightruss systems can create that distinct look, as well as deliver the footcandles needed to achieve showroom quality illumination.

• Easy Installation Saves Time and Money

- Fewer power drops
- Hi-pot and continuity tested at factory
- Pre-assembled
- Pre-wired
- Integrally mounted ballast / Power Trays™

• Application and Design Support

- Full engineering support from our Lightruss team

• Add Architectural Interest

- Create your own custom shape and layout
- Add color

• Customization

- Light challenging spaces with unique layouts
- Supports mounted audio equipment and accessories

• Sizes Appropriate for Any Space

- Size 1 and 2
- Wide HID, fluorescent and quartz lamping ranges

• Durable Construction

- Finishes
- Durable powder coat finish

• Optical Control

- Multiple optical distributions
- Direct and indirect lighting combinations

• Emergency

• Dimming

• Shielding Options

Lightruss®

LCA AND LDA
Fluorescent

2

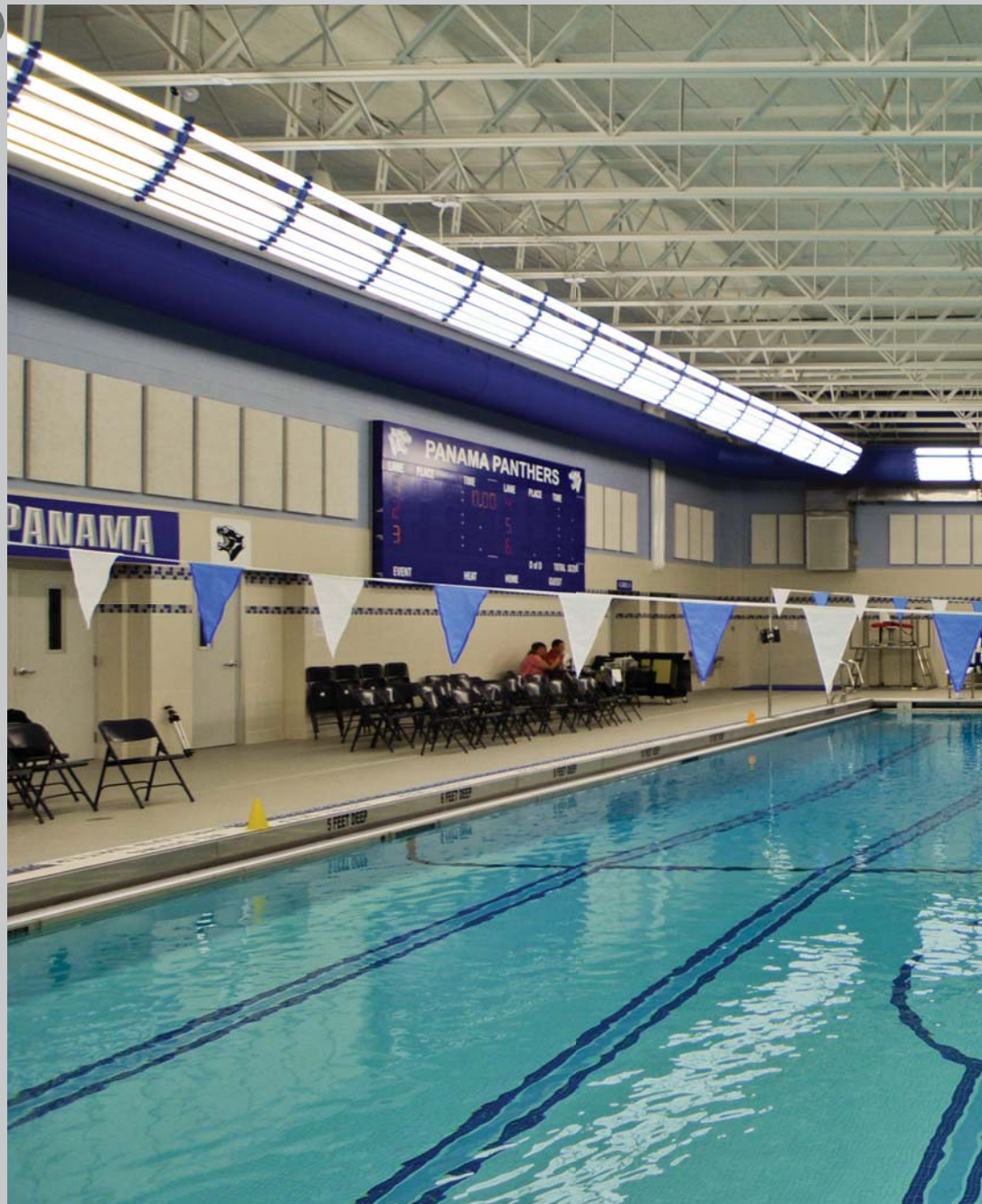
- 1 Extension of the Lightruss offering
- 2 Fluorescent lighting for large spaces
- 3 Significant Energy Savings
- 4 Multiple Optical Distributions
- 5 Continuous or interrupted runs

1 SPI has been the leader in indirect pool and large scale lighting applications for nearly 30 years. The Lightruss system, with its ease of installation, is designed by our knowledgeable lightruss team to be a perfect fit for your space. The team takes care of every aspect of the request.

We developed our Fluorescent Lightruss system to meet the growing need for energy efficient fixtures that can provide direct lighting solutions for pool applications. By grouping six or twelve lamps into a single module, we provide a block of light versus a point source. This provides excellent light levels with very high uniformity that minimizes possible glare in the space.

The modules can be placed in a continuous row to maximize output, or be configured with breaks in between modules (interrupted runs) to achieve desired light levels.

Letting the installer decide where to place the power drops, and minimizing the mounting points helps keep installation costs down.



Product Details

- **Available in two styles**
 - LCA (6 lamp directional)
 - LDA (4 lamp indirect/2 lamp direct)
- **Module lengths**
 - 4 or 8 foot modules standard



LCA

LDA

- **Finishes**
 - Durable powder coat finish
 - Anodized extrusions
- **Lamping**
 - T5 and T5HO
 - Safety Lamp Option
- **Mounting**
 - Stem
 - Aircraft Cable
- **Optical Control**
 - Three optical distributions available
 - Direct and indirect lighting combinations
 - The optic can be rotated in the field in 30° increments
- **Controls**
 - Three Way Switching
 - Daylight Sensing
 - Occupancy Sensing
- **Emergency**
 - Emergency available
- **Installation Advantages**
 - Installer decides power drop placement
 - Mounting clips allow modules to be adjustable in the field
- **Customization**
 - Standard 90° corner pieces allow the creation of unique layout shapes

5 Continuous Run

3

Energy Savings

A typical pool lit with Fluorescent Lightruss provides significant energy savings.

Typical Layout

Pool layout using traditional indirect HID Lighting.

14 (1000W MH) 14*1070W = 14,980W
 \$0.11 12 Hrs a day 365 days = \$7,217

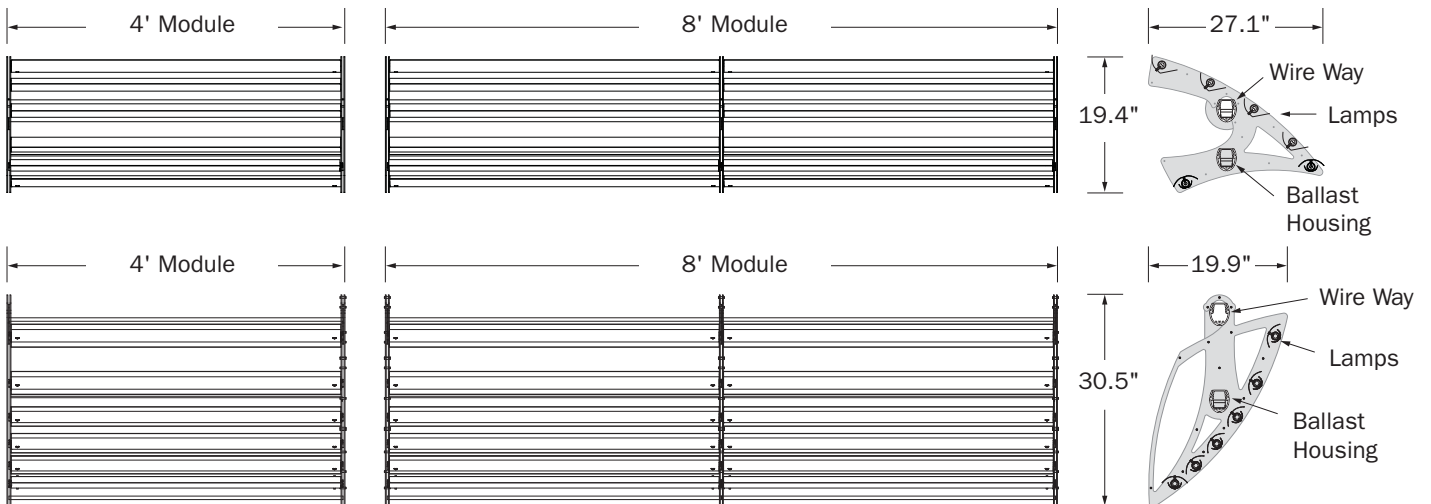
Fluorescent Lightruss Layout

With new energy efficient fluorescent lights, maintaining the same light levels.

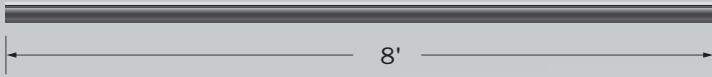
24 (6F54W FL) 24*354 = 8,496W
 \$0.11 12 Hrs a day 365 days = \$4,093

Savings \$3,124 (43%)

Dimensions



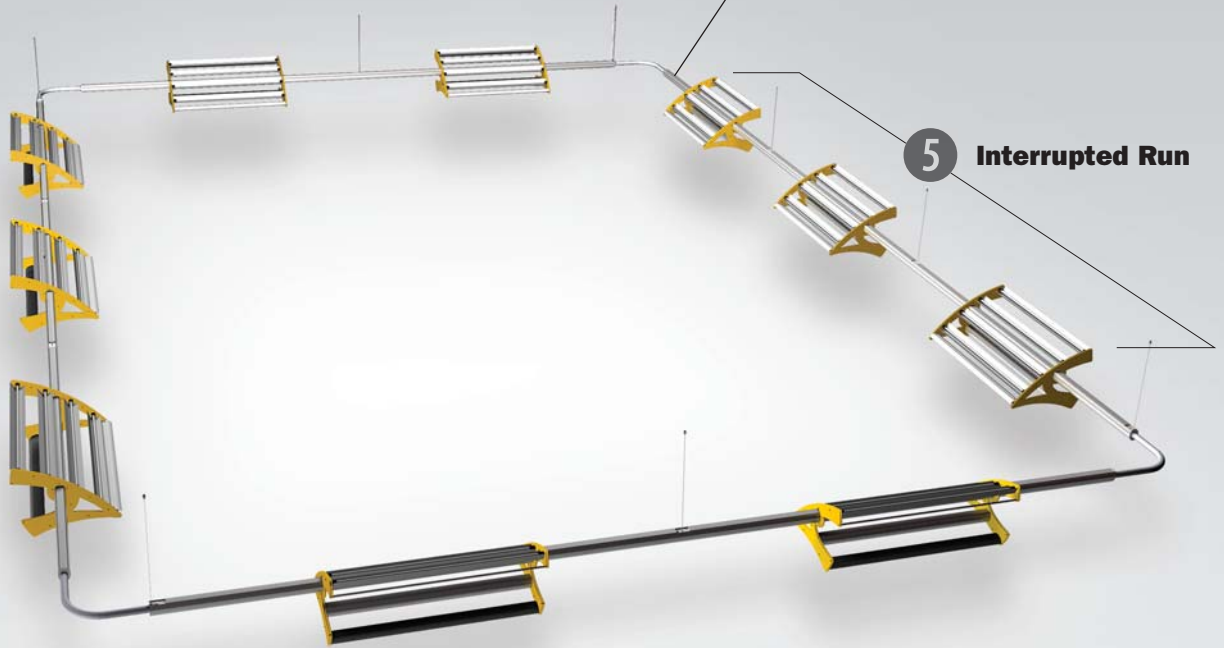
Step 1 Hang suspension system/wireway



The Lightruss Fluorescent suspension is created from 8 or 16 foot (both standard) sections of extruded aluminum. This interconnected system also serves as the wireway.



Wireway



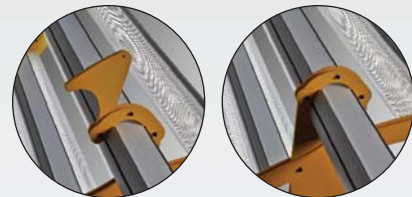
5 Interrupted Run

Step 2 Hang and adjust the modules



The ability to slide the individual modules along the wireway allows for quick and easy field adjustments.

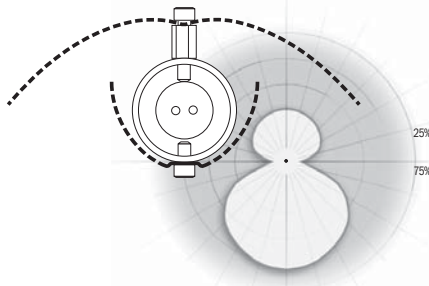
Step 3 Lock the modules in place



The unique design of the locking mechanism makes adjustments possible.

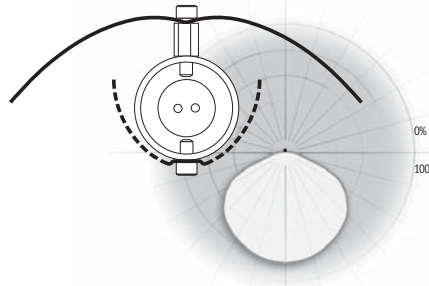
4 Optics

DI (Direct/Indirect)
Symmetric Perforated Shields



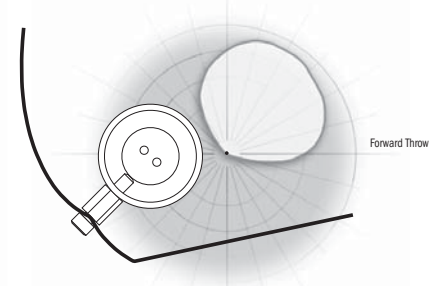
- 86.3% efficiency
- 33% open perforated top shield
- 40% open perforated bottom shield
- This shielding provides excellent uniformity

DR (100% Directional)
Symmetric Solid Shield



- 82.4% efficiency
- 40% open perforated bottom shield
- 100% downlight with a perforated shield to reduce lamp image
- Great for dark or high ceilings

FT (Forward Throw)
Asymmetric Reflector



- 94.9% efficiency
- Asymmetric distribution increases the coverage
- The optic can be rotated in the field in 30° increments
- Helps prevent direct viewing of lamp source